GE
Lighting

Lamp product catalogue 2012/13

SPECTRUM



GE imagination at work

www.gelighting.com

GE
Lighting

Spectrum

Lamp product catalogue 2012/13



GE imagination at work

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted by law.

All lamp drawings are a guide, if further technical details are required please contact your nearest sales office.

General conditions of sale
GE Lighting products are supplied according to GE's General Conditions of Sale. If you require a copy of these conditions please contact your nearest GE Lighting sales office.

Prices
A price list is available from all GE Lighting sales offices.

www.gelighting.com/eu

and General Electric are both registered trademarks of the General Electric Company

Contents

Introduction	
LED Solutions	I.
High Intensity Discharge Lamps	II.
Linear Fluorescent Lamps	III.
Compact Fluorescent Lamps Non-Integrated	IV.
Compact Fluorescent Lamps Integrated	V.
Halogen Lamps	VI.
Entertainment	VII.
Speciality	VIII.
Horticulture	IX.
Incandescent	X.
Cap Drawings	XI.
Glossary	XII.
Sales Offices	XIII.

GE works on things that matter

Every single day, all around the world, GE is helping its customers find solutions to the toughest environmental challenges.

As such, at GE Lighting we have long pioneered advanced lighting technologies with a knowledge and technical expertise that spans more than 100 years providing a foundation for future innovation.

With lighting accounting for 20% of our global energy demand, mounting legislation and environmental pressures - now more than ever this heritage and capability is absolutely crucial.

GE Lighting continues to bring new technologies to the market to meet the global demands for high quality and low energy lighting.



LED Innovation *for a sustainable future*



Never before in its 118 year history has the craftsmanship of City of London's iconic Tower Bridge been so beautifully revealed as it is today, thanks to more than 2.5 km of flexible, architectural LED lighting provided by GE Lighting.

gelighting.com/eu

WORLDWIDE PARTNER

As a Worldwide Partner of the Olympic Games, GE is the exclusive provider of a wide range of innovative products and services that are integral to the successful Games.

LED Lamp Solutions



LED's you can trust

More than 15 years	of experience in manufacturing and selling high quality LED solutions
Up to 90%	energy savings compared to conventional lamps
Up to 50,000 hours	of light with our R63 lamps
Reduced	maintenance and related costs
Outstanding	lumen performance and lumen/watt efficiency.
Low UV and IR	(ultraviolet and infrared)

- Home
- Office
- Hospitality
- Retail



Omni-directional GLS Lamp



GE's LED retrofit lamps offer a great opportunity to replace incandescent, compact fluorescent or halogen lamps with an LED 2700K Extra Warm White, 270 degree beam angle product for general lighting. GE LEDs are very economical and environmentally friendly: they are mercury free, use far less energy than halogen or incandescent lights, and last longer.

They fit into everyday light fittings and the light comes on the instant you click the switch.

GE's omni-directional lamp enables a 270 degree light distribution unlike traditional LED lamps thus making it an ideal choice for general lighting applications such as table lamps.



- **7.5W & 12W replacements for 40W and 60W**
- **270° omni-directional beam**
- **2700 Kelvin Colour Temperature**
- **E27 and B22 cap types**



6W Energy Smart™ GU10 Dimmable Lamp

The new generation of dimmable GU10 lamps provide market leading efficiency and lumen performance providing a true replacement for GU10 halogens. The range offers 50W equivalent lamps between 320-360lm, all with a long life of 25,000 hours (L70/B10). The new dimmable GU10 lamps are suitable for both domestic and commercial applications.





- **Multiple colour temperatures (3000K)**
- **Reduces ongoing maintenance costs**
- **Suitable for track and recessed lighting**
- **Outstanding performance up to 60lm/W efficiency for 6W lamp**





7W 12V Energy Smart™ MR16 Dimmable Lamp

The 7W MR16 range has been developed to replace 35W & 50W equivalent MR16 halogen lamps and offers a high level of technical performance in the form of a halogen shaped LED lamp. Simple to change, it offers an outstanding lumen package that ensures a relatively short payback period.





- **Multiple colour temperatures (2700-3000K)**
- **Reduces ongoing maintenance costs**
- **Suitable for track and recessed lighting**
- **Outstanding performance up to 56lm/W efficiency for 7W lamp**





Decor Candle, Spherical and Globe Lamps

Create a mood and save energy with Decor LED's.

GE's Decor LED range offers decorative looking bulbs that can fit into all existing fixtures with E14, E27 and B22 sockets.

The incandescent-like spherical, candle and globe shapes also come in clear and frosted finishes, offering effective replacement light output and excellent value for money. The range also offers a very broad coverage of market requirements, as well as dimming to add an extra dimension to a superb product range.



- **17,000 hours life**
- **Lasts up to 17 times longer than similar decorative HAL/INC lamps**
- **Mercury free**
- **Up to 250 lumens**
- **Clear and frosted types**
- **2700K**
- **100% retrofit**

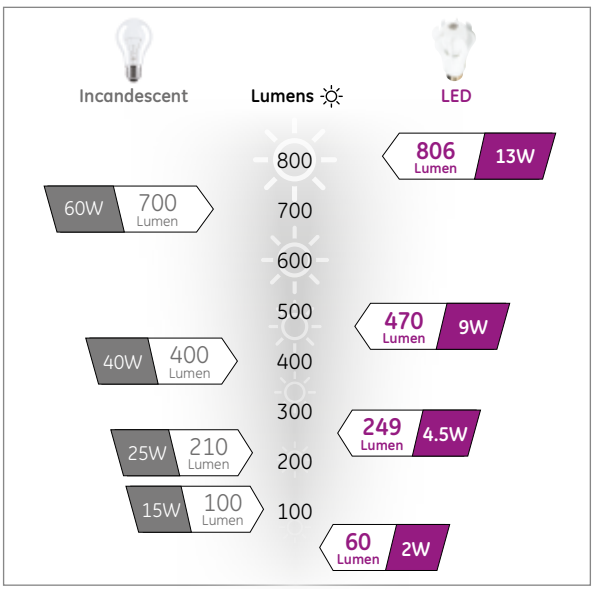




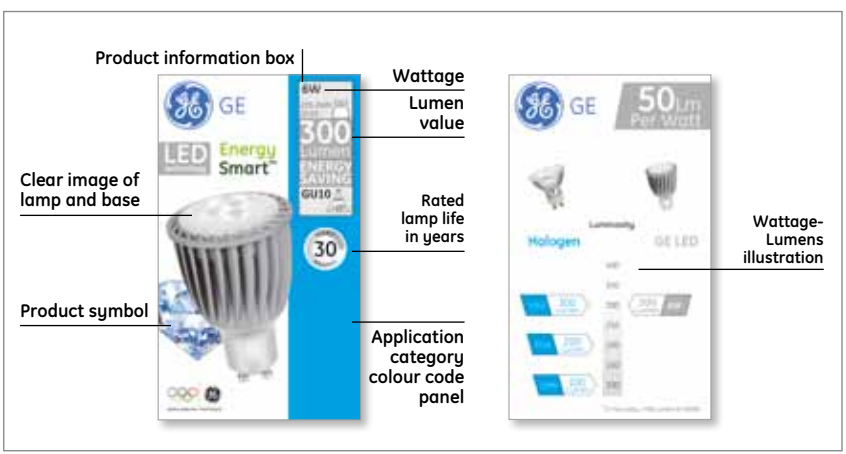
Switching from Watts to Lumens

Traditional light bulbs are being phased out and modern light technologies use different amounts of power to achieve the same amount of light. Instead of referring to watts anymore, we now need to measure and compare light in terms of lumens.

Our LEDs can be used everywhere, from general to mood lighting and spotlighting. To assist in selecting the appropriate LED replacement for your existing Incandescent or Halogen bulb, GE packaging shows relevant product lumens compared to the old wattages.



Quick guide to GE Lighting packaging



LED Solutions

LED Energy Smart™ Directional



GU10 Dimmable

Cap:	GU10
Wattage:	4.5-6.5W
Voltage:	220-240V
Beam Spread:	25-35°
Rated life:	25,000Hrs

Page I.10



MR16 Dimmable

Cap:	GU5.3
Wattage:	7W
Voltage:	12V
Beam Spread:	15-35 °
Rated life:	25,000Hrs

Page I.10



MR16

Cap:	GU5.3
Wattage:	4-6.5W
Voltage:	12V
Beam Spread:	15-36 °
Rated life:	25,000Hrs

Page I.11



PAR30 Dimmable

Cap:	E27
Wattage:	10W
Voltage:	220-240V
Beam Spread:	20-35°
Rated life:	50,000Hrs

Page I.11



R50, R63 Dimmable

Cap:	E14, E27
Wattage:	5-7W
Voltage:	220-240V
Beam Spread:	20-35°
Rated life:	25,000-50,000Hrs

Page I.11

LED Decor Directional



PAR 16

Cap:	E14
Wattage:	1W
Voltage:	220-240V
Rated life:	12,000Hrs

I.11



GU10

Cap	GU10
Wattage	1-2W
Voltage:	220-240V
Rated life:	12,000Hrs

Page I.11



MR16

Cap	GU5.3
Wattage:	1W
Voltage:	12V
Rated life:	12,000

Page I.11



R50

Cap:	E14
Wattage:	2W
Voltage:	220-240V
Rated life:	12,000

Page I.11

Selector

LED Energy Smart™ GLS, Candle, Spherical



GLS

Cap: E27, B22
Wattage: 5-12W
Voltage: 220-240V
Rated life: 15,000 - 25,000 Hrs

Page I.12



Candle Dimmable

Cap: E27, B22, E14
Wattage: 4.5W
Voltage: 220-240V
Rated life: 20,000Hrs

Page I.12



Spherical Dimmable

Cap: E27, B22, E14
Wattage: 4.5W
Voltage: 220-240V
Rated life: 20,000Hrs

Page I.12

LED Energy Smart™ Globe



Globe Dimmable

Cap: E27, B22
Wattage: 4.5W
Voltage: 220-240V
Rated life: 20,000Hrs

Page I.12

LED Decor Candle, Spherical



Candle Dimmable

Cap: E14, B15, B22
Wattage: 4W
Voltage: 230-240V
Rated life: 15,000Hrs

Page I.13



Candle

Cap: E14, B15, B22
Wattage: 1.2W
Voltage: 230-240V
Rated life: 15,000Hrs

Page I.13



Spherical Dimmable

Cap: E14, E27, B22
Wattage: 4W
Voltage: 230-240V
Rated life: 15,000

Page I.13



Spherical

Cap: E14, E27, B22
Wattage 1.2W
Voltage: 230-240V
Rated life: 15,000

Page I.13

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. LED lamp and system life is expressed as L70 – the point in time when light output has fallen to 70% of its initial value.

Additional parameters:

Forward Voltage (Vf) Typical [V]: Typical voltage drop across the LED when driven at 350mA. Value will vary at different drive currents.
Track Angle: LED Cove is available with 3 mounting options, at 0, 15 and 30 degrees to the horizontal surface.

Watts: Energy Used – Nominal Watts. To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000

Volts: Lamp data is based on operation at rated voltage

Cap: The type of cap fitted. See page 148-149 for cap drawings

Product description: The lamp's identification code

Product code: It is important to use this code when ordering to ensure that you receive the exact product you require

CCT [K]: Colour Temperature – Kelvins A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value the whiter or "cooler" the light appears

Life [L70, h]: LED lamp and system life is expressed as L70 – the point in time when light output has fallen to 70% of its initial value

Length: Lamp length in mm

LED Decor Range - Candle

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
1.2	230-240	E14	LED1.2/B35/830/230-240V/E14/F/HBX1/6	97299	60	3000	80	15,000	39	104	1/6
1.2	230-240	B22	LED1.2/B35/830/230-240V/B22/F/HBX1/6	97300	60	3000	80	15,000	39	102.5	1/6
1.2	230-240	B15	LED1.2/B35/830/230-240V/B15/F/HBX1/6	97301	60	3000	80	15,000	39	102.5	1/6

LED 1.2 / B35 / 8 30 / 230-240V / E14 / F / HBX 1/6

(LED) Identifies lamp as LED lamp

(1.2) Identifies Lamp's wattage

(B35) Identifies the lamp family

(8) Colour rendering
6 - Ra 58 to 67 (Group 2B)
7 - Ra 68 to 77 (Group 2A)
8 - Ra 78 to 87 (Group 1B)
9 - Ra 88 to 97 (Group 1A)

(30) Colour temperature XX = First 2 digits of temperature in Kelvin - XX00K Example: 30 is 3000K

(230-240V) Volts: Lamp data is based on operation at rated voltage

(E14) Identifies the cap type

(F) Identifies the finish of the lamp

(HBX) Identifies product type

(1/6) Pack quantity: Number of product units packed in a case

Lumens: Initial Lumens - light output at 100 hours

CRI [Ra]: Colour Rendering Index An indication of the ability of the lamp to render object colours in a normal, natural way. The higher the number (0-100), the better the colour appearence

Diameter: Bulb diameter in mm

Pack quantity: Number of product units packed in a case

LED Energy Smart™ Range - GU10 dimmable

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Lumen [lm]	Beam Angle [°]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
4.5	220-240	GU10	**LED4.5D/GU10/827/220-240V/FL/BX 1/8**	**65775**	500	170	25	2700	80	25,000	50	58	1/8
4.5	220-240	GU10	**LED4.5D/GU10/830/220-240V/FL/BX 1/8**	**65777**	560	180	25	3000	80	25,000	50	58	1/8
4.5	220-240	GU10	**LED4.5D/GU10/840/220-240V/FL/BX 1/8**	**65780**	610	200	25	4000	80	25,000	50	58	1/8
4.5	220-240	GU10	**LED4.5D/GU10/827/220-240V/WFL/BX 1/8**	**97248**	400	170	35	2700	80	25,000	50	58	1/8
4.5	220-240	GU10	**LED4.5D/GU10/830/220-240V/WFL/BX 1/8**	**97266**	450	180	35	3000	80	25,000	50	58	1/8
4.5	220-240	GU10	**LED4.5D/GU10/840/220-240V/WFL/BX 1/8**	**97273**	500	200	35	4000	80	25,000	50	58	1/8
5	220-240	GU10	**LED5D/GU10/827/220-240V/FL/BX**	**65249**	950	220	25	2700	80	25,000	50.7	56.5	1/8
5	220-240	GU10	**LED5D/GU10/827/220-240V/WFL/BX**	**65250**	600	220	35	2700	80	25,000	50.7	56.5	1/8
5	220-240	GU10	**LED5D/GU10/830/220-240V/FL/BX**	**65253**	1050	240	25	3000	80	25,000	50.7	56.5	1/8
5	220-240	GU10	**LED5D/GU10/830/220-240V/WFL/BX**	**65254**	700	240	35	3000	80	25,000	50.7	56.5	1/8
5	220-240	GU10	**LED5D/GU10/840/220-240V/FL/BX**	**65799**	1200	270	25	4000	80	25,000	50	58	1/8
5	220-240	GU10	**LED5D/GU10/840/220-240V/WFL/BX**	**65801**	750	270	35	4000	80	25,000	50	58	1/8
6	220-240	GU10	**LED6D/GU10/827/220-240V/FL BX 1/8**	**98170**	1250	320	25	2700	80	25,000	50.2	57	1/10
6	220-240	GU10	**LED6D/GU10/827/220-240V/WFL BX 1/8**	**98172**	700	320	35	2700	80	25,000	50.2	57	1/10
6	220-240	GU10	**LED6D/GU10/830/220-240V/FL BX 1/8**	**98173**	1280	340	25	3000	80	25,000	50.2	57	1/10
6	220-240	GU10	**LED6D/GU10/830/220-240V/WFL BX 1/8**	**98174**	720	340	35	3000	80	25,000	50.2	57	1/10
6	220-240	GU10	**LED6D/GU10/840/220-240V/FL BX 1/8**	**98175**	1400	360	25	4000	80	25,000	50.2	57	1/10
6	220-240	GU10	**LED6D/GU10/840/220-240V/WFL BX 1/8**	**98176**	780	360	35	4000	80	25,000	50.2	57	1/10
6.5	220-240	GU10	**LED6.5D/GU10/827/220-240V/FL/BX**	**65252**	1600	400	25	2700	80	25,000	50.7	77.6	1/8
6.5	220-240	GU10	**LED6.5D/GU10/827/220-240V/WFL/BX**	**65255**	750	380	35	2700	80	25,000	50.7	77.6	1/8
6.5	220-240	GU10	**LED6.5D/GU10/830/220-240V/FL/BX**	**65256**	1600	400	25	3000	80	25,000	50.7	77.6	1/8
6.5	220-240	GU10	**LED6.5D/GU10/830/220-240V/WFL/BX**	**65257**	750	380	35	3000	80	25,000	50.7	77.6	1/8
6.5	220-240	GU10	**LED6.5D/GU10/840/220-240V/FL/BX**	**65258**	1800	450	25	4000	80	25,000	50.7	77.6	1/8
6.5	220-240	GU10	**LED6.5D/GU10/840/220-240V/WFL/BX**	**65259**	850	430	35	4000	80	25,000	50.7	77.6	1/8





LED Energy Smart™ Range - MR16 dimmable

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Lumen [lm]	Beam Angle [°]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
7	12	GU5.3	**LED7DMR16/827/15**	**65808**	3500	370	15	2700	80	25,000	50	50	1/8
7	12	GU5.3	**LED7DMR16/827/25**	**65809**	1800	370	25	2700	80	25,000	50	50	1/8
7	12	GU5.3	**LED7DMR16/827/35**	**65810**	1000	370	35	2700	80	25,000	50	50	1/8
7	12	GU5.3	**LED7DMR16/830/25**	**65805**	1900	390	25	3000	80	25,000	50	50	1/8
7	12	GU5.3	**LED7DMR16/830/15**	**65806**	3700	390	15	3000	80	25,000	50	50	1/8
7	12	GU5.3	**LED7DMR16/830/35**	**65807**	1100	390	35	3000	80	25,000	50	50	1/8
7	12	GU5.3	**LED7DMR16/840/15**	**65811**	4000	430	15	4000	80	25,000	50	50	1/8
7	12	GU5.3	**LED7DMR16/840/25**	**65812**	2100	430	25	4000	80	25,000	50	50	1/8
7	12	GU5.3	**LED7DMR16/840/35**	**65813**	1200	430	35	4000	80	25,000	50	50	1/8
7X	12	GU5.3	**LED7XDMR16827/25**	**65816**	2400	440	25	2700	80	25,000	50	48.7	1/8
7X	12	GU5.3	**LED7XDMR16827/35**	**65817**	1400	440	35	2700	80	25,000	50	48.7	1/8
7X	12	GU5.3	**LED7XDMR16830/25**	**65814**	2500	460	25	3000	80	25,000	50	48.7	1/8
7X	12	GU5.3	**LED7XDMR16830/35**	**65815**	1500	460	35	3000	80	25,000	50	48.7	1/8
7X	12	GU5.3	**LED7XDMR16840/25**	**65818**	2700	510	25	4000	80	25,000	50	48.7	1/8
7X	12	GU5.3	**LED7XDMR16840/35**	**65819**	1600	510	35	4000	80	25,000	50	48.7	1/8



LED Energy Smart™ Range - MR16



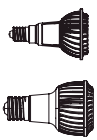
Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Lumen [lm]	Beam Angle [°]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
4	12	GU5.3	LED 4/MR16/827/12V/GU5.3/FL	63633	960	240	25	2700	80	25,000	50.7	46	1/8
4	12	GU5.3	LED 4/MR16/827/12V/GU5.3/SP	63634	2500	210	15	2700	80	25,000	50.7	46	1/8
4	12	GU5.3	LED 4/MR16/827/12V/GU5.3/WFL	63635	580	240	36	2700	80	25,000	50.7	46	1/8
4	12	GU5.3	LED 4/MR16/830/12V/GU5.3/SP	63636	2500	210	15	3000	80	25,000	50.7	46	1/8
4	12	GU5.3	LED 4/MR16/830/12V/GU5.3/FL	63637	960	240	25	3000	80	25,000	50.7	46	1/8
4	12	GU5.3	LED 4/MR16/830/12V/GU5.3/WFL	63638	580	240	36	3000	80	25,000	50.7	46	1/8
6.5	12	GU5.3	LED 6.5/MR16/830/12V/GU5.3/FL BX 1/8	98188	1600	320	24	3000	80	25,000	50	46	1/8

LED Energy Smart™ Range - PAR30 dimmable



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Lumen [lm]	Beam Angle [°]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
10	220-240	E27	LED10DP30S/827/20/E27	79409	3450	450	20	2700	80	50,000	97	99	1/6
10	220-240	E27	LED10DP30S/827/35/E27	79410	1100	450	35	2700	80	50,000	97	99	1/6
10	220-240	E27	LED10DP30S/830/20/E27	79411	3720	500	20	3000	80	50,000	97	99	1/6
10	220-240	E27	LED10DP30S/830/35/E27	79412	1130	500	35	3000	80	50,000	97	99	1/6

LED Energy Smart™ Range - R50, R63 dimmable



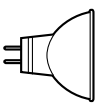
Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Lumen [lm]	Beam Angle [°]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
5	220-240	E14	LED5D/R50/827/220-240V/WFL HBX 1/8	97283	500	220	35	2700	80	25,000	50,2	82.9	1/8
7	220-240	E27	LED7DR63S/827/20/E27	62578	1900	300	20	2700	80	50,000	65	105	1/8
7	220-240	E27	LED7DR63S/827/35/E27	62582	830	300	35	2700	80	50,000	65	105	1/8
7	220-240	E27	LED7DR63S/830/20/E27	79407	2000	330	20	3000	80	50,000	65	105	1/8
7	220-240	E27	LED7DR63S/830/35/E27	79408	850	330	35	3000	80	50,000	65	105	1/8

LED Decor Range - GU10



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Lumen [lm]	Beam Angle [°]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
1	220-240	GU10	OT LED GU10 1W 220-240V WHITE GE BX1/10	96736	80	28	20	5500	70	12,000	50.7	57	1/10
2	230-240	GU10	LED 2/GU10/630/230-240V/SP HBX	63982	500	110	15	3000	60	12,000	50.7	59	1/8

LED Decor Range - MR16



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Lumen [lm]	Beam Angle [°]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
1	12	GU5.3	OT LED MR16 GU5.3 1W 12V WHITE GE BX1/10	96739	80	28	20	5000	70	12,000	50.7	50.5	1/10

LED Decor Range - PAR16

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Lumen [lm]	Beam Angle [°]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
1	220-240	E14	OT LED PAR16 E14 1W 220-240V WHITE GE BX	96740	80	28	20	5000	70	12,000	57.2	76	1/10

LED Decor Range - R50



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Lumen [lm]	Beam Angle [°]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
2	230-240	E14	LED 2/R50/630/230-240V/SP/E14 HBX	97179	500	110	15	3000	60	12,000	50.7	76	1/8

LED Energy Smart™ Range – GLS

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
5	220-240	E27	**LED5/GLS/827/220-240/E27/HBX**	**65737**	185	2700	80	25,000	63.5	110	1/8
5	220-240	E27	**LED5/GLS/830/220-240/E27/HBX**	**79428**	200	3000	80	25,000	63.5	110	1/6
5	220-240	B22	**LED5/GLS/827/220-240/B22/HBX**	**65742**	185	2700	80	25,000	63.5	108.5	1/8
5	220-240	B22	**LED5/GLS/830/220-240B22/HBX**	**79432**	200	3000	80	25,000	63.5	108.5	1/6
9	220-240	E27	**LED9/GLS/827/220-240/E27/HBX**	**65739**	405	2700	80	25,000	63.5	110	1/8
9	220-240	E27	**LED9/GLS/830/220-240/E27/HBX**	**79426**	430	3000	80	25,000	63.5	110	1/6
9	220-240	B22	**LED9GLS/827/220-240/B22/HBX**	**65736**	405	2700	80	25,000	63.5	110	1/8
9	220-240	B22	**LED9/GLS/830/220-240/B22/HBX**	**79430**	430	3000	80	25,000	63.5	110	1/6
8	230-240	E27	**LED8D/A60/827/230-240V/E27/F/HBX1/6**	**97311**	470	2700	80	15,000	61	115	1/6
8	230-240	B22	**LED8D/A60/827/230-240V/B22/F/HBX1/6**	**97312**	470	2700	80	15,000	61	115	1/6
9	220-240	E27	**LED9/GLS/OMNI/830/220-240V/E27 HBX**	**63640**	470	3000	80	25,000	69	116	1/6
9	220-240	B22	**LED9/GLS/OMNI/830/220-240V/B22 HBX**	**63639**	470	3000	80	25,000	69	116	1/6
7.5	220-240	E27	**LED7.5/GLS/OMNI/827/220-240V/E27 HBX**	**97992**	470	2700	80	15,000	62	110	1/8
7.5	220-240	B22	**LED7.5/GLS/OMNI/827/220-240V/B22 HBX**	**97993**	470	2700	80	15,000	62	110	1/8
12	220-240	E27	**LED12/GLS/OMNI/827/220-240V/E27 HBX**	**97994**	810	2700	80	15,000	62	110	1/8
12	220-240	B22	**LED12/GLS/OMNI/827/220-240V/B22 HBX**	**97995**	810	2700	80	15,000	62	110	1/8






Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
4.5	220-240	E27	**LED4.5D/B35/827/E27/220-240V/FR**	**98204**	250	2700	80	20,000	36	98.5	1/10
4.5	220-240	E27	**LED4.5D/B35/827/E27/220-240V/CL**	**98205**	250	2700	80	20,000	36	98.5	1/10
4.5	220-240	E14	**LED4.5D/B35/827/E14/220-240V/FR**	**98207**	250	2700	80	20,000	36	104	1/10
4.5	220-240	E14	**LED4.5D/B35/827/E14/220-240V/CL**	**98208**	250	2700	80	20,000	36	104	1/10
4.5	220-240	B22	**LED4.5D/B35/827/B22/220-240V/FR**	**98213**	250	2700	80	20,000	36	97	1/10
4.5	220-240	B22	**LED4.5D/B35/827/B22/220-240V/CL**	**98215**	250	2700	80	20,000	36	97	1/10
4.5	220-240	E14	**LED4.5D/B35BT/827/E14/220-240V/FR**	**98217**	250	2700	80	20,000	36	123.5	1/6

LED Energy Smart™ - Spherical Dimmable

4.5	220-240	E27	**LED4.5D/P45/827/E27/220-240V/FR**	**98221**	250	2700	80	20,000	46	74	1/6
4.5	220-240	E14	**LED4.5D/P45/827/E14/220-240V/FR**	**98222**	250	2700	80	20,000	46	80	1/6
4.5	220-240	B22	**LED4.5D/P45/827/B22/220-240V/FR**	**98224**	250	2700	80	20,000	46	72.5	1/6

LED Energy Smart™ - Globe Dimmable

4.5	220-240	E27	**LED4.5D/G80/827/E27/220-240V/FR**	**98225**	250	2700	80	20,000	46	112.5	1/6
4.5	220-240	B22	**LED4.5D/G80/827/B22/220-240V/FR**	**98226**	250	2700	80	20,000	81	111	1/6







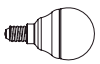

LED Decor Range - Candle dimmable

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Life [L70, h]	Diameter [mm]	Length [mm]	Pack Qty
4	230-240	E14	**LED4D/B35/827/230-240V/E14/F/HBX1/6**	**97305**	220	2700	80	15000	39	104	1/6
4	230-240	B22	**LED4D/B35/827/230-240V/B22/F/HBX1/6**	**97306**	220	2700	80	15000	39	102.5	1/6
4	230-240	B15	**LED4D/B35/827/230-240V/B15/F/HBX1/6**	**97307**	220	2700	80	15000	39	102.5	1/6



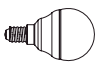
LED Decor Range - Candle

1.2	230-240	E14	**LED1.2/B35/830/230-240V/E14/F/HBX1/6**	**97299**	60	3000	80	15000	39	104	1/6
1.2	230-240	B22	**LED1.2/B35/830/230-240V/B22/F/HBX1/6**	**97300**	60	3000	80	15000	39	102.5	1/6
1.2	230-240	B15	**LED1.2/B35/830/230-240V/B15/F/HBX1/6**	**97301**	60	3000	80	15000	39	102.5	1/6



LED Decor Range - Spherical dimmable

4	230-240	E14	**LED4D/P45/827/230-240V/E14/F/HBX1/6**	**97308**	220	2700	80	15000	46	80	1/6
4	230-240	B22	**LED4D/P45/827/230-240V/B22/F/HBX1/6**	**97309**	220	2700	80	15000	46	72.5	1/6
4	230-240	E27	**LED4D/P45/827/230-240V/E27/F/HBX1/6**	**97310**	220	2700	80	15000	46	74	1/6



LED Decor Range - Spherical

1.2	230-240	E14	**LED1.2/P45/830/230-240V/E14/F/HBX1/6**	**97302**	60	3000	80	15000	46	80	1/6
1.2	230-240	E27	**LED1.2/P45/830/230-240V/E27/F/HBX1/6**	**97303**	60	3000	80	15000	46	74	1/6
1.2	230-240	B22	**LED1.2/P45/830/230-240V/B22/F/HBX1/6**	**97304**	60	3000	80	15000	46	72.5	1/6

High Intensity Discharge Lamps



Ultra-efficient light sources Outstanding light quality and exceptional reliability

When considering lamp life, light efficiency and excellent colour rendering, GE's Ceramic Metal Halide (CMH) range offers the perfect solution. From retail, decorative or industrial applications to outdoor applications the wide range of products represent the most advanced technology to deliver unbeatable reliability and performance. GE also provides a wide range of Lucalox™ High Pressure Sodium products for street lighting and industrial applications. GE's Lucalox™ range offers outstanding efficiency, extremely long life and reliability to meet increasing performance expectations and new regulations in these market segments.





Indoor Solutions

Retail Industrial

When factors such as lamp life, light efficiency, cost and colour rendering matter, GE's Ceramic Metal Halide (CMH) range can provide the perfect solution. Combining high quality of light with excellent energy efficiency, GE CMH products offer the flexibility to meet challenging design requirements across environments and applications ranging from retail, industrial and decorative to outdoor use on floodlighting, street lighting or city beautification.



- **Widest range from 20W to 400W**
- **Very efficient, up to 92LpW**
- **High CRI up to 90**
- **Outstanding long life up to 24.000hrs**

Quality of Light

Constant Color™ CMH range

ConstantColor™ Ceramic Metal Halide (CMH) lighting offers a high quality light source for a wide range of applications.
Available in Single Ended, Double Ended, Supermini, MR16 and reflector variations.





ConstantColor™ CMH Ultra

Our next generation of CMH lamps are the ultimate light source for retail applications where quality of light, colour and efficiency is important.

Key features

- 35W and 70W 3000K CMH lamps in GU6.5, G8.5, G12 and GX10 formats
- Lumen maintenance and colour rendering (CRI) are both significantly improved vs. standard CMH, while maintaining industry leading 16,500-18,000 hours life
- The 930 colour gives a true representation of all colours in the spectrum
- These lamps will operate in any existing CMH70 and 35 G12 or G8.5 systems.







Benefits

- Extended service life and lamp replacement cycles
- Creates a higher level product offering through improved lumen maintenance and colour rendering
- Improved lumen maintenance keeps stores brighter longer

Applications

- Retail and accent lighting
- General retail display
- Wherever current generation CMH 35 & 70W G12 and G8.5 products are in use

Outdoor Solutions

Road and tunnel

Street and pedestrian

Commercial areas

Quality of Light



CMH – street lighting – bright, safe white light

It is generally observed that white light makes it easier for drivers to recognize shapes and colour, particularly in the peripheral vision. For pedestrians white light promotes a feeling of security and confidence, much more than under yellow or orange street lighting.

- **CRI up to 85**
- **Very efficient white light up to 110LpW**
- **Outstanding long life up to 24,000 hours**

Solution for Reliability



Lucalox™ XO & XO Superlife – solution for reliability in street lighting

GE Lucalox™ XO High Pressure Sodium lamps offer outstanding luminous efficiency, lumen maintenance and long life, thus reducing energy and maintenance costs.

- **luminous efficiency up to 146 LpW**
- **Long life up to 60,0 00 hours**



GE ConstantColor™ CMH StreetWise™



GE ConstantColor™ CMH StreetWise™ ceramic metal halide lamps have been designed as the easy-fit replacement for outdated technologies. They are also the logical first choice for new installations.

They are fitted with standard E27/E40 bases and can be dimmed, they outperform most standard HID systems and with high reliability and sustained lumen output across a longer working life of 24,000 hours, they are supremely cost effective.

They support electronic and electromagnetic ballasts and are compatible with the major street light ballasts, retrofitting the existing HPS systems. If you have any particular needs please contact your GE sales representative.

StreetWise™ ceramic metal halide lamps are an excellent white light energy efficient choice, offering:

- **Lowest total cost of ownership**
- **Wide range: 50/70/100/150 Watts**
- **Dimmable for all wattages (except 50W EM version) for further energy saving**
- **System flexibility, operating on both electronic and electromagnetic ballasts**
- **Standard E27/E40 bases for simplicity**
- **Compatible with existing HPS fixtures and optics**
- **Same size and LCL as current HPS**
- **Horizontal burning position**
- **Very efficient up to 110LpW**
- **Outstanding long life of 24.000hrs**

When to specify StreetWise™

In applications where lighting class reduction using lamps above Ra8 60 can be considered, StreetWise™ is a clear leader. Its excellent Ra8 value of 70 provides improved colour rendering over similar systems of comparable life and efficiency.



Selector

ConstantColor™ CMH (Ceramic Metal Halide) GU6.5, TC, T, TD



Single Ended Supermini Ultra and Standard (GU6.5)

Cap: GU6.5
Wattages: 20-35W
Colours: 830, 930, 942
Rated life: 10,000 -16,500Hrs

Page II.10



Single Ended Mini Ultra, Ultra White and Standard (TC)

Cap: G8.5
Wattages: 20 -70W
Colours: 830, 930, 942
Rated life: 12,000 -18,000Hrs

Page II.10



Single Ended Ultra, Ultra White and Standard (T)

Cap: G12
Wattages: 20-150W
Colours: 830, 930, 942
Rated life: 12,000 -18,000Hrs

Page II.10



Double Ended (TD)

Cap: RX7s or RX7s-24
Wattages: 35-150W
Colours: 830
Rated life: 15,000Hrs

Page II.10

ConstantColor™ CMH (Ceramic Metal Halide) Reflectors



MR16 Ultra and Standard

Cap: GX10
Wattages: 20-35W
Colours: 830, 930, 942
Rated life: 10,000 -16,500Hrs

Page II.11



PAR20

Cap: E27
Wattages: 20-35W
Colours: 830, 942
Rated life: 10,000 -12,000Hrs

Page II.11



PAR30

Cap: E27
Wattages: 20-70W
Colours: 830, 942
Rated life: 10,000 -13,000Hrs

Page II.11

ConstantColor™ CMH (Ceramic Metal Halide) Elliptical and Tubular



Open Rated Elliptical

Cap: E27
Wattages: 70-150W
Colours: 942
Finish: Clear or Diffuse
Rated life: 10,000-15,000Hrs

Page II.11



Elliptical

Cap: E27, E40
Wattages: 70-400W
Colours: 830
Finish: Clear or Diffuse
Rated life: 10,000 -24,000Hrs

Page II.12



StreetWise™

Cap: E27, E40
Wattages: 50-150W
Colours: 730
Finish: Clear
Rated life: 24,000Hrs

Page II.12



Tubular

Cap: E27, E40
Wattages: 70-400W
Colours: 830, 842, 942
Finish: Clear
Rated life: 10,000 -24,000Hrs

Page II.12



Open Rated Tubular

Cap: E40
Wattages: 150W
Colours: 830, 942
Finish: Clear
Rated life: 12,000Hrs

Page II.12

CMH Ballasts



CMH Standard Ballasts

A range of standard ballasts
for 35-70W CMH lamps

Page II.12



CMH Miniature Ballasts

A range of miniature ballasts
for 20-35W
CMH lamps

Page II.12

High Intensity Discharge Lamps

Arcstream Metal Halide
Operates on suitable metal halide/high pressure sodium ballast and metal halide ignitor



Single Ended
Cap: G12
Wattages: 70-150W
Colours: 3000-4200K
CRI: 70-80
Rated life: 6,000Hrs

Page II.13



Double Ended
Cap: Rx7s-Fc2
Wattages: 70-250W
Colours: 3000-6500K
CRI: 75-90
Rated life: 8,000-12,000Hrs

Page II.13



Double Ended Coloured
Cap: RX7s-24
Wattages: 150W
Colours: Green, Blue, Orange, Magenta
Rated life: 6,000Hrs

Page II.13



Tubular
Cap: E40
Wattages: 250-400W
Colours: 4200-6000K
CRI: 70-90+
Finish: Clear
Rated life: 12,000Hrs

Page II.13



Elliptical
Cap: E40
Wattages: 250W
Colours: 4000-6000K
CRI: 70-90
Finish: Clear or Diffuse
Rated life: 12,000-14,000Hrs

Page II.14

Multi-Vapour Metal Halide
Operates from CWA Control Gear



Standard – Elliptical
Cap: E40
Wattages: 250-1000W
Colours: 3700-4200K
CRI: 65-70
Finish: Clear or Diffuse
Rated life: 10,000 -20,000Hrs

Page II.14



High Output – Elliptical
Cap: E40
Wattages: 250-400W
Colours: 3200-4200K
CRI: 65-70
Finish: Clear or Diffuse
Rated life: 20,000Hrs

Page II.14

Kolorarc™ Metal Halide
Operates from suitable mercury or metal halide ballast rated 3.5A and metal halide ignitor



Tubular
Cap: E40
Wattages: 400W
Colours: 6000K
CRI: 90
Finish: Clear
Rated life: 14,000Hrs

Page II.14



Elliptical
Cap: E40
Wattages: 400W
Colours: 4000-6000K
CRI: 65-90
Finish: Clear or Diffuse
Rated life: 14,000Hrs

Page II.14

Sportlight™ Metal Halide
For sports and floodlighting



Linear
Cap: RX7s - spec
Wattages: 1500-2000W
Colours: 5200K
CRI: 65
Rated life: 6,000Hrs

Page II.15



Tubular Clear
Cap: E40
Wattages: 1000-2000W
Colours: 4000-6000K
CRI: 65-93
Rated life: 2,000 -8,000Hrs

Page II.15



Internal Ignitor
Cap: E40
Wattages: 2000W
Colours: 4000-6000K
CRI: 65-93
Rated life: 2,000-5,000Hrs

Page II.15

Selector

Lucalox™ High Pressure Sodium



Lucalox™ XO Superlife

Cap: E27, E40
Wattages: 50-400W
Feature: Extra high lumen output and Twin Arctubes for extra life
Finish: Tubular Clear or Elliptical Diffuse
Rated life: 40,000 -60,000Hrs

Page II.15



Lucalox™ XO

Cap: E27, E40
Wattages: 50-600W
Feature: Extra high lumen output
Finish: Tubular Clear or Elliptical Diffuse
Rated life: 28,500 -35,000Hrs

Page II.15



Lucalox™ Superlife

Cap: E40
Wattages: 250-400W
Feature: Twin Arctubes for extra life
Finish: Elliptical Diffuse
Rated life: 55,000Hrs

Page II.16



Lucalox™ Standard

Cap: E27, E40
Wattages: 70-1000W
Finish: Tubular Clear or Elliptical Diffuse
Rated life: 24,000 -28,500Hrs

Page II.16



Lucalox™ Start

Cap: E27, E40
Wattages: 70-400W
Finish: Tubular clear
Rated life: 12,000-24,000Hrs

Page II.16



Lucalox™ Internal Ignitor

Cap: E27
Wattages: 70W
Feature: Internal ignitor
Finish: Elliptical Clear or Diffuse
Rated life: 17,500Hrs

Page II.16

Mercury Lamps



Kolorlux™ Mercury Standard

Cap: E27, E40
Wattages: 50-400W
Rated life: 16,000-20,000Hrs

Page II.17



Kolorlux™ Mercury Deluxe

Cap: E27, E40
Wattages: 50-400W
Rated life: 16,000-20,000Hrs

Page II.17



Kolorlux™ Mercury Start

Cap: E27
Wattages: 125W
Rated life: 12,000 Hrs

Page II.17



Mixed Light

Cap: E27, E40
Wattages: 160-500W
Voltage: 230-240V or 240-250V
Rated life: 8,000Hrs

Page II.17

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where Life or Average Life are stated we refer to the industry standard definition of how many hours of operation 50% of a given installation will exceed.

Additional parameters:

CCT [K]: Colour Temperature – Kelvins
A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value the whiter or "cooler" the light appears.
CRI [Ra]: Colour Rendering Index
An indication of the ability of the lamp to render object colours in a normal, natural way. The higher the number (0-100), the better the colour appearence.

Watts:
Energy Used – Nominal Watts.
To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000

Cap:
The type of cap fitted. See page 148-149 for cap drawings

Nominal Volts:
Lamp data is based on operation at rated voltage

Product description:
The lamp's identification code

Lumens:
Initial Lumens - light output at 100 hours

Operating position:
U - Universal
HOR - Horizontal
BU - Base Up
VBU - Vertical Base Up

Life (Horizontal):
Rated average life in horizontal burning position

Diameter:
Bulb diameter in mm

ConstantColor™ - CMH Supermini

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
20	95	GU6.5	**CMH20/T/UVC/830/GU6.5**	**40399**	1615	830	U	12,000	12,000	52	13	12
35	95	GU6.5	**CMH35/T/UVC/930/GU6.5**	**88656**	3400	930	U	10000*	10,000*	52	13	12

CMH 70 / T / UVC / U / 9 30 / G12 ULTRA

(CMH) Product Family
CMH - ConstantColor™ CMH
ARC - Arcstream™
KRC - Kolorarc™
MPR/MVR - Multi-Vapor™
SPL - Sportlight™
LU - Lucalox™
H - Mercury
ML - Blended Light
BLS - Ballast

(70) Identifies Lamp's wattage

(T) Identifies the lamp format.
TD - Double Ended
E - Elliptical Clear
D - Elliptical Diffused
L - Linear
PARxx - PAR + size
T - Tubular Clear

(UVC) UV Control

(U) Operating Position

(9) Colour rendering
6 - nom 60, min 57 (Group 2B)
7 - nom 70, min 67 (Group 2A)
8 - nom 80, min 77 (Group 1B)
9 - nom 90, min 87 (Group 1A)

(30) Colour temperature
XX = First 2 digits of temperature in Kelvin - XX00K
Example: 30 is 3000K

(G12): Identifies the cap type

Product code:
It is important to use this code when ordering to ensure that you receive the exact product you require

Colour:
Combination of colour rendering and colour temperature

Life (Vertical):
Rated average life in vertical burning position

Length:
Lamp length in mm

Pack quantity:
Number of product units packed in a case

ConstantColor™ CMH Lamps

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
ConstantColor™ - CMH Supermini												
20	95	GU6.5	**CMH20/TC/UVC/830/GU6.5**	**40399**	1615	830	U	12,000	12,000	52	13	12
35	93	GU6.5	**CMH35/T/UVC/V60/930/GU6.5 ULTRA**	**76122**	3500	930	V+/-60	16,500	–	52	13	12
35	95	GU6.5	**CMH35/T/UVC/930/GU6.5**	**88656**	3400	930	U	10,000	10,000	52	13	12
35	95	GU6.5	**CMH35/T/UVC/942/GU6.5**	**88657**	3400	942	U	12,000	12,000	52	13	12
ConstantColor™ - CMH Single Ended Mini												
20	90	G8.5	**CMH20/TC/UVC/U/830/G8.5 PLUS**	**39858**	1650	830	U	12,000	12,000	85	14.5	12
35	90	G8.5	**CMH35/TC/UVC/U942/G8.5**	**26348**	3200	942	U	18,000	18,000	85	14.5	12
35	90	G8.5	**CMH35/TC/UVC/U/830/G8.5 PLUS**	**43273**	3400	830	U	16,500	16,500	85	14.5	12
35	92	G8.5	**CMH35/TC/V60/UVC/930/G8.5 ULTRA**	**76120**	3600	930	V+/-60	16,500	–	85	14.5	12
70	90	G8.5	**CMH70/TC/UVC/U/942/G8.5**	**26349**	6200	942	U	15,000	15,000	85	14.5	12
70	90	G8.5	**CMH70/TC/UVC/U/830/G8.5 PLUS**	**43274**	6200	830	U	15,000	15,000	85	14.5	12
70	90	G8.5	**CMH70/TC/UVC/U/930/G8.5 ULTRA WHITE**	**63595**	6700	930	U	18,000	18,000	85	14.5	12
70	90	G8.5	**CMH70/TC/UVC/U/930/G8.5 ULTRA**	**96751**	6200	930	U	18,000	18,000	85	14.5	12
ConstantColor™ - CMH Single Ended												
20	90	G12	**CMH20/T/UVC/U/830/G12 PLUS**	**42708**	1650	830	U	12,000	12,000	90	14.5	12
35	90	G12	**CMH35/T/UVC/U/830/G12 PLUS**	**43272**	3400	830	U	16,500	16,500	90	14.5	12
35	92	G12	**CMH35/T/V60/UVC/930/G12 ULTRA**	**76121**	3600	930	V+/-60	16,500	–	90	19	12
35	90	G12	**CMH35/T/UVC/U/942/G12**	**92141**	3200	942	U	18,000	18,000	90	14.5	12
70	90	G12	**CMH70/T/UVC/U/830/G12**	**20005**	6400	830	U	15,000	15,000	90	19	12
70	90	G12	**CMH70/T/UVC/U/942/G12**	**20013**	6000	942	U	15,000	15,000	90	19	12
70	95	G12	**CMH70/T/UVC/U/930/G12 ULTRA WHITE**	**63596**	6600	930	U	18,000	18,000	90	19	12
70	95	G12	**CMH70/T/UVC/U/930/G12 ULTRA**	**96752**	6400	930	U	18,000	18,000	90	19	12
150	90	G12	**CMH150/T/UVC/U/830/G12**	**20012**	14000	830	U	12,000	12,000	100	19	12
150	90	G12	**CMH150/T/UVC/U/942/G12**	**20014**	13000	942	U	12,000	12,000	100	19	12
ConstantColor™ - CMH Double Ended												
35	90	RX7s	**CMH35/TD/UVC/830/RX7s**	**43278**	3400	830	HOR±45°	-	15,000	118	21	12
70	90	RX7s	**CMH70/TD/UVC/830/RX7s**	**36910**	7000	N/A	HOR±45°	-	15,000	118	21	12
70	90	RX7s	**CMH70/TD/UVC/942/RX7s**	**38698**	6200	N/A	HOR±45°	-	15,000	118	21	12
150	96	RX7s-24	**CMH150/TD/UVC/830/RX7s-24**	**36912**	14500	N/A	HOR±45°	-	15,000	135	27	12
150	96	RX7s-24	**CMH150/TD/UVC/942/RX7s-24**	**38692**	12500	N/A	HOR±45°	-	15,000	135	27	12









High Intensity Discharge Lamps

ConstantColor™ - CMH MR16 Precise



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
20	95	GX10	**CMH20/MR16/UVC/830/GX10/SP**	**40400**	9000	12	830	U	12,000	12,000	54.5	51	12
20	95	GX10	**CMH20/MR16/UVC/830/GX10/FL GX10**	**40401**	2900	25	830	U	12,000	12,000	54.5	51	12
20	95	GX10	**CMH20/MR16/UVC/830/GX10/WFL GX10**	**42691**	1500	40	830	U	12,000	12,000	54.5	51	12
35	93	GX10	**CMH35/MR16/V60/UVC/930/GX10/SP Ultra**	**76123**	16000	12	930	V+/-60	16,500	–	54.5	51	12
35	93	GX10	**CMH35/MR16/V60/UVC/930/GX10/FL Ultra**	**76124**	5500	25	930	V+/-60	16,500	–	54.5	51	12
35	93	GX10	**CMH35/MR16/V60/UVC/930/GX10/WFL Ultra**	**76125**	3000	40	930	V+/-60	16,500	–	54.5	51	12
35	90	GX10	**CMH35/MR16/UVC/930/GX10/SP GX10**	**88658**	16000	12	930	U	10,000	10,000	54.5	51	12
35	90	GX10	**CMH35/MR16/UVC/930/GX10/FL GX10**	**88659**	5500	25	930	U	10,000	10,000	54.5	51	12
35	90	GX10	**CMH35/MR16/UVC/930/GX10/WFL GX10**	**88660**	3000	40	930	U	10,000	10,000	54.5	51	12
35	90	GX10	**CMH35/MR16/UVC/942/GX10/SP GX10**	**88661**	16000	12	942	U	12,000	12,000	54.5	51	12
35	90	GX10	**CMH35/MR16/UVC/942/GX10/FL GX10**	**88662**	5500	25	942	U	12,000	12,000	54.5	51	12
35	90	GX10	**CMH35/MR16/UVC/942/GX10/WFL GX10**	**88663**	3000	40	942	U	12,000	12,000	54.5	51	12

ConstantColor™ - CMH PAR 20



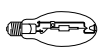
Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
20	95	E27	**CMH20PAR20/UVC/830/E27/SP10**	**26478**	13000	10	830	U	12,000	12,000	92	64	15
20	95	E27	**CMH20/PAR20/UVC/830/E27/FL25**	**26481**	3750	25	830	U	12,000	12,000	92	64	15
35	90	E27	**CMH35/PAR20/UVC/830/E27/SP10**	**21684**	22000	10	830	U	10,000	10,000	92	64	15
35	90	E27	**CMH35/PAR20/UVC/830/E27/FL25**	**21685**	7500	25	830	U	10,000	10,000	92	64	15
35	90	E27	**CMH35/PAR20/UVC/942/E27/SP10**	**44890**	19450	10	942	U	10,000	10,000	92	64	15
35	90	E27	**CMH35/PAR20/UVC/942/E27/FL25**	**44919**	6950	25	942	U	10,000	10,000	92	64	15

ConstantColor™ - CMH PAR 30



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
20	95	E27	**CMH20PAR30/UVC/830/E27/SP10**	**26497**	19800	10	830	U	12,000	12,000	124	95.5	6
20	95	E27	**CMH20PAR30/UVC/830/E27/FL25**	**26518**	4900	25	830	U	12,000	12,000	124	95.5	6
35	90	E27	**CMH35/PAR30/UVC/830/E27/SP10**	**21689**	39600	10	N/A	U	10,000	10,000	124	95.5	6
35	90	E27	**CMH35/PAR30/UVC/830/E27/FL 25**	**21690**	11000	25	N/A	U	10,000	10,000	124	95.5	6
35	90	E27	**CMH35/PAR30/UVC/942/E27/SP10**	**44939**	36700	15	942	U	10,000	10,000	124	95.5	6
35	90	E27	**CMH35/PAR30/UVC/942/E27/FL25**	**44942**	10200	40	942	U	10,000	10,000	124	95.5	6
70	90	E27	**CMH70/PAR30/UVC/830/E27/SP15**	**21683**	42800	25	N/A	U	13,000	13,000	124	95.5	6
70	90	E27	**CMH70/PAR30/UVC/830/E27/FL40**	**21682**	10000	10	N/A	U	13,000	13,000	124	95.5	6
70	90	E27	**CMH70/PAR30/UVC/942/E27/SP15**	**74620**	33500	15	942	U	10,00	10,000	124	95.5	6
70	90	E27	**CMH70/PAR30/UVC/942/E27/FL40**	**74619**	9000	40	942	U	10,000	10,000	124	95.5	6

ConstantColor™ - CMH Elliptical Clear



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
70	97	E27	**CMH70/E/UVC/U/830/E27/C**	**97982**	6300	N/A	U	15,000	15,000	138	54	6
100	102	E27	**CMH100/E/UVC/U/830/E27/C**	**97984**	9200	N/A	U	15,000	15,000	138	54	6

ConstantColor™ - CMH Elliptical Clear, Open Rated

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
150	95	E27	**CMH150/UVC/O/U/942/E27/C**	**43285**	13200	942	U	15,000	15,000	138	55	6

ConstantColor™ - CMH Elliptical Diffuse

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
70	97	E27	**CMH70/E/UVC/U/830/E27/D**	**97979**	6000	830	U	15,000	15,000	138	54	6
100	102	E27	**CMH100/E/UVC/U/830/E27/D**	**97985**	8700	830	U	10,000	10,000	138	54	6
250	117	E40	**CMH250/E/UVC/U/830/E40/D**	**10591**	23500	830	U	24,000	24,000	227	90	12
400	120	E40	**CMH400/E/UVC/U/830/E40/D**	**13087**	39000	830/836	U	20,000	20,000	282	120	6

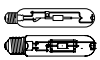


ConstantColor™ - CMH Elliptical Diffuse, Open Rated

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
70	97	E27	**CMH70/UVC/O/U/940/E27/D**	**43282**	5300	940	U	15,000	15,000	138	54	6
150	95	E27	**CMH150/UVC/O/U/940/E27/D**	**43286**	12300	940	U	15,000	15,000	138	55	6

ConstantColor™ - CMH Tubular Clear StreetWise

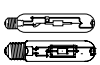
Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
50	85	E27	**CMH50/TT/UVC/730/E27 STREETWISE ECG**	**64982**	5000	730	HOR±15°**	-	24,000*	156	39	12
50	85	E27	**CMH50/TT/UVC/730/E27 STREETWISE EM**	**77400**	4500	730	HOR±15°**	-	24,000*	156	39	12
70	95	E27	**CMH70/TT/UVC/730/E27 STREETWISE**	**77401**	7640	730	HOR±15°**	-	24,000*	156	39	12
100	100	E40	**CMH100/TT/UVC/730/E40 STREETWISE**	**77399**	10900	730	HOR±15°**	-	24,000*	211	48	12
150	100	E40	**CMH150/TT/UVC/730/E40 STREETWISE**	**77402**	16200	730	HOR±15°	-	24,000*	211	48	12



*Testing is still on-going to determine final design life
** Universal burning position to be available in Q4

ConstantColor™ - CMH Tubular Clear

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
70	95	E27	**CMH70/TT/UVC/830/E27**	**38752**	6400	830	U	15,000	20,000	156	37	12
100	109	E40	**CMH100/TT/UVC/830/E40**	**92478**	9200	830	U	10,000	15,000	209	48	12
150	95	E40	**CMH150/UVC/T/U/842/E40**	**21514**	14500	842	U	15,000	15,000	209	48	12
150	100	E40	**CMH150/TT/UVC/830/E40**	**38749**	14000	830	U	15,000	20,000	209	48	12
250	117	E40	**CMH250/TT/UVC/U/830/E40**	**10589**	25000	830	U	24,000	24,000	260	48	12
250	110	E40	**KRC250/CMH/830/T/H/E40**	**20302**	20000	830	HOR	-	24,000	260	48	12
250	107	E40	**CMH250/T/U/942/E40**	**62356**	25000	942	U	16,000*	16,000*	260	48	12
400	120	E40	**CMH400/TT/UVC/U/830/E40**	**13067****	41000	830/836	U	20,000	20,000	278	60	12



*Testing is still on-going to determine final design life
** 830 in horizontal burning position, 836 in vertical burning position

ConstantColor™ - CMH Tubular Clear, Open Rated

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
150	100	E40	**CMH150/UVC/O/T/U/830/E40**	**21516**	14000	830	U	12,000	12,000	209	48	12
150	100	E40	**CMH150/UVC/O/T/U/942/E40**	**21517**	14000	942	U	12,000	12,000	209	48	12



Wattage [W]	Volts [V]	Product Description	Product Code	Category	Weight [g]	Pack Qty
CMH Standard Ballast						
35	220-240	**BLS/E/35W/CMH**	**61487**	integral	350	10
35	220-240	**BLS/E/35W/CMH /R CC**	**61488**	remote cable clamp	370	10
70	220-240	**BLS/E/70W/CMH**	**61376**	integral	350	10
70	220-240	**BLS/E/70W/CMH/R CC**	**61569**	remote cable clamp	370	10
CMH Miniature Ballast						
20	220-240	**BLS/E/20W/CMH**	**78711**	integral	165	12
20	220-240	**BLS/E/20W/CMH/R/CC**	**78712**	remote cable clamp	180	12
20	220-240	**BLS/E/20W/CMH/R/LP**	**78713**	remote with lead	240	12
35	220-240	**BLS/E/35W/CMH**	**78714**	integral	165	12
35	220-240	**BLS/E/35W/CMH/R/CC**	**78715**	remote cable clamp	180	12
35	220-240	**BLS/E/35W/CMH/R/LP**	**78716**	remote with lead	240	12

High Intensity Discharge Lamps

Metal Halide Lamps

Arcstream™ Single Ended RG-2



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
150	95	G12	**ARC150/G12/830**	**88654**	12000	3000	80	U	6,000	6,000	76	21.5	10
150	95	G12	**ARC150/G12/842**	**88655**	11500	4200	80	U	6,000	6,000	76	21.5	10

WARNING: UV emitted from lamps in Risk Group 2 and 3. Avoid eye and skin exposure to unshielded product.

Arcstream™ Single Ended UVC

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
70	95	G12	**ARC70/T/U/730/G12**	**97286**	5200	3000	70	U	6,000	6,000	87	23	10
70	95	G12	**ARC70/T/U/742/G12**	**97287**	5200	4200	75	U	6,000	6,000	87	23	10

Arcstream™ Double Ended UVC



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
70	95	RX7s	**ARC70/UVC/TD/730/Rx7s**	**34530**	5500	3000	75	HOR±45°	12,000	114	19	12
70	95	RX7s	**ARC70/UVC/TD/742/Rx7s**	**34536**	5500	4200	75	HOR±45°	12,000	114	22	12
150	95	RX7s-24	**ARC150/UVC/TD/732/Rx7s-24**	**34527**	12000	3200	75	HOR±45°	8,000	132	22	12
150	95	RX7s-24	**ARC150/UVC/TD/742/Rx7s-24**	**34535**	12000	4200	75	HOR±45°	8,000	132	25	12

Arcstream™ Double Ended RG-3



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
150	95	RX7s-24	**ARC150/AQUA/TD/865/Rx7s-24**	**35284**	11000	6500	85	HOR±45°	8,000	132	25	12
150	110	RX7s-24	**ARC150/TD/952/Rx7s-24**	**93772**	11000	5200	90	HOR±45°	8,000	132	25	12
250	114	Fc2	**ARC250/TD/832/Fc2**	**30099**	20000	3200	75	HOR±45°	8,000	163	25	12
250	115	Fc2	**ARC250/TD/842/Fc2**	**30101**	20000	4200	75	HOR±45°	8,000	163	25	12

WARNING: UV emitted from lamps in Risk Group 2 and 3. Avoid eye and skin exposure to unshielded product.

Arcstream™ Double Ended Coloured UVC

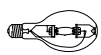
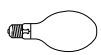


Colour	Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Operating position	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
green	**150**	95	RX7S-24	**ARC150/UVC/TD/GREEN/RX7S-24**	**12181**	HOR±45°	6,000	132	25	12
blue	**150**	95	RX7S-24	**ARC150/UVC/TD/BLUE/RX7S-24**	**12182**	HOR±45°	6,000	132	25	12
orange	**150**	95	RX7S-24	**ARC150/UVC/TD/ORANGE/RX7S-24**	**12183**	HOR±45°	6,000	132	25	12
magenta	**150**	95	RX7S-24	**ARC150/UVC/TD/MAGENTA/RX7S-24**	**12184**	HOR±45°	6,000	132	25	12

Arcstream™ Tubular Clear

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
250	100	E40	**ARC250/T/H/960/E40**	**32664**	19000	6000	90	HOR±45°	-	12,000	220	47	12
250	100	E40	**ARC250/T/VBU/960/E40**	**32665**	19000	6000	90	BU±45°	12,000	-	220	47	12
250	112	E40	**ARC250/T/H/742/E40**	**42357**	21000	4200	70	HOR±15°	-	12,000	220	48	12
400	105	E40	**ARC400/T/H/742/E40**	**42369**	35000	4200	70	HOR±15°	-	12,000	260	47	12

The lamp shall be operated only in a luminaire provided with a protective shield.

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty	
Arcstream™ Elliptical Diffuse														
250	100	E40	**ARC250/D/H/740/E40**	**16870**	19500	4000	70	HOR±15°	-	14,000	227	90	10	
250	100	E40	**ARC250/D/H/960/E40**	**30047**	17000	6000	90	HOR±45°	-	12,000	227	91	12	
250	100	E40	**ARC250/D/VBU/960/E40**	**32666**	17000	6000	90	VBU±45°	12,000	-	227	90	12	
Multi-Vapor™ Elliptical Clear														
250**	133	E40	**MVR250/U/40***	**44542**	20800	4200	65	U	10,000	10,000	216	89	12	
400**	135	E40	**MVR400/U/40***	**43907**	40000	4000	65	U	20,000	20,000	295	118	6	
1000**	V250 H245	E40	**MVR1000/U/40**	**41828**	108000	4000	65	U	15,000	15,000	385	178	6	
Multi-Vapor™ Elliptical Diffuse														
250**	133	E40	**MVR250/C/U/40***	**44543**	20000	3900	70	U	10,000	10,000	216	89	12	
400**	135	E40	**MVR400/C/U/40**	**43908**	40000	3700	70	U	20,000	20,000	295	117	6	
Multi-Vapor™ High Output Elliptical Clear														
250	133	E40	**MVR250/VBU/40**	**98777**	22000	4200	65	VBU±15°	10,000	-	216	89	12	
400	135	E40	**MVR400/VBU/40**	**49860**	41000	4000	65	VBU±15°	20,000	-	295	117	6	
Multi-Vapor™ High Output Elliptical Diffuse														
250	133	E40	**MVR250/C/VBU/40**	**98778**	20000	4000	65	VBU±15°	10,000	-	216	89	12	
400*	135	E40	**MPR400/C/VBU/0/40**	**27738**	38000	3200	70	VBU±15°	20,000	-	295	117	6	
400	135	E40	**MVR400/C/VBU/40**	**49857**	40000	3700	70	VBU±15°	20,000	-	295	117	6	
Kolorarc™ Tubular Clear														
400	130	E40	**KRC400/T/H/960/E40**	**30052**	28400	6000	90	HOR±45°	-	14,000	270	58	12	
400	130	E40	**KRC400/T/VBU/960/E40**	**30704**	27000	6000	90	VBU±45°	14,000	-	270	58	12	
Kolorarc™ Elliptical Clear														
400	135	E40	**KRC400/E/VBU/645/E40**	**16871**	33500	4500	65	VBU±30°	14,000	-	286	122	10	
Kolorarc™ Elliptical Diffuse														
400	130	E40	**KRC400/D/H/960/E40**	**10834**	26800	6000	90	HOR±45°	-	14,000	282	121	6	
400	130	E40	**KRC400/D/VBU/960/E40**	**10837**	25400	6000	90	VBU±45°	14,000	-	282	121	6	
400	135	E40	**KRC400/D/VBU/740/E40**	**16872**	33500	4000	70	VBU±30°	14,000	-	286	122	10	
400	135	E40	**KRC400/D/H/740/E40**	**16875**	38000	4000	70	HOR±15°	-	14,000	286	120	10	

Operating from suitable metal halide / high pressure sodium (HPS) ballast and metal halide ignitor. Arcstream™ lamps are only suitable for operation in fully enclosed fixtures where lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100°C)

*Non EU Product
**Performance data claimed for vertical position

*Non EU Product
**Performance data claimed for vertical position

Operating from CWA control gear. Initial lumen values and Rated Average Life based on vertical orientation for Universal types. Multi-Vapor™ lamps must operated in fully enclosed fixtures except those marked *when used VBU or VBD +/-15°. For lamps requiring enclosed fixtures, lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100 °C). Lamps operated in the vertical position that are not designated "Enclosed Fixtures only" lamp may be used in an open or enclosed lighting fixture depending upon the application and operating environment. For example, if the lamp is located near combustible material or in an area which is unoccupied for extended periods, an enclosed fixture which can contain fragments of hot quartz or glass is recommended. For more information contact your fixture manufacturer.

Operating from suitable mercury or metal halide ballast rated 3 5A and metal halide ignitor. Low loss ballast recommended for 400W 6000K (960) products – see lamp data sheet for details. * Enhanced lumen performance operating from special "High Output" ballast rated 3.8A – see lamp data sheet for details. Kolorarc™ lamps are only suitable for operation in fully enclosed fixtures where lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100 °C)

High Intensity Discharge Lamps

Metal Halide Lamps *(continued)*

Sportlight™ Linear

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Pack Qty
1500	250	RX7SM	**SPL1500/L/H/652/Rx7SM**	**16920**	120000	5200	65	HOR±15°	-	6,000	256	24	1
2000	230	spec.	**SPL2000/L/H/651/SPEC**	**16922**	200000	5200	65	HOR±15°	-	6,000	311	26	1

Sportlight™ Tubular Clear

1000	120	E40	**SPL1000/T/H/960/E40**	**88882**	80000	6000	93	HOR±60°	-	8,000	334	65	4
2000	125	E40	**SPL2000/220V/T/H/640/E40**	**36078**	189000	4000	65	HOR±75°	-	2,000	430	102	4
2000	225	E40	**SPL2000/380V/T/H/960/E40**	**30102**	170000	6000	93	HOR±60°	-	5,000	430	102	4

Sportlight™ Internal Ignitor ⚠

2000	225	E40	**SPL2000/380V/I/T/H/960/E40**	**30103**	170000	6000	93	HOR±60°	-	5,000	430	101	4
2000	235	E40	**SPL2000/380V/I/T/H/640/E40**	**33148**	190000	4000	65	HOR±75°	-	2,000	430	101	4

Please refer to technical data sheet for appropriate ballast and ignitors. Sportlight™ lamps are only suitable in fully enclosed fixtures, where fixture lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100° C)

⚠ Internal Ignitor

High Pressure Sodium Lamps

Lucalox™ XO Superlife Tubular Clear ⚠

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated Life [h]	Length [mm]	Diameter [mm]	Pack Qty
70	90	E27	**LU 70/XO/SBY/T/E27**	**88258**	6600	2000	25	U	50,000	156	39	25
100	100	E40	**LU 100/XO/SBY/T/E40**	**88256**	10500	2000	25	U	60,000	211	48	12
150	100	E40	**LU 150/XO/SBY/T/E40**	**78737**	17500	2000	25	U	60,000	211	48	12
250	100	E40	**LU 250/XO/SBY/T/E40**	**78738**	33000	2000	25	U	55,000	260	48	12
400	100	E40	**LU 400/XO/SBY/T/E40**	**78739**	55800	2000	25	U	55,000	283	48	12

Lucalox™ XO Superlife Elliptical Diffuse ⚠

50	85	E27	**LU50/85/XO/SBY/D/E27**	**97238**	3500	2000	25	U	40,000	156	72	12
70	90	E27	**LU70/XO/SBY/D/E27**	**88257**	6000	2000	25	U	50,000	156	71	12
100	100	E40	**LU100/XO/SBY/D/E40**	**88255**	10000	2000	25	U	60,000	186	75	12

Lucalox™ XO Tubular Clear

50	85	E27	**LU50/85/XO/T/27**	**93373**	4400	2100	25	U	28,500	156	39	25
70	90	E27	**LU70/90/XO/T/27**	**93375**	6600	2100	25	U	28,500	156	39	25
100	100	E40	**LU100/100/XO/T/40**	**93376**	10700	2100	25	U	35,000	211	48	12
150	100	E40	**LU150/150/XO/T/40**	**93377**	17500	2100	25	U	35,000	211	48	12
250	100	E40	**LU250/XO/T/40**	**93378**	33200	2100	25	U	32,000	260	48	12
400	100	E40	**LU400/XO/T/40**	**93269**	56500	2100	25	U	32,000	292	48	12
600	115	E40	**LU600/XO/T/40**	**93270**	88500	2100	25	U	32,000	292	48	12

Lucalox™ XO Elliptical Diffuse

50	85	E27	**LU50/85/XO/D/27**	**45696**	3600	2100	25	U	28,500	156	72	12
70	90	E27	**LU70/90/XO/D/27**	**45697**	6000	2100	25	U	33,000	156	72	12
400	105	E40	**LU400/XO/D/40**	**93296**	54000	2100	25	U	32,000	292	122	6
100	100	E40	**LU100/100/XO/D/40**	**93379**	10200	2100	25	U	35,000	186	76	12
150	100	E40	**LU150/100/XO/D/40**	**93380**	16900	2100	25	U	35,000	227	91	12
250	100	E40	**LU250/XO/D/40**	**93381**	31200	2100	25	U	32,000	227	91	12

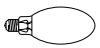
⚠ External Ignitor, ⚠ Internal Ignitor

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated Life [h]	Length [mm]	Diameter [mm]	Pack Qty
Lucalox™ Superlife Elliptical Diffuse ⚠												
250	100	E40	**LU250/SBY/D/E40***	**35590**	26000	2000	25	U	55,000	227	91	12
400	105	E40	**LU400/SBY/D/E40 ***	**35591**	48000	2000	25	U	55,000	282	122	6
* Non EU product												
Lucalox™ Standard Tubular Clear ⚠												
70	90	E27	**LU 70/90/MO/T/E27**	**46221**	6100	2000	25	U	28,500	156	39	25
100	100	E40	**LU100/100/MO/T/40**	**93767**	9600	2000	25	U	28,500	211	48	12
150	100	E40	**LU150/100/HO/T/E40**	**97241**	17500	2000	25	U	24,000	283	48	12
150	100	E40	**LU150/100/40***	**44244**	15000	2000	25	U	28,500	211	48	12
250	100	E40	**LU250/T/40***	**22453**	28500	2000	25	U	28,500	260	48	12
400	100	E40	**LU400/HO/T/E40**	**97240**	56500	2000	25	U	24,000	260	48	12
400	100	E40	**LU400/T/40***	**11678**	48000	2000	25	U	28,500	278	48	12
1000	250	E40	**LU1000/40**	**44059**	130000	2100	22	U	24,000	383	79	6
1000	110	E40	**LU1000/110/T/40**	**45751**	130000	2000	25	U	24,000	374	68	4
* Non EU product												
Lucalox™ Standard Elliptical Diffuse ⚠												
70	90	E27	**LU70/90/MO/D/E27**	**46217**	5750	2000	25	U	28,500	156	72	12
100	100	E40	**LU100/100/MO/D/40***	**93766**	9200	2000	25	U	28,500	186	76	12
150	100	E40	**LU150/100/D/40***	**44245**	14500	2000	25	U	28,500	227	91	12
250	100	E40	**LU250/D/40***	**44052**	26000	2000	25	U	28,500	227	91	12
400	105	E40	**LU400/D/40***	**44057**	48000	2000	25	U	28,500	282	122	6
* Non EU product												
Lucalox™ Start Tubular Clear ⚠												
70	90	E27	**LU70/90/T12/27 START***	**96815**	5100	2000	21	U	12,000	156	39	25
150	100	E40	**LU150/100/T/40 START***	**96808**	15000	2000	21	U	24,000	211	48	12
250	100	E40	**LU250/T/40 START***	**96810**	28000	2000	21	U	24,000	260	48	12
400	105	E40	**LU400/T/40 START***	**96813**	48000	2000	21	U	24,000	292	48	12
* Non EU product												
Lucalox™ Internal Ignitor Elliptical Clear												
70	90	E27	**LU 70/90/MO/I/E27** ⚠	**46209**	6100	2000	25	U	17,500	156	72	12
Lucalox™ Internal Ignitor Elliptical Diffuse												
70	90	E27	**LU70/90/MO/D/I/E27** ⚠	**46186**	5750	2000	25	U	17,500	156	72	12

⚠External Ignitor, ⚠ Internal Ignitor

High Intensity Discharge Lamps

High Pressure Mercury Lamps



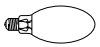
Kolorlux™ Mercury Standard

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated Life [h]	Length [mm]	Diameter [mm]	Pack Qty
50	95	E27	**H50/27**	**74171**	1800	4000	40	U	16,000	130	55	24
80	115	E27	**H80/27**	**74172**	3800	4000	45	U	20,000	156	70	24
125	125	E27	**H125/27**	**73736**	6300	4000	45	U	20,000	170	75	24
250	130	E40	**H250/40**	**73737**	13000	4000	40	U	20,000	227	90	12
400	135	E40	**H400/40**	**74174**	22500	4000	40	U	20,000	292	120	12



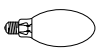
Kolorlux™ Mercury Deluxe

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated Life [h]	Length [mm]	Diameter [mm]	Pack Qty
50	95	E27	**H50 DX E27**	**77055**	1800	3700	52	U	16,000	130	55	24
80	115	E27	**H80 DX E27**	**77056**	3800	3600	53	U	20,000	156	70	24
125	125	E27	**H125 NDX E27**	**77057**	6500	3500	53	U	20,000	170	75	24
250	130	E40	**H250 NDX E40**	**77058**	13800	3400	45	U	20,000	227	90	12
400	135	E40	**H400 DX E40**	**77061**	24400	3400	47	U	20,000	292	120	12



Kolorlux™ Mercury Start

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated Life [h]	Length [mm]	Diameter [mm]	Pack Qty
125	125	E27	**H125/E27/GE/START**	**44180**	5800	4000	40	U	12,000	178	76	24



Mixed Light

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated Life [h]	Length [mm]	Diameter [mm]	Pack Qty
160	230-240	E27	**ML160/230-240V E27**	**96724**	3100	4200	52	VBU±30	8,000	170	76	24
160	240-250	E27	**ML160/240-250V E27**	**96728**	3100	4200	52	VBU±30	8,000	170	76	24
250	230-240	E40	**ML250/230-240V E40**	**96723**	5500	3800	52	U	8,000	227	91	12
250	230-240	E27	**ML250/230-240V E27**	**96725**	5500	3800	52	U	8,000	227	91	12
250	240-250	E40	**ML250/240-250V E40**	**96726**	5500	3800	52	U	8,000	227	91	12
500	230-240	E40	**ML500/230–240V E40**	**96713**	14000	3800	45	U	8,000	292	121	10

Brand cross reference

The following pages show GE and alternative brand Order Codes. These cross references are provided as a quick guide and may only represent a near equivalent to other brands. The table contains data from alternative brands' catalogues and website.

GE	OSRAM	PHILIPS	Havells Sylvania	Venture
ConstantColor CMH™				
CMH20/TC/UVC/830/GU6.5	HCI-TF 20W/830 WDL PB GU6.5	CDM-Tm Mini GU6.5 20W/830	CMI-Tmini 20W/WDL UVS	–
CMH35/T/UVC/930/GU6.5	HCI-TF 35/930 WDL PB GU6.5	-	–	–
CMH35/T/UVC/930/GU6.5 Ultra	-	CDM-Tm Elite Mini GU6.5 35W/930	–	–
CMH35/T/UVC/942/GU6.5	-	-	–	–
CMH20/TC/UVC/U/830/G8.5 Plus	HCI-TC 20W/830 WDL PB G8.5	CDM-TC 20W/830 G8.5		–
CMH35/TC/UVC/U/830/G8.5 Plus	HCI-TC 35W/830 WDL PB G8.5	CDM-TC 35W/830 G8.5	CMI-TC 35W/WDL UVS	–
CMH35/TC/UVC/U/930/G8.5 Ultra	HCI-TC 35/930 WDL PB Shop G8.5	CDM-TC Elite 35W/930 G8.5	–	–
CMH35/TC/UVC/U/942/G8.5	HCI-TC 35W/942 NDL PB UVS G8.5	CDM-TC 35W/942 G8.5	–	–
CMH70/TC/UVC/U/830/G8.5 Plus	HCI-TC 70W/830 WDL PB G8.5	CDM-TC 70W/830 G8.5	–	–
CMH70/TC/UVC/U/942/G8.5	HCI-TC 70W/942 NDL PB G8.5	CDM-TC 70W/942 G8.5	CMI-TC 70W/WDL UVS	–
CMH70/TC/UVC/U/930/G8.5 Ultra / Ultra White	HCI-TC 70/930 WDL PB Shop G8.5*	CDM-TC Elite 70W/930 G8.5	–	–
CMH20/T/UVC/U/830/G12 Plus	–	CDM-T 20W/830 G12	–	–
CMH35/T/UVC/U/830/G12 Plus	HCI-T 35W/830 WDL PB G12	CDM-T 35W/830 G12	CMI-T 35W/WDL UVS	CM-PLUS T 35W/U/UVS/G12/830
CMH35/T/UVC/U/930/G12 Ultra	HCI-T 35/930 WDL PB Shop G12	CDM-T Elite 35W/930 G12	–	–
CMH35/T/UVC/U/942/G12	HCI-T 35W/942 NDL PB UVS G12	CDM-T 35W/942 G12	CMI-T 70W/WDL UVS	CM-PLUS T 35W/U/UVS/G12/942
CMH70/T/UVC/U/830/G12	HCI-T 70W/830 WDL PB G12	CDM-T 70W/830 G12	CMI-T 70W/NDL UVS	CM-PLUS T 70W/U/UVS/G12/830
CMH70/T/UVC/U/942/G12	HCI-T 70W/942 NDL PB UVS G12	CDM-T 70W/942 G12	–	CM-PLUS T 70W/U/UVS/G12/942
CMH70/T/UVC/U/930/G12 Ultra / Ultra White	HCI-TC 70/930 WDL PB Shop G12	CDM-T Elite 70W/930 G12	–	–
CMH150/T/UVC/U/830/G12	HCI-T 150W/830 WDL PB G12	CDM-T 150W/830 G12	CMI-T 150W/WDL UVS	CM-PLUS T 150W/U/UVS/G12/830
CMH150/T/UVC/U/942/G12	HCI-T 150/NDL PB UVS G12	CDM-T 150W/942 G12	CMI-T 150W/NDL UVS	CM-PLUS T 150W/U/UVS/G12/942
CMH35/TD/UVC/830/RX7s	–	–	CMI-T 35W/WDL UVS	–
CMH70/TD/UVC/830/Rx7s	HCI-TS 70W/830 WDL PB UVS RX7S	CDM-TD 70W/830 RX7s	CMI-T 70W/WDL UVS	CM-PLUS TD 70W/U/UVS/RX7s/830
CMH70/TD/UVC/942/Rx7s	HCI-TS 70W/942 NDL PB UVS RX7S	CDM-TD 70W/942 RX7s	CMI-T 70W/NDL UVS	CM-PLUS TD 70W/U/UVS/RX7s/942
CMH150/TD/UVC/830/Rx7s-24	HCI-TS 150W/830 WDL PB RX7S-24	CDM-TD 150W/830 RX7s-24	CMI-T 150W/WDL UVS	CM-PLUS TD 150W/U/UVS/RX7s/830
CMH150/TD/UVC/942/Rx7s-24	HCI-TS 150W/942 NDL PB RX7S-24	CDM-TD 150W/942 RX7s-24	CMI-T 150W/NDL UVS	CM-PLUS TD 150W/U/UVS/RX7s/942
CMH20/MR16/UVC/830/GX10/SP12	–	CDM-Rm Mini 20W/830 GX10 MR16 10D	–	–
CMH20/MR16/UVC/830/GX10/FL25	–	CDM-Rm Mini 20W/830 GX10 MR16 25D	–	–
CMH20/MR16/UVC/830/GX10/WFL40	–	CDM-Rm Mini 20W/830 GX10 MR16 40D	–	–
CMH35/MR16/UVC/930/GX10/SP 12	–	-	–	–
CMH35/MR16/UVC/930/GX10/FL 25	–	-	–	–
CMH35/MR16/UVC/930/GX10/WFL40	–	-	–	–
CMH35/MR16/UVC/930/GX10/SP12 Ultra	–	CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	–	–
CMH35/MR16/UVC/930/GX10/FL25 Ultra	–	CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	–	–
CMH35/MR16/UVC/930/GX10/WFL40 Ultra	–	CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	–	–
CMH35/MR16/UVC/942/GX10/SP12	–	-	–	–
CMH35/MR16/UVC/942/GX10/FL25	–	-	–	–
CMH35/MR16/UVC/942/GX10/WFL40	–	-	–	–
CMH20/PAR20/UVC/830/E27/SP10	–	–	–	–
CMH20/PAR20/UVC/830/E27/FL25	–	–	–	–
CMH35/PAR20/830/E27/SP	HCI-PAR20 35W/830 WDL SP E27	CDM-R 35W/830 E27 PAR20L10D	–	–
CMH35/PAR20/830/E27/FL	HCI-PAR20 35W/830 WDL FL E27	CDM-R 35W/830 E27 PAR20L30D	–	–
CMH35/PAR20/UVC/942/E27/SP10	-	CDM-R 35W/942 E27 PAR20L10D	–	–
CMH35/PAR20/UVC/942/E27/FL25	-	CDM-R 35W/942 E27 PAR20L30D	–	–
CMH20/PAR30/UVC/830/E27/SP10	HCI-PAR30 20W/830 WDL SP E27	–	–	–
CMH20/PAR30/UVC/830/E27/FL25	HCI-PAR30 20W/830 WDL FL E27	–	–	–
CMH35/PAR30/UVC/830/E27/SP10	HCI-PAR30 35W/830 WDL SP E27	CDM-R 35W/830 E27 PAR20L10D	–	–
CMH35/PAR30/UVC/830/E27/FL25	HCI-PAR30 35W/830 WDL FL E27	CDM-R 35W/830 E27 PAR20L30D	–	–
CMH35/PAR30/UVC/942/E27/SP10	-	–	–	–
CMH35/PAR30/UVC/942/E27/FL25	-	–	–	–
CMH70/PAR30/UVC/830/E27/SP	HCI-PAR30 70W/830 WDL SP E27	CDM-R 70W/830 E27 PAR30L10D	–	–
CMH70/PAR30/UVC/830/E27/FL	HCI-PAR30 70W/830 WDL FL E27	CDM-R 70W/830 E27 PAR30L40D	–	–
CMH70/E/UVC/U/830/E27/C	HCI-E/P 70/830 WDL PB E27 clear	CDM-ET 70W /830 E27		CM-PLUS ED 70W/U/UVS/830
CMH100/E/UVC/U/830/E27/C	HCI-E/P 100/830 WDL PB clear	CDM-ET 100W /830 E40	–	CM-PLUS ED 100W/U/UVS/830
CMH150/UVC/O/U/942/E27/C	HCI-E/P 150W/942 NDL PBMO CL E27	–	–	–
CMH70/E/UVC/U/830/E27/D	HCI-E/P 70W/830 NDL PB COE27	CDO-ET Coated 70W/828 E27	–	–
CMH70/UVC/O/U/940/E27/D	HCI-E/P 70W/942 NDL Coated E27	–	–	–
CMH100/E/UVC/U/830/E27/D	HCI-E/P 100W/830 WDL PB Coated E27	CDO-ET Coated 100W/828 E40	–	–
CMH150/UVC/O/U/940/E27/D	HCI-E/P 150W/942 NDL PB MO E27	CDO-ET Coated 150W/828 E40	–	–
CMH250/E/UVC/U/830/E40/D	HCI-E 250W/830 WDL PB E40	–	–	–
CMH400/E/UVC/U/830/E40/D	–	–	–	–

High Intensity Discharge Lamps

GE	OSRAM	PHILIPS	Havells Sylvania	Venture
ConstantColor CMH™				
CMH50/TT/UVC/730/E27 STREETWISE	–	CDO-TT 50W/828 E27	–	–
CMH70/TT/UVC/830/E27	HCI-T/P 70W/830 WDL PB E27	–	–	CM-PLUS TT 70W/U/UVS/830
CMH70/TT/UVC/730/E27 STREETWISE	–	CDO-TT 70W /828 E27	–	–
CMH100/TT/UVC/830/E40	HCI-TT 100/830 WDL PB E40	–	–	CM-PLUS TT 100W/U/UVS/830
CMH100/TT/UVC/730/E40 STREETWISE	–	CDO-TT 100W /828 E27	–	–
CMH150/TT/UVC/830/E40	HCI-T/P 150W/830 WDL PB E40	–	–	CM-PLUS TT 150W/U/UVS/830
CMH150/TT/UVC/730/E40 STREETWISE	–	CDO-TT 150W/828 E40	–	–
CMH150/UVC/T/U/842/E40	HCI-TT 150/830 WDL PB E40	–	–	CM-PLUS TT 150W/U/UVS/942
CMH150/UVC/O/T/U/830/E40	HCI-T/P 150W/830 NDL PB E40	–	–	–
CMH150/T/UVC/O/U/942/E40	HCI-T/P 150W/942 NDL PB E40	–	–	–
CMH250/TT/UVC/U/830/E40	HCI-T 250W/830 WDL PB E40	CDO-TT 250W /828 E27	–	–
KRC250/CMH/830/T/H/E40	–	–	–	–
CMH400/TT/UVC/U/830/E40	–	–	–	–
Arcstream™				
ARC70/T/U/730/G12	HQI T 70/WDL	–	HSI-T 70W/WDL	–
ARC70/T/U/742/G12	HQI T 70/NDL	–	HSI-T 70W/NDL	–
ARC150/G12/830	HQI T 150/WDL	–	HSI-T 150W/WDL	HIT 150W/G12/UVS/3K
ARC150/G12/842	HQI T 150/NDL	–	HSI-T 150W/NDL	HIT 150W/G12/UVS/4K
ARC70/UVC/TD/730/Rx7s	HQI TS 70/WDL UVS	–	HSI-TD 75W/WDL 3K UVS	MH-DE 70W/UVS/3K
ARC70/UVC/TD/742/Rx7s	HQI TS 70/NDL UVS	–	HSI-TD 75W/NDL 4K UVS	MH-DE 70W/UVS/4K
ARC150/UVC/TD/732/Rx7s-24	HQI TS 150/WDL UVS	–	HSI-TD 150W/WDL 3K UVS	MH-DE 150W/UVS/3K
ARC150/UVC/TD/742/Rx7s-24	HQI TS 150/NDL UVS	–	HSI-TD 150W/NDL 4K UVS	MH-DE 150W/UVS/4K
ARC150/TD/952/Rx7s-24	HQI TS 150/D UVS	–	HSI-TD 150W/D 5K UVS	–
ARC150/UVC/AQUA/TD/865/Rx7s-24	–	–	–	MH-DE 150W/UVS/FS/6K
ARC250/TD/832/Fc2	HQI TS 250/WDL UVS	–	HSI-TD 250W/NDL 3K UVS	MH-DE 250W/UVS/3K/Fc2
ARC250/TD/842/Fc2	HQI TS 250/NDL UVS	–	HSI-TD 250W/NDL 4K UVS	MH-DE 250W/UVS/4K/Fc2
ARC150/UVC/TD/GREEN/RX7S-24	–	–	–	MH-DE 150W/UVS/GDX
ARC150/UVC/TD/BLUE/RX7S-24	–	–	–	MH-DE 150W/UVS/BDX
ARC150/UVC/TD/ORANGE/RX7S-24	–	–	–	–
ARC150/UVC/TD/MAGENTA/RX7S-24	–	–	–	MH-DE 150W/UVS/MDX
ARC250/T/VBU/960/E40	HQI-T 250/D*	–	HSI-T 250W / 6K*	–
ARC250/T/H/960/E40	–	–	HSI-T 250W / 6K*	–
ARC400/T/H/742/E40	HQI-T 400/N*	MASTER HPI-T Plus 400W/645 E40 1SL*	HSI-TSX 400W*	HIT 400W/U/EURO/4K*
ARC250/D/H/740/E40	–	MASTER HPI Plus 250W/745 BU E40 1SL*	HSI-SX 250W/CO*	–
ARC250/D/H/960/E40	HQI-E 250/D*	–	–	–
ARC250/D/VBU/960/E40	HQI-E 250/D*	MASTER HPI Plus 250W/767 BU E40 1SL*	–	–
Kolorarc™				
KRC400/T/H/960/E40	HQI-BT 400/D*	–	HSI-T 400W / 6K*	HIT 400W/U/LU/6.5K*
KRC400/T/VBU/960/E40	HQI-BT 400/D*	–	HSI-T 400W / 6K*	HIT 400W/U/LU/6.5K*
KRC400/E/VBU/645/E40	HQI-E 400/N CLEAR*	–	HSI-HX 400W CL*	HIE 400W/BU/EURO/4K*
KRC400/D/VBU/740/E40	HQI-E 400/N*	MASTER HPI Plus 400W/745 BU E40 1SL*	HSI-HX 400W CO*	HIE 400W/C/V/DU/4.5K*
KRC400/D/H/740/E40	HQI-E 400/N*	–	HSI-HX 400W CO*	HIE 400W/C/U/EURO/4K*
KRC400/D/VBU/960/E40	–	MASTER HPI Plus 250W/767 BU E40 1SL*	–	–
KRC400/D/H/960/E40	–	–	–	–
Multi-vapor™				
MVR250/U/40	–	–	–	–
MVR400/U/40	–	–	–	–
MVR1000/U/40	–	–	–	HIE 1000W/U/4K*
MVR250/C/U/40	–	–	–	–
MVR400/C/U/40	–	–	–	–
MVR400/VBU/40	–	–	–	–
MVR400/C/VBU/40	–	–	–	–
MPR400/C/VBU/0/40	–	–	–	–
Sportlight™				
SPL1500/L/H/652/Rx7SM	–	–	–	–
SPL2000/L/H/654	–	–	–	–
SPL2000/T/H/960/E40	HQI-T 2000/D*	–	–	–
SPL2000/I/T/H/640/E40	HQI-T 2000 /N*	HPI-T 2000W/642 E40 380V CRP*	HSI-T 2000W-S4K 380V/I*	–
SPL2000/I/T/H/960/E40	HQI-T 2000 /D/I*	–	–	–
SPL1000/T/H/960/E40 1/4	HQI-T 1000/D*	–	–	–

Brand cross reference

GE	OSRAM	PHILIPS	Havells Sylvania	Venture
Mixed Light				
ML 160/230-240V E27	HWL 160 235V	ML 160W E27 235-245	HSB-BW 160W 230V E27	–
ML 160/240-250V	HWL 160 240V	ML 160W E27 235-245	HSB-BW 160W 240	–
ML 250/230-240V E40	HWL 250 235V	ML 250W E27 225-235	HSB-BW 250W 240V E40	–
ML 250/230-240V E27	–	ML 250W E40 225-235	HSB-BW 250W 240V E27	–
ML 250/ 240-250V E40	HWL 250 240V	ML 250W E40 235-245	HSB-BW 250W 240	–
ML 500/230-240V E40	HWL 500 235V	ML 500W E40 225-235	HSB-BW 500W 240V E40	–
Lucalox™ Standard				
LU70/90/D/27	NAV-E 70/E	SON E 70W	SHP 70W/CO-E	–
LU100/100/MO/D/40	NAV-E 100	SON E 100W	SHP 100W	–
LU150/100/D/40	NAV-E 150	SON E 150W	SHP 150W	–
LU250/D/40	NAV-E 250	SON E 250W	SHP 250W	–
LU400/D/40	NAV-E 400	SON E 400W	SHP 400W	–
LU70/90/T12/27	NAV-T 70	SON- T 70W	SHP-T 70W	–
LU100/100/MO/T/40	NAV-T 1000	SON- T 100W	–	–
LU150/100/T /40	NAV-T 150	SON-T 150W	SHP-T 150W	–
LU250/T/40	NAV-T 250	SON-T 250W	SHP-T 150W	–
LU400/T/40	NAV-T 400	SON-T 400W	SHP-T 400W	–
LU1000/110/T/40	NAV-T 1000	SON-T 1000W	SHP-T 1000W	–
Lucalox™ XO				
LU50/85/XO/D/27	NAV-T 50 SUPER 4Y	–	SHP S 50W	–
LU70/90/XO/D/27	NAV-T 70 SUPER 4Y	MASTER SON PIA PLUS 70W	SHP S 70W	–
LU100/100/XO/D/40	NAV-E 100 SUPER 4Y	MASTER SON PIA PLUS 100W	SHP S 100W	–
LU250/XO/D/40	NAV-E 250 SUPER 4Y	MASTER SON PIA PLUS 250W	SHP S 250W	–
LU400/XO/D/40	NAV-E 400 SUPER 4Y	MASTER SON PIA PLUS 400W	SHP S 400W	–
LU50/85/XO/T/27	NAV-T 50 SUPER 4Y	MASTER SON-T PIA PLUS 50W	SHP TS 50W	–
LU70/90/XO/T/27	NAV-T 70 SUPER 4Y	MASTER SON-T PIA PLUS 70W	SHP TS 70W	–
LU100/100/XO/T/40	NAV-T 100 SUPER 4Y	MASTER SON-T PIA PLUS 100W	SHP TS 100W	–
LU150/150/XO/T/40	NAV-T 150 SUPER 4Y	MASTER SON-T PIA PLUS 150W	SHP TS 150W	–
LU250/XO/T/40	NAV-T 250 SUPER 4Y	MASTER SON-T PIA PLUS 250W	SHP TS 250W	–
LU400/XO/T/40	NAV-T 400 SUPER 4Y	MASTER SON-T PIA PLUS 400W	SHP TS 400W	–
LU600/XO/T/40	NAV-T 600 SUPER 4Y	MASTER SON-T PIA PLUS 600W	SHP TS 600W	–
Lucalox™ I				
LU50/85/D/I/27	NAV-E 50/I	SON 50W I	SHP 50W/CO-I	–
LU70/90/D/I/27	NAV-E 70/I	SON 70W I	SHP 70W/CO-I	–
LU70/90/I/27	–	–	SHP 70W/CL-I	–
Lucalox™ E-Z lux				
LUH110/D/27 - SHx	NAV-E 110	SON-H Pro 110W	SHx 110W E27	–
Lucalox™ SUPERLIFE				
LU70/90/XO/SBY/T12/E27	–	–	SHP-TS 70W TWinarc	–
LU100/100/XO/SBY/T/E40	–	–	SHP-TS 100W TWinarc	–
LU150/XO/SBY/T/E41	–	–	SHP-TS 150W TWinarc	–
LU250/XO/SBY/T/E42	–	–	SHP-TS 250W TWinarc	–
LU400/XO/SBY/T/E43	–	–	SHP-TS 400W TWinarc	–
LU50/85/X0/SBY/D/27	–	–		–
LU70/90/XO/SBY/D/E27	–	–	SHP-S 70W TWinarc	–
LU100/100/XO/SBY/D/E40	–	–	SHP-S 100W TWinarc	–
LU250/SBY/D/40	–	–	SHP-S 250W TWinarc	–
LU400/SBY/D/40	–	–	SHP-S 400W TWinarc	–
Kolorlux Standard				
H50/27	HQL 50	HPL-N 50W	HSL-BW 50W E27	–
H80/27	HQL 80	HPL-N 80W	HSL-BW 80W E27	–
H125/27	HQL 125	HPL-N 125W	HSL-BW 125W E27	–
H250/40	HQL 250	HPL-N 250W	HSL-BW 250W E40	–
H400/40	HQL 400	HPL-N 400W	HSL-BW 400W E40	–

*Similar product, please contact your local sales representative for more details

Linear Fluorescent Lamps



Discover GE's LFL solutions
WattMiser for extra energy savings
LongLast for extra long life

Remarkable light	distribution, less shadow than point source lamps
Flexibility	of wattage and length for every application
Up to 46,000 hours	of life with our T8 LongLast™ lamps at 12-hour burning cycles
85 CRI	high colour rendering and high lumen maintenance
5-10%	energy savings with WattMiser lamps versus traditional LFL lamps
Dimmability	for additional cost savings



Office

Retail

Education

Industrial



Main application areas

Education and Office

Classrooms and office areas need a creative and stimulating environment. Minimum glare on screens, low luminance contrasts around the desk, energy cost reduction are just a few of the key requirements. Many schools and offices have already discovered the benefits of replacing their outdated light sources with our new-generation LFL lamps.

Retail

LFL lamps are the perfect complement of directional light sources, as it has an excellent lighting distribution. At a retail environment, directed light is indispensable to highlight the merchandise however it need additional light sources with a good light distribution to elevate the brilliance in the entire store, so less point source lamp is needed. Directed light sources and LFL lamps together provide a perfect and economic solution for the illuminance of the retail environment.

Industrial

For industrial and commercial environments, the use of appropriate illumination systems is essential for profitable growth, greater safety in the workplace, improved productivity and reduced error rates. We recommend our LongLast lamps to cover all these needs.

T5 & T8 Watt-Miser™

For reduced electricity costs

T5 Watt-Miser™ uses 5% less energy than other T5 lamps in the range, with the same lumen output. T5 Watt-Miser ideal for any indoor application from a single fitting to large scale installations such as offices, retail outlets and public buildings. Hence very significant energy savings can be achieved.

- **5% energy saving with existing fittings on current controlled gear**
- **Reduced CO2 and other greenhouse gas emissions**
- **Energy saving without loss of light output**
- **Excellent lumen maintenance**
- **Product life 30,000 hours at 12-hour burning cycle**
- **Complies with RoHS Directive 2011/65/EU and contains recyclable components**



T5 coating

Our T5 LFL lamps use an advanced coating technology, which improves lamp efficiency by increasing phosphor efficiency.

GE's T5 coating technology gives the option for either longer life or energy saving lamps due to the improvement in lamp performance.



All of GE's T8 range offers excellent service life and high quality light but with the addition of Watt-Miser™ technology. Cost savings of up to 10% can also be achieved with T8 WattMiser.

T8 Watt-Miser™ is ideal for retail, property management, commercial and industrial applications where lighting cycles are typically very long.

T8 WattMiser™

- **Retrofitable – with existing fittings and control gear**
- **Excellent colour quality – Ra 85**
- **Exceptional lumen maintenance**
- **Product life 23,000hours – at 12-hour burning cyle with electronic gear**
- **Significantly reduced CO2 emission – 0.5kg/kWh**
- **Short payback – less than a year**
- **Complies with RoHS Directive 2011/65/EU and contains recyclable components**

Energy-saving example: 32W

Annual savings from a typical installation of 1000 lamps used for 4000 hours a year with energy costs of 0,1 €/kW	Regular T8	T8 Watt-Miser
Power at 25°C (W/lamp)	36	32
Annual energy (kWh)	144	128
Annual energy saving (kWh/lamp)	–	16
Annual energy cost saving with WattMiser T8 (€)	1600	
Annual replacement cost saving (€)	356	
CO2 saved in a year (tons)*	6.9	

*CO2 emmission per kWh 0,37 kg which can vary by country.
Best result is achieved with optimal lamp, ballast and fitting combination used at 30°C ambient temperature.

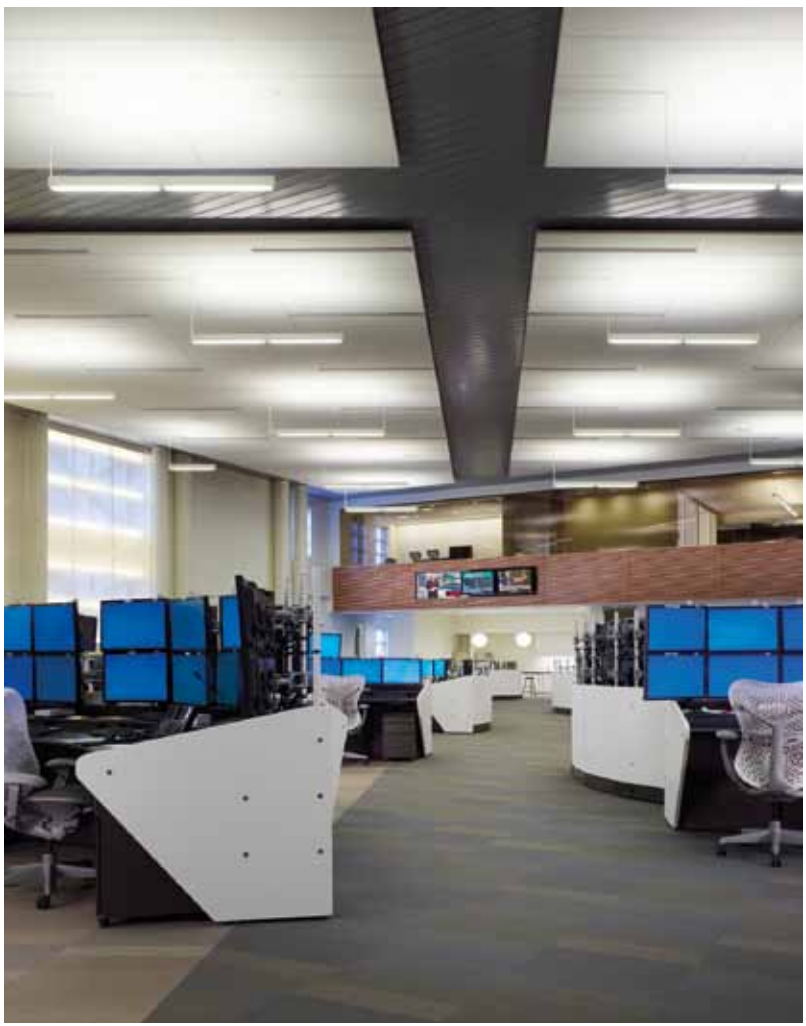
T5&T8 LongLast
For reduced relamping costs

LongLast™

All businesses look to achieve cost reductions, which is why GE's LongLast range has been designed to meet this requirement. Our LongLast lamps offer reliability and an extended service life, without compromising on other key features, such as initial lumen and lumen maintenance. LongLast lamps with extra long relamping cycles are perfect for facilities where lumiaires are hard to reach. LongLast lamps also reduce the total cost of ownership and the environmental footprint of your buildings.

T5LongLast™

- **Very long and reliable product life – up to 36,000 hours at 12-hour burning cycle**
- **Up to 7000 lumens per lamp – same illumination with fewer fittings**
- **High colour quality – CRI 85Ra**
- **High efficiency for ongoing cost savings**
- **Smaller physical dimensions**
- **Complies with RoHS Directive 2011/65/EU and contains recyclable components**



Which to use?

T5 Watt-Miser™ or T5 LongLast™? Here's some help to choose.

	Rated Life 3 hour cycle	Rated Life 12 hour cycle	Energy saving
Regular T5	25,000	28,000	–
GE T5 LongLast™	30,000	30,000 (36,000)	–
GE T5 Watt-Miser™	25,000 (30,000)	25,000 (30,000)	5%



T8LongLast™

- Very long reliable product life - 46,000hrs at 12-hour burning cycle with electronic gear
- Same lumen output as regular T8 and excellent lumen maintenance
- Outstanding coulour rendering - CRI 85Ra
- Can be used on existing control gears and fixtures
- Complies with RoHS Directive 2011/65/EU and contains recyclable components



Linear Fluorescent Lamps

T5 Tubes Long



High Efficiency Watt-Miser™

Wattages: 13-33W
Colours: Warm White to Cool White
CRI (Ra): 85
Rated life: 25,000Hrs

Page III.10



High Output Watt-Miser™

Wattages: 21-76W
Colours: Warm White to Cool White
CRI (Ra): 85
Rated life: 25,000 (30,000) hrs

Page III.10



High Efficiency LongLast™

Wattages: 14-35W
Colours: Extra Warm White to Daylight
CRI (Ra): 85
Rated life: 30,000Hrs

Page III.10



High Output LongLast™

Wattages: 24-80W
Colours: Warm White to Daylight
CRI (Ra): 85
Rated life: 30,000Hrs

Page III.11

T5 Tubes Short



Specfill Triphosphor

Wattages: 6-8W
Colours: Cool White and Daylight
CRI (Ra): 80+
Rated life: 8,000Hrs

Page III.11



Specfill Standard

Wattages: 6-8W
Colours: Cool White and White
CRI (Ra): 54-58
Rated life: 8,000Hrs

Page III.11



Triphosphor

Wattages: 8-13W
Colours: Extra Warm White to Cool White
CRI (Ra): 80+
Rated life: 5,000Hrs

Page III.11



Standard

Wattages: 4-13W
Colours: Warm White to Cool White
CRI (Ra): 51-58
Rated life: 5,000Hrs-6,000Hrs

Page III.11

Circular Tubes

T5 Circline™

Wattages: 22-55W
Colours: Extra Warm White to Daylight
CRI (Ra): 80+
Rated life: 12,000Hrs

Page III.12

Selector

T8 Tubes



Watt-Miser™

Wattages: 16-51W
Colours: Warm White to Daylight
CRI (Ra): 85
Rated life: 15,000Hrs

Page III.12



Polylux XLR™ LongLast™

Wattages: 18-58W
Colours: Warm White and Cool White
CRI (Ra): 85
Rated life: 24,000Hrs

Page III.12



Polylux XLR™

Wattages: 15-70W
Colours: Extra Warm White to Daylight
CRI (Ra): 85
Rated life: 15,000Hrs

Page III.13

Starters



A range of 6 starters in standard (250) or bulk (2000) pack

Page III.13

Where "Rated Life" or "Average Rated Life" is stated, we refer to the industry standard definition of how many hours of operation on standard electromagnetic gear 50% of a given installation will exceed (at 3-hours burning cycle). Rated Average Life for all linear fluorescent products is provided on standard electromagnetic gear except for T5 long tubes and T5 Circline tubes.

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where "Life" or "Average Rated Life" is stated, we refer to the industry standard definition of how many hours of operation on standard electromagnetic gear 50% of a given installation will exceed. Rated Average Life for all linear fluorescent products is provided on standard electromagnetic ballast except for T5 long tubes and T5 Circline tubes.

Additional parameters:

Cap: The type of cap fitted. See the "Cap Drawings" chapter for more information.

Watts:
Energy Used – To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000

Length:
Lamp length in mm

Diameter:
Tube diameter in mm

Product description:
Lamp reference – describes the lamp's main characteristics

Initial Lumen (at 25°C):
Light output after the initial 100 hours of operation

CCT:
Colour temperature – Kelvin (K).
The visual warmth or coolness of the light.
The higher the number the whiter or cooler the light appears

Rated Average Life (3-hr cycle):
The point in time when 50% of installed lamps are still burning

EEC:
Energy Efficiency Class

T5 Watt-Miser™ - High Efficiency, G5 Cap

Wattage [W]	Length [mm]	Diameter [mm]	Product Description	Product Code	Initial Lumen (at 25°C) [lm]	Colour Type	CCT [K]	CRI [Ra]	Rated Average Life (3-hr cycle) [h]	EEC	Pack Qty
13	549	16	**F13W/T5/830/WM**	**88364**	1230	Warm White	3000	85	25,000	A	30
13	549	16	**F13W/T5/840/WM**	**88362**	1230	Cool White	4000	85	25,000	A	30
20	849	16	**F20W/T5/830/WM**	**88360**	1910	Warm White	3000	85	25,000	A	30

F 13W T5 / 830 / WM

- F — Identifies lamp as fluorescent
- 13W — Identifies Lamp's wattage
- T5 — Identifies lamp type
- 830 — **Colour temperature code**
  827=Extra Warm White
  830=Warm White
  835=White
  840=Cool White
  865=Daylight
- WM — Identifies the lamp as Watt-Miser™

Product code:
It is important to use this code when ordering to ensure that you receive the exact product you require

Colour Type:
Extra Warm White
Warm White
White
Natural White
Cool White
Northlight
Daylight

CRI:
Colour rendering index, the higher the number (1-100), the more natural the lit subject appears

Pack quantity:
The number of lamps in one outer case

Wattage [W]	Length [mm]	Diameter [mm]	Product Description	Product Code	Initial Lumen (at 25°C) [lm]	Colour Type	CCT [K]	CRI [Ra]	Rated Average Life (3-hr cycle) [h]	EEC	Pack Qty
T5 Watt-Miser™ - High Efficiency, G5 Cap											
13	549	16	**F13W/T5/830/WM**	**79418**	1230	Warm White	3000	85	25,000	A	30
13	549	16	**F13W/T5/840/WM**	**61080**	1230	Cool White	4000	85	25,000	A	30
20	849	16	**F20W/T5/840/WM**	**61079**	1910	Cool White	4000	85	25,000	A	30
26	1,149	16	**F26W/T5/830/WM**	**97231**	2640	Warm White	3000	85	25,000	A	30
26	1,149	16	**F26W/T5/840/WM**	**61078**	2640	Cool White	4000	85	25,000	A	30
33	1,449	16	**F33W/T5/830/WM**	**79417**	3320	Warm White	3000	85	25,000	A	30
33	1,449	16	**F33W/T5/840/WM**	**61077**	3320	Cool White	4000	85	25,000	A	30
T5 Watt-Miser™ - High Output, G5 Cap											
21	549	16	**F21W/T5/840/WM**	**61076**	1750	Cool White	4000	85	25,000	A	30
36	849	16	**F36W/T5/840/WM**	**61075**	3200	Cool White	4000	85	25,000	A	30
46	1,449	16	**F46W/T5/830/WM**	**97232**	4450	Warm White	3000	85	25,000	A	30
46	1,449	16	**F46W/T5/840/WM**	**61073**	4450	Cool White	4000	85	25,000	A	30
51	1,149	16	**F51W/T5/830/WM**	**97966**	4460	Warm White	3000	85	30,000	A	30
51	1,149	16	**F51W/T5/840/WM**	**61074**	4460	Cool White	4000	85	30,000	A	30
76	1,449	16	**F76W/T5/830/WM**	**97965**	6150	Warm White	3000	85	25,000	A	30
76	1,449	16	**F76W/T5/840/WM**	**61072**	6150	Cool White	4000	85	25,000	A	30
T5 LongLast™ - High Efficiency, G5 Cap											
14	549	16	**F14W/T5/827/LL**	**61086**	1230	Extra Warm White	2700	85	30,000	A	30
14	549	16	**F14W/T5/830/LL**	**61087**	1230	Warm White	3000	85	30,000	A	30
14	549	16	**F14W/T5/835/LL**	**61090**	1230	White	3500	85	30,000	A	30
14	549	16	**F14W/T5/840/LL**	**61091**	1230	Cool White	4000	85	30,000	A	30
14	549	16	**F14W/T5/865/LL**	**61088**	1140	Daylight	6500	85	30,000	A	30
21	849	16	**F21W/T5/827/LL**	**61089**	1910	Extra Warm White	2700	85	30,000	A	30
21	849	16	**F21W/T5/830/LL**	**61092**	1910	Warm White	3000	85	30,000	A	30
21	849	16	**F21W/T5/840/LL**	**61093**	1910	Cool White	4000	85	30,000	A	30
21	849	16	**F21W/T5/865/LL**	**61094**	1770	Daylight	6500	85	30,000	A	30
28	1,149	16	**F28W/T5/827/LL**	**61095**	2640	Extra Warm White	2700	85	30,000	A	30
28	1,149	16	**F28W/T5/830/LL**	**61096**	2640	Warm White	3000	85	30,000	A	30
28	1,149	16	**F28W/T5/840/LL**	**61102**	2640	Cool White	4000	85	30,000	A	30
28	1,149	16	**F28W/T5/865/LL**	**61098**	2450	Daylight	6500	85	30,000	A	30
35	1,449	16	**F35W/T5/827/LL**	**61099**	3320	Extra Warm White	2700	85	30,000	A	30
35	1,449	16	**F35W/T5/830/LL**	**61100**	3320	Warm White	3000	85	30,000	A	30
35	1,449	16	**F35W/T5/835/LL**	**61101**	3320	White	3500	85	30,000	A	30
35	1,449	16	**F35W/T5/840/LL**	**61103**	3320	Cool White	4000	85	30,000	A	30
35	1,449	16	**F35W/T5/865/LL**	**61104**	3090	Daylight	6500	85	30,000	A	30







T5 LongLast™ range was formerly called Starcoat™ range after the GE's T5 coating technology.

Linear Fluorescent Lamps

T5 LongLast™ - High Output, G5 Cap

Wattage [W]	Length [mm]	Diameter [mm]	Product Description	Product Code	Initial Lumen (at 25°C) [lm]	Colour Type	CCT [K]	CRI [Ra]	Rated Average Life (3-hr cycle) [h]	EEC	Pack Qty
24	549	16	**F24W/T5/830/LL**	**61105**	1750	Warm White	3000	85	30,000	A	30
24	549	16	**F24W/T5/835/LL**	**61106**	1750	White	3500	85	30,000	A	30
24	549	16	**F24W/T5/840/LL**	**61097**	1750	Cool White	4000	85	30,000	A	30
24	549	16	**F24W/T5/865/LL**	**61107**	1600	Daylight	6500	85	30,000	A	30
39	849	16	**F39W/T5/830/LL**	**61108**	3200	Warm White	3000	85	30,000	A	30
39	849	16	**F39W/T5/840/LL**	**61109**	3200	Cool White	4000	85	30,000	A	30
49	1,449	16	**F49W/T5/830/LL**	**61119**	4450	Warm White	3000	85	30,000	A	30
49	1,449	16	**F49W/T5/835/LL**	**61121**	4450	White	3500	85	30,000	A	30
49	1,449	16	**F49W/T5/840/LL**	**61122**	4450	Cool White	4000	85	30,000	A	30
49	1,449	16	**F49W/T5/865/LL**	**78707**	4100	Daylight	6500	85	30,000	A	30
54	1,149	16	**F54W/T5/830/LL**	**61110**	4460	Warm White	3000	85	30,000	A	30
54	1,149	16	**F54W/T5/840/LL**	**61111**	4460	Cool White	4000	85	30,000	A	30
54	1,149	16	**F54W/T5/865/LL**	**61118**	4100	Daylight	6500	85	30,000	A	30
80	1,449	16	**F80W/T5/830/LL**	**78708**	6150	Warm White	3000	85	30,000	A	30
80	1,449	16	**F80W/T5/840/LL**	**78709**	6150	Cool White	4000	85	30,000	A	30

T5 LongLast™ range was formerly called Starcoat™ range after the GE's T5 coating technology.

T5 Miniature - Specfill Triphosphor - Emergency Lighting, G5 Cap

6	212	16	**F6W/T5/840/SPECFILL/IND**	**40327**	300	Cool White	4000	80+	8,000	B	100
8	288	16	**F8W/T5/840/SPECFILL/IND**	**40331**	460	Cool White	4000	80+	8,000	A	100
8	288	16	**F8W/T5/865/SPECFILL/IND**	**45034**	430	Daylight	6500	80+	8,000	B	100

T5 Miniature - Specfill Standard - Emergency Lighting, G5 Cap

6	212	16	**F6W/T5/33/SPECFILL/IND**	**40307**	260	Cool White	4040	58	8,000	B	100
8	288	16	**F8W/T5/35/SPECFILL/SL**	**27027**	400	White	3450	54	8,000	B	25
8	288	16	**F8W/T5/35/SPECFILL/IND**	**91451**	400	White	3450	54	8,000	B	100
8	288	16	**F8W/T5/33/SPECFILL/SL**	**27011**	400	Cool White	4040	58	8,000	B	25
8	288	16	**F8W/T5/33/SPECFILL/IND**	**91450**	400	Cool White	4040	58	8,000	B	100

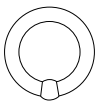
T5 Miniature - Triphosphor, G5 Cap

8	288	16	**F8W/T5/827/IND**	**37008**	460	Extra Warm White	2700	80+	5,000	A	100
8	288	16	**F8W/T5/840/IND**	**37009**	460	Cool White	4000	80+	5,000	A	100
13	517	16	**F13W/T5/827/SL**	**39447**	970	Extra Warm White	2700	80+	5,000	A	25

T5 Miniature - Standard, G5 Cap

4	150.1	16	**F4W/T5/35/SL**	**39446**	130	White	3450	54	5,000	B	25
4	150.1	16	**F4W/T5/33/SL**	**39441**	130	Cool White	4040	58	5,000	B	25
6	226.3	16	**F6W/T5/35/SL**	**39442**	260	White	3450	54	5,000	B	25
6	226.3	16	**F6W/T5/33/SL**	**39445**	260	Cool White	4040	58	5,000	B	25
8	302.5	16	**F8W/T5/29/SL**	**37754**	400	Warm White	2940	51	5,000	B	25
8	302.5	16	**F8W/T5/35/SL**	**37756**	400	White	3450	54	5,000	B	25
8	302.5	16	**F8W/T5/33/SL**	**37755**	400	Cool White	4040	58	5,000	B	25
13	531.1	16	**F13W/T5/29/SL**	**39437**	850	Warm White	2950	51	5,000	B	25
13	531.1	16	**F13W/T5/35/SL**	**39439**	850	White	3450	54	5,000	B	25
13	531.1	16	**F13W/T5/33/SL**	**39440**	850	Cool White	3450	58	5,000	B	25

Wattage [W]	Length [mm]	Diameter [mm]	Product Description	Product Code	Initial Lumen (at 25°C) [lm]	Colour Type	CCT [K]	CRI [Ra]	Rated Average Life (3-hr cycle) [h]	EEC	Pack Qty
T5 Circline™ - 2Gx13 Cap											
22	225	16	**FC22W/T5/827**	**75707**	1900	Extra Warm White	2700	82	12,000	A	10
22	225	16	**FC22W/T5/830**	**75709**	1900	Warm White	3000	82	12,000	A	10
22	225	16	**FC22W/T5/840**	**75720**	1900	Cool White	4000	82	12,000	A	10
22	225	16	**FC22W/T5/865**	**75710**	1800	Daylight	6500	82	12,000	A	10
40	300	16	**FC40W/T5/827**	**75711**	3300	Extra Warm White	2700	82	12,000	A	10
40	300	16	**FC40W/T5/830**	**75712**	3300	Warm White	3000	82	12,000	A	10
40	300	16	**FC40W/T5/840**	**75713**	3300	Cool White	4000	82	12,000	A	10
40	300	16	**FC40W/T5/865**	**75715**	3150	Daylight	6500	82	12,000	B	10
55	300	16	**FC55W/T5/827**	**75716**	4200	Extra Warm White	2700	82	12,000	B	10
55	300	16	**FC55W/T5/830**	**75717**	4200	Warm White	3000	82	12,000	B	10
55	300	16	**FC55W/T5/840**	**75718**	4200	Cool White	4000	82	12,000	B	10
55	300	16	**FC55W/T5/865**	**75719**	3900	Daylight	6500	82	12,000	B	10
T8 Watt-Miser™ - G13 Cap											
16	604	26	**F18/T8/830/16W/WM**	**62524**	1300	Warm White	3000	85	15,000	A	25
16	604	26	**F18/T8/840/16W/WM**	**62525**	1300	Cool White	4000	85	15,000	A	25
16	604	26	**F18/T8/860/16W/WM**	**62526**	1230	Daylight	6400	85	15,000	A	25
32	1,200	26	**F36/T8/830/32W/WM**	**62527**	2750	Warm White	3000	85	15,000	A	25
32	1,200	26	**F36/T8/840/32W/WM**	**62528**	2750	Cool White	4000	85	15,000	A	25
32	1,200	26	**F36/T8/860/32W/WM**	**62529**	2600	Daylight	6400	85	15,000	A	25
51	1,514.2	26	**F58/T8/830/51W/WM**	**73609**	4320	Warm White	3000	85	15,000	A	25
51	1,514.2	26	**F58/T8/840/51W/WM**	**73611**	4320	Cool White	4000	85	15,000	A	25
51	1,514.2	26	**F58/T8/860/51W/WM**	**73613**	4120	Daylight	6400	85	15,000	A	25
T8 Polylux XLR™ LongLast™ - G13 Cap											
18	604	26	**F18/T8/830/LL**	**62567**	1350	Warm White	3000	85	24,000	A	25
18	604	26	**F18/T8/840/LL**	**62566**	1350	Cool White	4000	85	24,000	A	25
36	1,200	26	**F36/T8/830/LL**	**62565**	3350	Warm White	3000	84	24,000	A	25
36	1,200	26	**F36/T8/840/LL**	**62564**	3350	Cool White	4000	84	24,000	A	25
58	1,500	26	**F58/T8/830/LL**	**43510**	5200	Warm White	3000	84	24,000	A	25
58	1,500	26	**F58/T8/840/LL**	**43511**	5200	Cool White	4000	84	24,000	A	25







T8 Polylux XLR™ - G13 Cap

Wattage [W]	Length [mm]	Diameter [mm]	Product Description	Product Code	Initial Lumen (at 25°C) [lm]	Colour Type	CCT [K]	CRI [Ra]	Rated Average Life (3-hr cycle) [h]	EEC	Pack Qty
15	451.6	26	**F15W/T8/830/POLYLUX**	**23248**	950	Warm White	3000	85	15,000	B	25
15	451.6	26	**F15W/T8/835 POLYLUX**	**78133**	950	White	3500	85	15,000	B	25
15	451.6	26	**F15W/T8/840/POLYLUX**	**23249**	950	Cool White	4000	85	15,000	B	25
15	451.6	26	**F15W/T8/860/POLYLUX**	**78131**	900	Daylight	6400	85	15,000	B	25
18	604	26	**F18W/T8/827/POLYLUX**	**62560**	1350	Extra Warm White	2700	85	15,000	A	25
18	604	26	**F18W/T8/830/POLYLUX**	**62559**	1350	Warm White	3000	85	15,000	A	25
18	604	26	**F18W/T8/835/POLYLUX**	**62534**	1350	White	3500	85	15,000	A	25
18	604	26	**F18W/T8/840/POLYLUX**	**62558**	1350	Cool White	4000	85	15,000	A	25
18	604	26	**F18W/T8/860/POLYLUX**	**62557**	1250	Daylight	6400	85	15,000	A	25
30	908.8	26	**F30W/T8/830/POLYLUX**	**18141**	2450	Warm White	3000	85	15,000	A	25
30	908.8	26	**F30W/T8/835/POLYLUX**	**78132**	2450	White	3500	85	15,000	A	25
30	908.8	26	**F30W/T8/840/POLYLUX**	**18142**	2450	Cool White	4000	85	15,000	A	25
30	908.8	26	**F30W/T8/860/POLYLUX**	**12607**	2300	Daylight	6400	85	15,000	B	25
36	1,213.6	26	**F36W/T8/827/POLYLUX**	**62554**	3350	Extra Warm White	2700	85	15,000	A	25
36	1,213.6	26	**F36W/T8/830/POLYLUX**	**62553**	3350	Warm White	3000	85	15,000	A	25
36	1,213.6	26	**F36W/T8/835/POLYLUX**	**62532**	3350	White	3500	85	15,000	A	25
36	1,213.6	26	**F36W/T8/840/POLYLUX**	**62551**	3350	Cool White	4000	85	15,000	A	25
36	1,213.6	26	**F36W/T8/860/POLYLUX**	**62552**	3250	Daylight	6400	85	15,000	A	25
58	1,514.2	26	**F58W/T8/827/POLYLUX**	**93330**	5200	Extra Warm White	2700	85	15,000	A	25
58	1,514.2	26	**F58W/T8/830/POLYLUX**	**93334**	5200	Warm White	3000	85	15,000	A	25
58	1,514.2	26	**F58W/T8/835/POLYLUX**	**93331**	5200	White	3500	85	15,000	A	25
58	1,514.2	26	**F58W/T8/840/POLYLUX**	**93333**	5200	Cool White	4000	85	15,000	A	25
58	1,514.2	26	**F58W/T8/860/POLYLUX**	**12943**	5000	Daylight	6400	85	15,000	A	25
70	1,778	26	**F70W/T8/835/POLYLUX**	**62572**	6000	White	3500	85	15,000	A	25
70	1,778	26	**F70W/T8/840/POLYLUX**	**62573**	6000	Cool White	4000	85	15,000	A	25



Starter

Wattage [W]	Product Description	Product Code	Pack Qty
Single 4-65W	**155/501/4/65W/UNIV/BX**	**36536**	250
Single 4-65W	**155/501/4/65W/UNIV/IND**	**36537**	2000
Series 4-8W, 15-22W	**155/200/4-22W/TANDEM/BX**	**36711**	250
Series 4-8W, 15-22W	**155/200/4-22W/TANDEM/IND**	**36714**	2000
Single 75-125W	**155/800/75-125W/BX**	**37864**	250
Single 75-115W	**155/801/75-115W/BX**	**37975**	250
Single 75-115W	**155/801/75-115W/IND**	**37974**	2000



Brand cross reference

The following pages show GE and alternative brand Order Codes. These cross references are provided as a quick guide and may only represent a near equivalent to other brands. The table contains data from alternative brands' catalogues and website.

GE	OSRAM	PHILIPS	Havells Sylvania
T5 Watt-Miser™ High Efficiency	**Lumilux T5 HE ES**	**Master TL5 HE Eco**	
F13/T5/830/WM	-	13W/830	-
F13/T5/840/WM	13W/840	13W/840	-
F20/T5/840/WM	-	-	-
F26/T5/830/WM	25W/830	25W/830	-
F26/T5/840/WM	25W/840	25W/840	-
F33/T5/830/WM	32W/830	32W/830	-
F33/T5/840/WM	32W/840	32W/840	-
T5 Watt-Miser™ High Output	**Lumilux T5 HO ES**	**Master TL5 HO Eco**	
F21/T5/840/WM	-	-	-
F36/T5/840/WM	-	-	-
F46/T5/830/WM	45W/830	45W/830	-
F46/T5/840/WM	45W/840	45W/840	-
F51/T5/830/WM	50W/830	50W/830	-
F51/T5/840/WM	50W/840	50W/840	-
F76/T5/830/WM	73W/830	73W/830	-
F76/T5/840/WM	73W/840	73W/840	-
T5 LongLast™ High Efficiency	**Lumilux T5 HE**	**Master TL5 HE**	**T5 Luxline Plus FHE**
F14W/T5/827/LL	FH14W/827HE	14W/827	FHE14W/827
F14W/T5/830/LL	FH14W/830HE	14W/830	FHE14W/830
F14W/T5/835/LL	FH 14W/835HE	-	FHE14W/835
F14W/T5/840/LL	FH14W/840HE	14W/840	FHE14W/840
F14W/T5/865/LL	FH14W/865HE	14W/865	FHE14W/860
F21W/T5/827/LL	FH21W/827HE	21W/827	FHE21W/827
F21W/T5/830/LL	FH21W/830HE	21W/830	FHE21W/830
F21W/T5/840/LL	FH21W/840HE	21W/840	FHE21W/840
F21W/T5/865/LL	FH21W/865HE	21W/865	FHE21W/860
F28W/T5/827/LL	FH28W/827HE	28W/827	FHE28W/827
F28W/T5/830/LL	FH28W/830HE	28W/830	FHE28W/830
F28W/T5/840/LL	FH28W/840HE	28W/840	FHE28W/840
F28W/T5/865/LL	FH28W/865HE	28W/865	FHE28W/860
F35W/T5/827/LL	FH35W/827HE	35W/827	FHE35W/827
F35W/T5/830/LL	FH35W/830HE	35W/830	FHE35W/830
F35W/T5/835/LL	FH35W/835HE	-	FHE35W/835
F35W/T5/840/LL	FH35W/840HE	35W/840	FHE35W/840
F35W/T5/865/LL	FH35W/865HE	35W/865	FHE35W/860
T5 LongLast™ High Output	**Lumilux T5 HO**	**Master TL5 HO**	**T5 Luxline Plus FHO**
F24W/T5/830/LL	FH24W/830HO	24W/830	FHO24W/830
F24W/T5/835/LL	FH24W/835HO	-	FHO24W/835
F24W/T5/840/LL	FH24W/840HO	24W/840	FHO24W/840
F24W/T5/865/LL	FH24W/865HO	24W/865	FHO24W/860
F39W/T5/830/LL	FH39W/830HO	39W/830	FHO39W/830
F39W/T5/840/LL	FH39W/840HO	39W/840	FHO39W/840
F49W/T5/830/LL	FH49W/830HO	49W/830	FHO49W/830
F49W/T5/835/LL	-	-	FHO49W/835
F49W/T5/840/LL	FH49W/840HO	49W/840	FHO49W/840
F49W/T5/865/LL	FH49W/885HO	49W/865	FHO49W/860
F54W/T5/830/LL	-	54W/830	FHO54W/830
F54W/T5/840/LL	FH54W/840HO	54W/840	FHO54W/840
F54W/T5/865/LL	FH54W/865HO	54W/865	FHO54W/860
F80W/T5/830/LL	FH80W/830HO	80W/830	FHO80W/830
F80W/T5/840/LL	FH80W/840HO	80W/840	FHO80W/840

Linear Fluorescent Lamps

GE	OSRAM	PHILIPS	Havells Sylvania
T5 Miniature Standard	**Energy Saver (Basic) T5 short**	**TL Mini**	**T5 Standard**
F4W/T5/35	-	-	F4W/135
F4W/T5/33	L4W/640	4W/33-640	F4W/133
F6W/T5/35	-	-	F6W/135
F6W/T5/33	L6W/640	6W/33-640	F6W/133
F8W/T5/29	-	-	F8W/129
F8W/T5/35	L8W/535	-	F8W/135
F8W/T5/33	L8W/640	8W/33-640	F8W/133
F13W/T5/29	-	-	F13W/129
F13W/T5/35	-	-	F13W/135
F13W/T5/33	L13W/640	13W/33-640	F13W/133
T5 Miniature Triphosphore	**Lumilux T5 short**	**Master TL Mini Super**	**T5 Luxline Plus**
F8W/T5/827	L8W/827	8W/827	-
F8W/T5/840	L8W/840	8W/840	F8W/840
F13W/T5/827	L13W/840	13W/840	-
T5 Miniature Specfill Standard - Emergency Lighting	**Emergency Lighting (Basic) T5 short**	**-**	**T5 Emergency**
F6W/T5/33/SPECFILL	L6W/640	-	F6W/133 Emergency
F8W/T5/35/SPECFILL	-	-	-
F8W/T5/33/SPECFILL	L8W/640	-	F8W/133 Emergency
T5 Miniature Specfill Triphosphore - Emergency Lighting	**-**	**-**	**T5 Emergency**
F6W/T5/840/SPECFILL	-	-	-
F8W/T5/840/SPECFILL	-	-	F8W/1840 Emergency
F8W/T5/865/SPECFILL	-	-	-
T5 Circline™	**Lumilux T5 FC**	**Master TL5 Circular**	
FC22W/T5/827	FC22W/827	22W/827	
FC22W/T5/830	FC22W/830	22W/830	-
FC22W/T5/840	FC22W/840	22W/840	-
FC22W/T5/865	FC22W/865	-	
FC40W/T5/827	FC40W/827	40W/827	.
FC40W/T5/830	FC40W/830	40W/830	-
FC40W/T5/840	FC40W/840	40W/840	-
FC40W/T5/865	FC40W/865	-	
FC55W/T5/827	FC55W/827	-	
FC55W/T5/830	FC55W/830	55W/830	-
FC55W/T5/840	FC55W/840	55W/840	-
FC55W/T5/865	FC55W/865	-	
T8 Watt-Miser™	**Lumilux T8 ES**	**Master TL-D Eco**	**T8 Luxline Eco**
F16W/T8/830/WM	16W/830	16W/830	F16W/830
F16W/T8/840/WM	16W/840	16W/840	F16W/840
F16W/T8/860/WM	-	16W/865	-
F32W/T8/830/WM	32W/830	32W/830	F32W/830
F32W/T8/840/WM	32W/840	32W/840	F32W/840
F32W/T8/860/WM	-	32W/865	F32W/865
F51W/T8/830/WM	51W/830	51W/830	F51W/830
F51W/T8/840/WM	51W/840	51W/840	F51W/840
F51W/T8/860/WM	-	51W/865	F51W/865
T8 Polylux XLR™ LongLast™	**Lumilux XT T8**	**Master TL-D Xtra**	**-**
F18W/T8/830/POLYLUX/LL	L18W/830XT	18W/830	-
F18W/T8/840/POLYLUX/LL	L18W/840XT	18W/840	-
F36W/T8/830/POLYLUX/LL	L36W/830XT	36W/830	-
F36W/T8/840/POLYLUX/LL	L36W/840XT	36W/840	-
F58W/T8/830/POLYLUX/LL	L58W/830XT	58W/830	-
F58W/T8/840/POLYLUX/LL	L58W/840XT	58W/840	-

Brand cross reference

GE	OSRAM	PHILIPS	Havells Sylvania
T8 Polylux XLR™	Lumilux T8	Master TL-D Super 80	T8 Luxline Plus
F15W/T8/830/POLYLUX	L15W/830	15W/830	F15W/830
FF15W/T8/835 POLYLUX	-	-	F15W/835
F15W/T8/840/POLYLUX	L15W/840	15W/840	F15W/840
F15W/T8/860/POLYLUX	L15W/860	15W/865	F15W/865
F18W/T8/827/POLYLUX	L18W/827	18W/827	F18W/827
F18W/T8/830/POLYLUX	L18W/830	18W/830	F18W/830
F18W/T8/835/POLYLUX	L18W/835	18W/835	F18W/835
F18W/T8/840/POLYLUX	L18W/840	18W/840	F18W/840
F18W/T8/860/POLYLUX	L18W/865	18W/865	F18W/865
F30W/T8/830/POLYLUX	L30W/830	30W/830	F30W/830
F30W/T8/835/POLYLUX	-	30W/835	F30W/835
F30W/T8/840/POLYLUX	L30W/840	30W/840	F30W/840
F30W/T8/860/POLYLUX	L30W/865	30W/865	F30W/865
F36W/T8/827/POLYLUX	L36W/827	36W/827	F36W/827
F36W/T8/830/POLYLUX	L36W/830	36W/830	F36W/830
F36W/T8/835/POLYLUX	L36W/835	36W/835	F36W/835
F36W/T8/840/POLYLUX	L36W/840	36W/840	F36W/840
F36W/T8/860/POLYLUX	L36W/865	36W/865	F36W/865
F58W/T8/827/POLYLUX	L58W/827	58W/827	F58W/827
F58W/T8/830/POLYLUX	L58W/830	58W/830	F58W/830
F58W/T8/835/POLYLUX	L58W/835	58W/835	F58W/835
F58W/T8/840/POLYLUX	L58W/840	58W/840	F58W/840
F58W/T8/860/POLYLUX	L58W/865	58W/865	F58W/860
F70W/T8/835/POLYLUX	L70W/835	70W/835	F70W/840
F70W/T8/840/POLYLUX	L70W/840	70W/840	-

Compact Fluorescent Lamps Non-Integrated



The smart way to reduce costs

Extra energy saving	up to 12% with WattMiser™ lamps compared to regular plug-in lamps
Up to 20,000 hours	of extended service life with LongLast™ lamps
Wide range	of colour and wattage (2700-6500K, 5-70W)
Dimmability	for additional cost savings
Motion detection	available with selected drivers
Extra low	relamping cost with LongLast™ lamps

Office

Industrial



Biax™ D/T/Q/L LongLast™
for reduced relamping costs

GE Lighting's compact fluorescent LongLast™ lamps provide increased service life, which significantly reduces replacement and maintenance costs.

They are compact energy saving fluorescent lamps with double, triple and quad tube designs providing an ideal light source for small fixtures and downlighters.

GE Biax™ T and Biax™ Q LongLast™ guarantees the same light output in any burning position. It can be used in both closed luminaires and outdoor applications without significant light loss due to GE Amalgam technology providing stable lumen performance within a wide colour temperature range.



LongLast™

- **Retrofit – can be used with existing fittings and control gears***
- **Reduces replacement and maintenance costs**
- **Further energy saving with dimming possibilities**
- **Available in warm to cool colour temperatures (2700 – 6500K)**

*Recommended control gear list available in the data sheets (www.gelighting.com/eu)



2D™ Watt-Miser™
for reduced electricity bills

GE 2D™ Watt-Miser™ lamps are energy saving compact fluorescent tubes formed into a '2D' shape. All types are available with a 4-pin cap which allows the lamps to be used with conventional or electronic control gears, dimming and emergency lighting circuits.

The lamps offer additional energy savings, even when used with standard control gear, and deliver market leading life performance and remarkable energy saving performance that is unique to GE Lighting.



2DWattMiser™

- **Direct replacements for 16-21-28-38W standard 2D™ lamps**
- **Unique shape suitable for broad range of applications**
- **Interchangeable – can be used with existing fittings and control gear**
- **Very good for circular light distribution**
- **5-12% extra energy saving compared to conventional plug-in lamps**
- **The only 'A' class energy 2D™ lamp on the market**





Selector

Biax™ S



Biax™ S - 2pin

Cap: G23
Wattages: 5-7-9-11W
Colours: 2700 - 6500K
Rated life: 10,000Hrs

Page IV.6

Biax™ S/E - 4pin

Cap: 2G7
Wattages: 5-7-9-11W
Colours: 2700 - 6500K
Rated life: 10,000Hrs
11W version available in Red/Green/Blue colours.

Page IV.6

Biax™ D



Biax™ D - 2pin

Cap: G24d
Wattages: 10-13-18-26W
Colours: 2700 - 6500K
Rated life: 12,000Hrs

LongLast™ Page IV.6-7



Biax™ D/E - 4pin

Cap: G24q
Wattage: 10-13-18-26W
Colors: 2700 - 6500K
Rated life: 12,000Hrs

LongLast™ Page IV.7

Biax™ T



Biax™ T - 2pin

Cap: GX24d
Wattages: 13-18-26W
Colours: 2700 - 4000K
Rated life: 12,000Hrs

LongLast™ Page IV.7



Biax™ T/E - 4pin

Cap: GX24q
Wattages: 13-18-26-32-42W
Colours: 2700 - 4000K
Rated life: 12,000 -20,000Hrs

LongLast™ Page IV.7-8

Biax™ Q



Biax™ Q/E - 4pin

Cap: GX24q
Wattages: 57-70W
Colours: 2700 - 4000K
Rated life: 20,000Hrs

LongLast™ Page IV.8

Biax™ L



Biax™ L - 4pin

Cap: 2G11
Wattages: 18-55W
Colours: 2700 - 6500K
Rated life: 8,000 - 22,500Hrs

LongLast™* Page IV.8

2D™



2D™

Cap: GR8, GR10q
Wattages: 16-38W
Colours: 2700 - 6000K
Rated life: 12,000 - 15,000Hrs

WattMiser™ Page IV.9



Biax 2D™

Cap: GR10q, GR10q-3
Wattages: 10-55W
Colours: 2700 - 3500K
Rated life: 8,000 - 10,000Hrs

Page IV.9



Biax™ 2D™ Intergral

Cap: GRZ10d
Wattages: 18W
Colours: 2700 - 4000K
Rated life: 10,000Hrs

WattMiser™ Page IV.9

*the 40-55W versions are LongLast types

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where Rated Life is stated we refer to the industry standard definition of how many hours of operation 50% of a given installation will exceed.
All Biax™ CFL lamps are manufactured with the high quality Polylux triphosphor technology.

Watts:
Energy Used – Nominal Watts. To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000

Volts:
Lamp data is based on operation at rated voltage

Cap:
The type of cap fitted. See page 148-149 for cap drawings

Product description:
The lamp's identification code

Lumens:
Light output after the initial 100 hours of operation

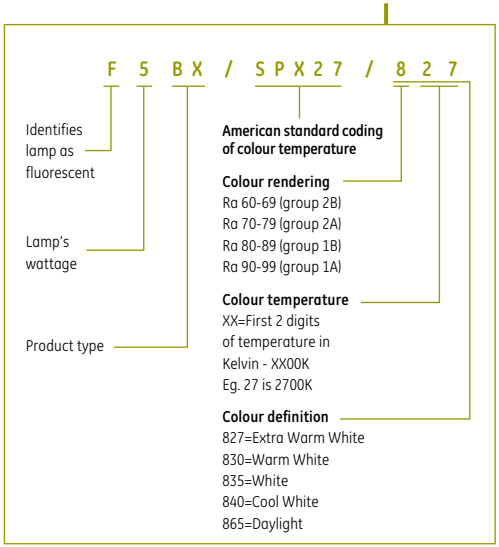
CRI:
Colour rendering index, the higher the number (1-100), the more natural the lit subject appears

Diameter:
Bulb diameter in mm

EEC:
Energy Efficiency Class

Biax™ S 2-pin, Internal Starter

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
5	35	G23	**F5BX/SPX27/827**	**37654**	265	2700	82	10,000	32	107.5	A	10
5	35	G23	**F5BX/SPX41/840**	**37661**	265	4000	82	10,000	32	107.5	A	10
7	47	G23	**F7BX/SPX27/827**	**37846**	425	2700	82	10,000	32	136.5	A	10



CCT:
Colour temperature – Kelvin [K]. The visual warmth or coolness of the light. The higher the number the whiter or cooler the light appears

Length:
Total length including the length of the pin in mm

Product code:
It is important to use this code when ordering to ensure that you receive the exact product you require

Rated Life:
The point in time when 50% of installed lamps are still burning with 3h cycling. With HF gear used with 12h cycling.

Pack quantity:
Number of product units packed in a case

Biax™ S 2-pin, Internal Starter

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
5	35	G23	**F5BX/SPX27/827**	**37654**	265	2700	82	10,000	32	107.5	B	10
5	35	G23	**F5BX/SPX41/840**	**37661**	265	4000	82	10,000	32	107.5	B	10
7	47	G23	**F7BX/SPX27/827**	**37846**	425	2700	82	10,000	32	136.5	A	10
7	47	G23	**F7BX/830**	**38930**	425	3000	82	10,000	32	136.5	A	10
7	47	G23	**F7BX/SPX35/835**	**37659**	425	3500	82	10,000	32	136.5	A	10
7	47	G23	**F7BX/SPX41/840**	**37660**	425	4000	82	10,000	32	136.5	A	10
7	47	G23	**F7BX/865**	**38984**	425	6500	82	10,000	32	136.5	A	10
9	60	G23	**F9BX/827**	**37651**	600	2700	82	10,000	32	167	A	10
9	60	G23	**F9BX/830**	**38929**	600	3000	82	10,000	32	167	A	10
9	60	G23	**F9BX/SPX35/835**	**37652**	600	3500	82	10,000	32	167	A	10
9	60	G23	**F9BX/SPX41/840**	**37653**	600	4000	82	10,000	32	167	A	10
9	60	G23	**F9BX/865**	**38985**	600	6500	82	10,000	32	167	A	10
11	91	G23	**F11BX/827**	**37663**	900	2700	82	10,000	32	237	A	10
11	91	G23	**F11BX/830**	**38928**	900	3000	82	10,000	32	237	A	10
11	91	G23	**F11BX/835**	**37666**	900	3500	82	10,000	32	237	A	10
11	91	G23	**F11BX/840**	**37664**	900	4000	82	10,000	32	237	A	10
11	91	G23	**F11BX/865**	**38986**	900	6500	82	10,000	32	237	A	10



Biax™ S/E 4-pin, External Starter Required

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
5	35	2G7	**F5BX/827/4P**	**37714**	265	2700	82	10,000	37.5	92	B	10
5	35	2G7	**F5BX/840/4P**	**37715**	265	4000	82	10,000	37.5	92	B	10
7	47	2G7	**F7BX/827/4P**	**37658**	425	2700	82	10,000	37.5	121	A	10
7	47	2G7	**F7BX/840/4P**	**37716**	425	4000	82	10,000	37.5	121	A	10
9	60	2G7	**F9BX/827/4P**	**37710**	600	2700	82	10,000	37.5	151	A	10
9	60	2G7	**F9BX/830/4P**	**97925**	600	3000	82	10,000	37.5	151	A	10
9	60	2G7	**F9BX/840/4P**	**37711**	600	4000	82	10,000	37.5	151	A	10
11	91	2G7	**F11BX/827/4P**	**37717**	900	2700	82	10,000	37.5	222	A	10
11	91	2G7	**F11BX/830/4P**	**97926**	900	3000	82	10,000	37.5	222	A	10
11	91	2G7	**F11BX/840/4P**	**37713**	900	4000	82	10,000	37.5	222	A	10
11	91	2G7	**F11BX/865/4P**	**12603**	900	6500	82	10,000	37.5	222	A	10
11	91	2G7	**F11BX/GREEN/2G7 GE**	**98311**	1200	GREEN	N/A	10,000	37.5	222	N/A	10
11	91	2G7	**F11BX/BLUE/2G7 GE**	**98313**	250	BLUE	N/A	10,000	37.5	222	N/A	10
11	91	2G7	**F11BX/RED/2G7 GE**	**98314**	600	RED	N/A	10,000	37.5	222	N/A	10



Biax™ D 2-pin, Internal Starter

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
10	64	G24D-1	**F10DBX/T3/827/2P**	**78211**	600	2700	82	12,000	34.4	108	B	10
10	64	G24D-1	**F10DBX/T3/830/2P**	**78212**	600	3000	82	12,000	34.4	108	B	10
10	64	G24D-1	**F10DBX/T3/835/2P**	**78213**	600	3500	82	12,000	34.4	108	B	10
10	64	G24D-1	**F10DBX/T3/840/2P**	**78214**	600	4000	82	12,000	34.4	108	B	10
10	64	G24D-1	**F10DBX/T3/865/2P**	**78215**	600	6500	82	12,000	34.4	108	B	10
13	91	G24D-1	**F13DBX/T3/827/2P**	**78221**	900	2700	82	12,000	34.4	139	A	10
13	91	G24D-1	**F13DBX/T3/830/2P**	**78222**	900	3000	82	12,000	34.4	139	A	10
13	91	G24D-1	**F13DBX/T3/835/2P**	**78223**	900	3500	82	12,000	34.4	139	A	10
13	91	G24D-1	**F13DBX/T3/840/2P**	**78224**	900	4000	82	12,000	34.4	139	A	10
13	91	G24D-1	**F13DBX/T3/865/2P**	**78225**	900	6500	82	12,000	34.4	139	A	10
18	100	G24d-2	**F18DBXT4/SPX27/827**	**12860**	1200	2700	82	12,000	34.4	154	B	10
18	100	G24d-2	**F18DBXT4/SPX30/830**	**12861**	1200	3000	82	12,000	34.4	154	B	10
18	100	G24d-2	**F18DBXT4/SPX35/835**	**12863**	1200	3500	82	12,000	34.4	154	B	10
18	100	G24d-2	**F18DBXT4/SPX41/840**	**12864**	1200	4000	82	12,000	34.4	154	B	10
18	100	G24d-2	**F18DBXT4/SPX65/865**	**13017**	1200	6500	82	12,000	34.4	154	B	10
26	105	G24d-3	**F26DBXT4/SPX27/827**	**35250**	1800	2700	82	12,000	34.4	169.5	B	10
26	105	G24d-3	**F26DBXT4/SPX30/830**	**35237**	1800	3000	82	12,000	34.4	169.5	B	10
26	105	G24d-3	**F26DBXT4/SPX35/835**	**35251**	1800	3500	82	12,000	34.4	169.5	B	10





Compact Fluorescent Lamps Non-Integrated

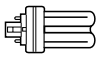
Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
Biax™ D 2-pin, Internal Starter												
26	105	G24d-3	**F26DBXT4/SPX41/840**	**35252**	1800	4000	82	12,000	34.4	169.5	B	10
26	105	G24d-3	**F26DBXT4/SPX65/865**	**35305**	1710	6500	82	12,000	34.4	169.5	B	10
Biax™ D/E LongLast™ 4-pin, External Starter Required												
10	64	G24q-1	**F10DBX/T3/827/4P**	**78217**	600	2700	82	12,000	34.4	100.5	B	10
10	64	G24q-1	**F10DBX/T3/830/4P**	**78218**	600	3000	82	12,000	34.4	100.5	B	10
10	64	G24q-1	**F10DBX/T3/835/4P**	**78219**	600	3500	82	12,000	34.4	100.5	B	10
10	64	G24q-1	**F10DBX/T3/840/4P**	**78220**	600	4000	82	12,000	34.4	100.5	B	10
10	64	G24q-1	**F10DBX/T3/865/4P**	**78231**	600	6500	82	12,000	34.4	100.5	B	10
13	91	G24q-1	**F13DBX/T3/827/4P**	**78226**	900	2700	82	12,000	34.4	131.5	A	10
13	91	G24q-1	**F13DBX/T3/830/4P**	**78227**	900	3000	82	12,000	34.4	131.5	A	10
13	91	G24q-1	**F13DBX/T3/835/4P**	**78228**	900	3500	82	12,000	34.4	131.5	A	10
13	91	G24q-1	**F13DBX/T3/840/4P**	**78229**	900	4000	82	12,000	34.4	131.5	A	10
13	91	G24q-1	**F13DBX/T3/865/4P**	**78232**	900	6500	82	12,000	34.4	131.5	A	10
18	100	G24q-2	**F18DBX/SPX27/827/4P**	**12865**	1200	2700	82	12,000	34.4	146.5	B	10
18	100	G24q-2	**F18DBX/SPX30/830/4P**	**12866**	1200	3000	82	12,000	34.4	146.5	B	10
18	100	G24q-2	**F18DBX/SPX35/835/4P**	**12869**	1200	3500	82	12,000	34.4	146.5	B	10
18	100	G24q-2	**F18DBX/SPX41/840/4P**	**12870**	1200	4000	82	12,000	34.4	146.5	B	10
26	105	G24q-3	**F26DBX/SPX27/827/4P**	**35247**	1800	2700	82	12,000	34.4	162	B	10
26	105	G24q-3	**F26DBX/SPX30/830/4P**	**35235**	1800	3000	82	12,000	34.4	162	B	10
26	105	G24q-3	**F26DBX/SPX35/835/4P**	**35248**	1800	3500	82	12,000	34.4	162	B	10
26	105	G24q-3	**F26DBX/SPX41/840/4P**	**35236**	1800	4000	82	12,000	34.4	162	B	10
26	105	G24q-3	**F26DBX/SPX65/865/4P**	**42798**	1710	6500	82	12,000	34.4	162	B	10
Biax™ T 2-pin with Amalgam, Internal Starter												
13	91	GX24d-1	**F13TBX/827/A/2P**	**35940**	900	2700	82	12,000	49.3	112.9	A	10
13	91	GX24d-1	**F13TBX/SPX30/830/A/2P**	**35966**	900	3000	82	12,000	49.3	112.9	A	10
13	91	GX24d-1	**F13TBX/SPX41/A/2P**	**35941**	900	4000	82	12,000	49.3	112.9	A	10
18	100	GX24d-2	**F18TBX/SPX27/827/A/2P**	**35945**	1200	2700	82	12,000	49.3	127.4	B	10
18	100	GX24d-2	**F18TBX/SPX30/830/A/2P**	**35944**	1200	3000	82	12,000	49.3	127.4	B	10
18	100	GX24d-2	**F18TBX/SPX35/835/A/2P**	**35937**	1200	3500	82	12,000	49.3	127.4	B	10
18	100	GX24d-2	**F18TBX/SPX41/840/A/2P**	**35939**	1200	4000	82	12,000	49.3	127.4	B	10
26	105	GX24d-3	**F26TBX/SPX27/827/A/2P**	**35959**	1800	2700	82	12,000	49.3	139.9	B	10
26	105	GX24d-3	**F26TBX/SPX30/830/A/2P**	**35952**	1800	3000	82	12,000	49.3	139.9	B	10
26	105	GX24d-3	**F26TBX/SPX35/835/A/2P**	**35963**	1800	3500	82	12,000	49.3	139.9	B	10
26	105	GX24d-3	**F26TBX/SPX41/840/A/2P**	**35964**	1800	4000	82	12,000	49.3	139.9	B	10
Biax™ T/E LongLast™ 4-pin with Amalgam, External Starter Required												
13	91	GX24q-1	**F13TBX/SPX27/827/A/4P**	**34391**	900	2700	82	12,000	49.3	106.2	A	10
13	91	GX24q-1	**F13TBX/SPX30/830/A/4P**	**34395**	900	3000	82	12,000	49.3	106.2	A	10
13	91	GX24q-1	**F13TBX/SPX35/835/A/4P**	**34400**	900	3500	82	12,000	49.3	106.2	A	10
13	91	GX24q-1	**F13TBX/SPX41/840/A/4P**	**34387**	900	4000	82	12,000	49.3	106.2	A	10
18	100	GX24q-2	**F18TBX/SPX27/827/A/4P**	**34392**	1200	2700	82	12,000	49.3	120.7	B	10
18	100	GX24q-2	**F18TBX/SPX30/830/A/4P**	**34396**	1200	3000	82	12,000	49.3	120.7	B	10
18	100	GX24q-2	**F18TBX/SPX35/835/A/4P**	**34405**	1200	3500	82	12,000	49.3	120.7	B	10
18	100	GX24q-2	**F18TBX/SPX41/840/A/4P**	**34385**	1200	4000	82	12,000	49.3	120.7	B	10
26	105	GX24q-3	**F26TBX/SPX27/827/A/4P**	**34393**	1800	2700	82	12,000	49.3	133.2	B	10
26	105	GX24q-3	**F26TBX/SPX30/830/A/4P**	**34397**	1800	3000	82	12,000	49.3	133.2	B	10
26	105	GX24q-3	**F26TBX/SPX35/835/A/4P**	**34406**	1800	3500	82	12,000	49.3	133.2	B	10
26	105	GX24q-3	**F26TBX/SPX41/840/A/4P**	**34381**	1800	4000	82	12,000	49.3	133.2	B	10



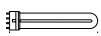




Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
Biax™ T/E LongLast™ 4-pin with Amalgam, External Starter Required with HF gear*												
32	100	GX24q-3	**F32TBX/SPX27/827/AP4P**	**39377**	2400	2700	82	20,000	49.3	141.2	B	10
32	100	GX24q-3	**F32TBX/SPX30/830/AP4P**	**39378**	2400	3000	82	20,000	49.3	141.2	B	10
32	100	GX24q-3	**F32TBX/SPX35/835/A/4P**	**39379**	2400	3500	82	20,000	49.3	141.2	B	10
32	100	GX24q-3	**F32TBX/SPX41/840/A/4P**	**39380**	2400	4000	82	20,000	49.3	141.2	B	10
42	135	GX24q-4	**F42TBX/827/A/4P**	**46312**	3200	2700	82	12,000	49.3	163.2	B	10
42	135	GX24q-4	**F42TBX/830/A/4P**	**46313**	3200	3000	82	12,000	49.3	163.2	B	10
42	135	GX24q-4	**F42TBX/835/A/4P**	**46314**	3200	3500	82	12,000	49.3	163.2	B	10
42	135	GX24q-4	**F42TBX/841/A/4P**	**46315**	3200	4000	82	12,000	49.3	163.2	B	10
Biax™ Q/E LongLast™ 4-pin with Amalgam, External Starter Required with HF gear*												
57	175	GX24q-5	**F57QBX/827/A/4P/LL**	**45213**	4300	2700	82	20,000	58.3	180.7	B	10
57	175	GX24q-5	**F57QBX/830/A/4P/LL**	**45204**	4300	3000	82	20,000	58.3	180.7	B	10
57	175	GX24q-5	**F57QBX/835/A/4P/LL**	**45202**	4300	3500	82	20,000	58.3	180.7	B	10
57	175	GX24q-5	**F57QBX/840/A/4P/LL**	**45201**	4300	4000	82	20,000	58.3	180.7	B	10
70	219	GX24q-6	**F70QBX/830/A/4P/LL**	**45208**	5200	3000	82	20,000	58.3	208.2	B	10
70	219	GX24q-6	**F70QBX/835/A/4P/LL**	**45219**	5200	3500	82	20,000	58.3	208.2	B	10
70	219	GX24q-6	**F70QBX/840/A/4P/LL**	**45218**	5200	4000	82	20,000	58.3	208.2	B	10
Biax™L LongLast™4-pin, External Starter Required with HF gear*												
40	126	2G11	**F40BX/830**	**41171**	3500	3000	82	22,500	43.8	538.8	A	25
40	126	2G11	**F40BX/835**	**41172**	3500	3500	82	22,500	43.8	538.8	A	25
40	126	2G11	**F40BX/840**	**41173**	3500	4000	82	22,500	43.8	538.8	A	25
55	101	2G11	**F55BX/830**	**41174**	4800	3000	82	22,500	43.8	538.8	A	25
55	101	2G11	**F55BX/835**	**41260**	4800	3500	82	22,500	43.8	538.8	A	25
55	101	2G11	**F55BX/840**	**41298**	4800	4000	82	22,500	43.8	538.8	A	25
55	101	2G11	**F55BX/865**	**75695**	4550	6500	82	22,500	43.8	538.8	B	25
Biax™ L 4-pin, External Starter Required												
18	58	2G11	**F18BX/827**	**41087**	1250	2700	82	8,000	43.8	231.3	B	25
18	58	2G11	**F18BX/830**	**41088**	1250	3000	82	8,000	43.8	231.3	B	25
18	58	2G11	**F18BX/835**	**41089**	1250	3500	82	8,000	43.8	231.3	B	25
18	58	2G11	**F18BX/840**	**41090**	1250	4000	82	8,000	43.8	231.3	B	25
24	87	2G11	**F24BX/827**	**41128**	1800	2700	82	8,000	43.8	326.8	B	25
24	87	2G11	**F24BX/830**	**41134**	1800	3000	82	8,000	43.8	326.8	B	25
24	87	2G11	**F24BX/835**	**41145**	1800	3500	82	8,000	43.8	326.8	B	25
24	87	2G11	**F24BX/840**	**41155**	1800	4000	82	8,000	43.8	326.8	B	25
34	120	2G11	**F34BX/830**	**41163**	2800	3000	82	10,000	43.8	538.8	A	25
34	120	2G11	**F34BX/835**	**41166**	2800	3500	82	10,000	43.8	538.8	A	25
34	120	2G11	**F34BX/840**	**41167**	2800	4000	82	10,000	43.8	538.8	A	25
36	106	2G11	**F36BX/827**	**41307**	2900	2700	82	10,000	43.8	421.8	A	25
36	106	2G11	**F36BX/830**	**41168**	2900	3000	82	10,000	43.8	421.8	A	25
36	106	2G11	**F36BX/835**	**41169**	2900	3500	82	10,000	43.8	421.8	A	25
36	106	2G11	**F36BX/840**	**41170**	2900	4000	82	10,000	43.8	421.8	A	25
36	106	2G11	**F36BX/865**	**75694**	2750	6500	82	10,000	43.8	421.8	B	25









*Life test: If HF gear used with 12h cycling, otherwise with 3h cycling.

Compact Fluorescent Lamps Non-Integrated

2D™ Watt-Miser™



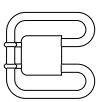
Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
16	103	GR8	**F162D/827**	**41744**	1100	2700	82	12,000	138	142	A	20
16	103	GR8	**F162D/835**	**41745**	1100	3500	82	12,000	138	142	A	20
16	103	GR10q	**F162D/827/4P**	**41746**	1100	2700	82	12,000	138	142	A	20
16	103	GR10q	**F162D/830/4P**	**75066**	1100	3000	82	12,000	138	142	A	20
16	103	GR10q	**F162D/835/4P**	**41747**	1100	3500	82	12,000	138	142	A	20
16	103	GR8	**F162D/860**	**41749**	1050	6000	82	12,000	138	142	B	20
21	103	GR10q	**F212D/827/4P**	**41794**	1375	2700	82	12,000	138	142	B	20
21	103	GR10q	**F212D/835/4P**	**41806**	1375	3500	82	12,000	138	142	B	20
21	103	GR10q	**F212D/860/4P**	**41808**	1305	6000	82	12,000	138	142	B	20
28	108	GR8	**F282DT5/827/2P**	**10546**	2150	2700	82	15,000	202	204	A	20
28	108	GR10q	**F282DT5/827/4P**	**10547**	2150	2700	82	15,000	202	204	A	20
28	108	GR10q	**F282DT5/830/4P**	**75068**	2150	3000	82	15000	202	204	A	20
28	108	GR10q	**F282DT5/835/4P**	**10567**	2150	3500	82	15,000	202	204	A	20
28	108	GR10q	**F282DT5/840/4P**	**10548**	2150	4000	82	15,000	202	204	A	20
38	110	GR10q	**F382DT5/827/4P**	**10550**	3020	2700	82	15000	202	204	A	20
38	110	GR10q	**F382DT5/830/4P**	**75067**	3020	3000	82	15000	202	204	A	20
38	110	GR10q	**F382DT5/835/4P**	**10566**	3020	3500	82	15000	202	204	A	20

Biax™ 2D™



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
10	60	GR10q	**F10W/2D/827/4P**	**88105**	650	2700	82	8,000	92	95	B	20
10	60	GR10q	**F10W/2D/835/4P**	**88106**	650	3500	82	8,000	92	95	B	20
55	98	GR10q-3	**F552D/T5/827/A/4P**	**78337***	3900	2700	80	10,000	202	204	B	20
55	98	GR10q-3	**F552D/T5/830/4P**	**78339***	3900	3000	80	10,000	202	204	B	20
55	98	GR10q-3	**F552D/T5/835/A/4P**	**78340***	3900	3500	80	10,000	202	204	B	20

Biax™ 2D™ Watt-Miser™ with Integral Control Gear



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
18	220-240	GRZ10d	**FLE18W2D/827 GRZ10D**	**18122**	1200	2700	82	10,000	138	142	A	10
18	220-240	GRZ10d	**FLE18W2D/835 GRZ10D**	**18123**	1200	3500	82	10,000	138	142	A	10
18	220-240	GRZ10d	**FLE18W2D/840 GRZ10D**	**18120**	1200	4000	82	10,000	138	142	A	10

Biax™ Q/E Electronic Ballast

Wattage [W]	Volts [V]	Product Description	Product Code	Diameter [mm]	Length [mm]	Pack Qty
57-70	220-240	**BLS/E/1X57-70W/QBX220-240V**	**13248**	79	123	12

*With 50Hz gear.

Brand cross reference

The following pages show GE and alternative brand Order Codes. These cross references are provided as a quick guide and may only represent a near equivalent to other brands. The table contains data from alternative brands' catalogues and website.

	GE		OSRAM	PHILIPS	Havells Sylvania
	Biax™S 2pin	**Colour temperature**	**Dulux S**	**Master PL-S 2**	**Lynx-S**
5W	**F5BX/827**	2700	DULUX S 5W/827	PL-S 5W/827/2P	Lynx S 5W/827
	F5BX/840	4000	DULUX S 5W/840	-	Lynx S 5W/840
7W	**F7BX/827**	2700	DULUX S 7W/827	PL-S 7W/827/2P	Lynx S 7W/827
	F7BX/830	3000	DULUX S 7W/830	-	Lynx S 7W/830
	F7BX/835	3500	DULUX S 7W/835	-	-
	F7BX/840	4000	DULUX S 7W/840	PL-S 7W/840/2P	Lynx S 7W/840
	F7BX/865	6500	DULUX S 7W/865	-	-
9W	**F9BX/827**	2700	DULUX S 9W/827	PL-S 9W/827/2P	Lynx S 9W/827
	F9BX/830	3000	DULUX S 9W/830	PL-S 9W/830/2P	Lynx S 9W/830
	F9BX/835	3500	DULUX S 9W/835	-	-
	F9BX/840	4000	DULUX S 9W/840	PL-S 9W/840/2P	Lynx S 9W/840
	F9BX/865	6500	DULUX S 9W/865		-
11W	**F11BX/827**	2700	DULUX S 11W/827	PL-S 11W/827/2P	Lynx S 11W/827
	F11BX/830	3000	DULUX S 11W/830	-	Lynx S 11W/830
	F11BX/835	3500	-	-	-
	F11BX/840	4000	DULUX S 11W/840	PL-S 11W/840/2P	Lynx S 11W/840
	F11BX/865	6500	DULUX S 11W/865	-	-
	-	-	DULUX S 9W/Red	-	-
	-	-	DULUX S 9W/Green	-	-
	-	-	DULUX S 9W/Blue	-	-
	Biax™S/E 4pin		**Dulux-SE**	**Master PL-S 4**	**Lynx - SE**
5W	**F5BX/827/4P**	2700	-	PL-S 5W/827/4P	Lynx SE 5W/827
	F5BX/840/4P	4000	-	PL-S 5W/840/4P	Lynx SE 5W/840
7W	**F7BX/827/4P**	2700	DULUX S/E 7W/827	PL-S 7W/827/4P	Lynx SE 7W/827
	F7BX/840/4P	4000	DULUX S/E 7W/840	PL-S 7W/840/4P	Lynx SE 7W/840
9W	**F9BX/827/4P**	2700	DULUX S/E 9W/827	PL-S 9W/827/4P	Lynx SE 9W/827
	F9BX/830/4P	3000	DULUX S/E 9W/830	-	Lynx SE 9W/830
	F9BX/840/4P	4000	DULUX S/E 9W/840	PL-S 9W/840/4P	Lynx SE 9W/840
11W	**F11BX/827/4P**	2700	DULUX S/E 11W/827	PL-S 11W/827/4P	Lynx SE 11W/827
	F11BX/827/4P	3000	DULUX S/E 11W/830	-	Lynx SE 11W/830
	F11BX/840/4P	4000	DULUX S/E 11W/840	PL-S 11W/840/4P	Lynx SE 11W/840
	F11BX/865/4P	6500	-	-	-
	F11BX/Red	-	-	-	-
	F11BX/Green	-	-	-	-
	F11BX/Blue	-	-	-	-
	Biax™D 2pin		**Dulux-D**	**Master PL-C**	**Lynx-D**
10W	**F10DBX/827**	2700	DULUX D 10W/827	PL-C 10W/827/2P	Lynx D 10W/827
	F10DBX/830	3000	DULUX D 10W/830	PL-C 10W/830/2P	Lynx D 10W/830
	F10DBX/835	3500	DULUX D 10W/835	-	Lynx D 10W/835
	F10DBX/840	4000	DULUX D 10W/840	PL-C 10W/840/2P	Lynx D 10W/840
	F10DBX/865	6500	DULUX D 10W/865	-	Lynx D 10W/860
13W	**F13DBX/827**	2700	DULUX D 13W/827	PL-C 13W/827/2P	Lynx D 13W/827
	F13DBX/830	3000	DULUX D 13W/830	PL-C 13W/830/2P	Lynx D 13W/830
	F13DBX/835	3500	DULUX D 13W/835	-	Lynx D 13W/835
	F13DBX/840	4000	DULUX D 13W/840	PL-C 13W/840/2P	Lynx D 13W/840
	F13DBX/865	6500	DULUX D 13W/865	-	Lynx D 13W/860
18W	**F18DBX/827**	2700	DULUX D 18W/827	PL-C 18W/827/2P	Lynx D 18W/827
	F18DBX/830	3000	DULUX D 18W/830	PL-C 18W/830/2P	Lynx D 18W/830
	F18DBX/835	3500	DULUX D 18W/835	-	Lynx D 18W/835
	F18DBX/840	4000	DULUX D 18W/840	PL-C 18W/840/2P	Lynx D 18W/840
	F18DBX/865	6500	DULUX D 18W/865	-	Lynx D 18W/860
26W	**F26DBX/827**	2700	DULUX D 26W/827	PL-C 26W/827/2P	Lynx D 26W/827
	F26DBX/830	3000	DULUX D 26W/830	PL-C 26W/830/2P	Lynx D 26W/830
	F26DBX/835	3500	DULUX D 26W/835	PL-C 26W/835/2P	Lynx D 26W/835
	F26DBX/840	4000	DULUX D 26W/840	PL-C 26W/840/2P	Lynx D 26W/840
	F26DBX/865	6500	DULUX D 26W/865	PL-C 26W/865/2P	Lynx D 26W/860

Compact Fluorescent Lamps Non-Integrated

	GE		OSRAM	PHILIPS	Havells Sylvania
	Biax™D/E 4pin	**Colour temperature**	**Dulux-DE**	**Master PL-C**	**Lynx-DE**
10W	**F10DBX/827/4P/EOL**	2700	DULUX D/E 10W/827	PL-C 10W/827/4P	Lynx DE 10W/827
	F10DBX/830/4P/EOL	3000	DULUX D/E 10W/830	PL-C 10W/830/4P	Lynx DE 10W/830
	F10DBX/835/4P/EOL	3500	DULUX D/E 10W/835	-	-
	F10DBX/840/4P/EOL	4000	DULUX D/E 10W/840	PL-C 10W/840/4P	Lynx DE 10W/840
	F10DBX/865/4P/EOL	6500	-	-	Lynx DE 10W/860
13W	**F13DBX/827/4P/EOL**	2700	DULUX D/E 13W/827	PL-C 13W/827/4P	Lynx DE 13W/827
	F13DBX/830/4P/EOL	3000	DULUX D/E 13W/830	PL-C 13W/830/4P	Lynx DE 13W/830
	F13DBX/835/4P/EOL	3500	DULUX D/E 13W/835	-	Lynx DE 13W/835
	F13DBX/840/4P/EOL	4000	-	PL-C 13W/840/4P	Lynx DE 13W/840
	F13DBX/865/4P/EOL	6500	-	-	Lynx DE 13W/860
18W	**F18DBX/827/4P/EOL**	2700	DULUX D/E 18W/827	PL-C 18W/827/4P	Lynx DE 18W/827
	F18DBX/830/4P/EOL	3000	DULUX D/E 18W/830	PL-C 18W/830/4P	Lynx DE 18W/830
	F18DBX/835/4P/EOL	3500	DULUX D/E 18W/835	-	Lynx DE 18W/835
	F18DBX/840/4P/EOL	4000	DULUX D/E 18W/840	PL-C 18W/840/4P	Lynx DE 18W/840
26W	**F26DBX/827/4P/EOL**	2700	DULUX D/E 26W/827	PL-C 26W/827/4P	Lynx DE 26W/827
	F26DBX/830/4P/EOL	3000	DULUX D/E 26W/830	PL-C 26W/830/4P	Lynx DE 26W/830
	F26DBX/835/4P/EOL	3500	DULUX D/E 26W/835	PL-C 26W/835/4P	Lynx DE 26W/835
	F26DBX/840/4P/EOL	4000	DULUX D/E 26W/840	PL-C 26W/840/4P	Lynx DE 26W/840
	F26DBX/865/4P/EOL	6500	DULUX D/E 26W/865	-	Lynx DE 26W/860
	Biax™T 2pin		**Dulux T Plus**	**Master PL-T**	**Lynx-T**
13W	**F13TBX/827/A/2P**	2700	-	PL-T 13W/827/2P	-
	F13TBX/830/A/2P	3000	DULUX T 13W/830	PL-T 13W/830/2P	-
	F13TBX/840/A/2P	4000	DULUX T 13W/840	PL-T 13W/840/2P	-
18W	**F18TBX/827/A/2P**	2700	DULUX T 18W/827	PL-T 18W/827/2P	-
	F18TBX/830/A/2P	3000	DULUX T 18W/830	PL-T 18W/830/2P	Lynx T 18W/830
	F18TBX/835/A/2P	3500	-	-	-
	F18TBX/84O/A/2P	4000	DULUX T 18W/840	PL-T 18W/840/2P	Lynx T 18W/840
26W	**F26TBX/827/A/2P**	2700	DULUX T 26W/827	PL-T 26W/827/2P	-
	F26TBX/830/A/2P	3000	DULUX T 26W/830	PL-T 26W/830/2P	Lynx T 26W/830
	F26TBX/835/A/2P	3500	-	-	-
	F26TBX/840/A/2P	4000	DULUX T 26W/840	PL-T 26W/840/2P	Lynx T 26W/840
	Biax™T/E 4pin		**Dulux T/E Plus**	**Master PL-T 4pin**	**Lynx- TE**
13W	**F13TBX/827/A/4P/EOL**	2700	DULUX T/E 13W/827	PL-T 13W/827/4P	-
	F13TBX/830/A/4P/EOL	3000	DULUX T/E 13W/830	PL-T 13W/830/4P	-
	F13TBX/835/A/4P/EOL	3500	-	-	-
	F13TBX/840/A/4P/EOL	4000	DULUX T/E 13W/840	PL-T 13W/840/4P	-
18W	**F18TBX/827/A/4P/EOL**	2700	DULUX T/E 18W/827	PL-T 18W/827/4P	-
	F18TBX/830/A/4P/EOL	3000	DULUX T/E 18W/830	PL-T 18W/830/4P	Lynx TE 18W/830
	F18TBX/835/A/4P/EOL	3500	-	-	-
	F18TBX/840/A/4P/EOL	4000	DULUX T/E 18W/840	PL-T 18W/840/4P	Lynx TE 18W/840
26W	**F26TBX/827/A/4P/EOL**	2700	DULUX T/E 26W/827	PL-T 26W/827/4P	-
	F26TBX/830/A/4P/EOL	3000	DULUX T/E 26W/830	PL-T 26W/830/4P	Lynx TE 26W/830
	F26TBX/835/A/4P/EOL	3500	-	-	-
	F26TBX/840/A/4P/EOL	4000	DULUX T/E 26W/840	PL-T 26W/840/4P	Lynx TE 26W/840
32W	**F32TBX/827/A/4P/EOL**	2700	DULUX T/E 32W/827	PL-T 32W/827/4P	-
	F32TBX/830/A/4P/EOL	3000	DULUX T/E 32W/830	PL-T 32W/830/4P	Lynx TE 32W/830
	F32TBX/835/A/4P/EOL	3500	-	-	-
	F32TBX/840/A/4P/EOL	4000	DULUX T/E 32W/840	PL-T 32W/840/4P	Lynx TE 32W/840
42W	**F42TBX/827/A/4P/EOL**	2700	DULUX T/E 42W/827	PL-T 42W/827/4P	-
	F42TBX/830/A/4P/EOL	3000	DULUX T/E 42W/830	PL-T 42W/830/4P	Lynx TE 42W/830
	F42TBX/841/A/4P/EOL	3500	-	-	-
	F42TBX/835/A/4P/EOL	4000	DULUX T/E 42W/840	PL-T 42W/830/4P	Lynx TE 42W/840

Brand cross reference

	GE		OSRAM	PHILIPS	Havells Sylvania
	Biax™Q/E 4pin	**Colour temperature**	**Dulux T/E**	**PL-T**	**Lynx- TE**
57W	**F57QBX/827/A/4P/EOL**	2700	-	PL-T 57W/827/4P	-
	F57QBX/830/A/4P/EOL	3000	-	PL-T 57W/830/4P	-
	F57QBX/835/A/4P/EOL	3500	-	-	-
	F57QBX/840/A/4P/EOL	4000	-	PL-T 57W/840/4P	-
70W	**F70QBX/830/A/4P/EOL**	3000	-	-	-
	F70QBX/835/A/4P/EOL	3500	-	-	-
	F70QBX/840/A/4P/EOL	4000	-	-	-
	Biax™L 4pin		**Dulux-L**	**PL-L**	**Lynx L & Lynx-LE**
18W	**F18BX/827**	2700	DULUX L 18W/827	-	Lynx L 18W/827
	F18BX/830	3000	DULUX L 18W/830	PL-L 18W/830/4P	Lynx L 18W/830
	F18BX/835	3500	DULUX L 18W/835	PL-L 18W/835/4P	-
	F18BX/840	4000	DULUX L 18W/840	PL-L 18W/840/4P	Lynx L 18W/840
24W	**F24BX/827**	2700	DULUX L 24W/827	-	Lynx L 24W/827
	F24BX/830	3000	DULUX L 24W/830	PL-L 24W/830/4P	Lynx L 24W/830
	F24BX/835	3500	DULUX L 24W/835	PL-L 24W/835/4P	-
	F24BX/840	4000	DULUX L 24W/840	PL-L 24W/840/4P	Lynx L 24W/840
34W	**F34BX/830**	3000	-	-	-
	F34BX/835	3500	-	-	-
	F34BX/840	4000	-	-	-
36W	**F36BX/827**	2700	DULUX L 36W/827	-	Lynx L 36W/827
	F36BX/830	3000	DULUX L 36W/830	PL-L 36W/830/4P	Lynx L 36W/830
	F36BX/835	3500	DULUX L 36W/835	-	-
	F36BX/840	4000	DULUX L 36W/840	PL-L 36W/840/4P	Lynx L 36W/840
	F36BX/865	6500	DULUX L 36W/865	PL-L 36W/865/4P	Lynx L 36W/865
40W	**F40BX/830**	3000	DULUX L 40W/830	PL-L 40W/830/4P	Lynx LE 40W/830
	F40BX/835	3500	DULUX L 40W/835	PL-L 40W/835/4P	Lynx LE 40W/835
	F40BX/840	4000	DULUX L 40W/840	PL-L 40W/840/4P	Lynx LE 40W/840
55W	**F55BX/830**	3000	DULUX L 55W/830	PL-L 55W/830/4P	Lynx LE 55W/830
	F55BX/835	3500	DULUX L 55W/835	PL-L 55W/835/4P	Lynx LE 55W/835
	F55BX/840	4000	DULUX L 55W/840	PL-L 55W/840/4P	Lynx LE 55W/840
	F55BX/854	6500	DULUX L 55W/865	PL-L 55W/865/4P	Lynx LE 55W/865
	Biax™ 2D 2pin			**PL-Q 2pin**	**Lynx-Q (GR8 base) 2 pin**
16W	**F162D/827 GE 20PK WM**	2700	CFL Square 16W/827	PLQ 16W/827/2P	Lynx-Q 16W/827/2P
	F162D/835 GE 20PK	3500	CFL Square 16W/835	PLQ 16W/835/2P	Lynx-Q 16W/835/2P
	F162D/860 GE 20PK	6000	-	-	-
28W	**F282DT5/827/2P BL 1/20 WM**	2700	CFL Square 28W/827	-	-
	Biax™ 2D 4pin			**PL-Q 4pin**	**Lynx-QE 4 pin**
10W	**OT F10W/2D/827/4P GE BL 1/20**	2700	-	-	-
	OT F10W/2D/835/4P GE BL 1/20	3500	-	-	-
16W	**F162D/827/4P GE 20PK**	2700	CFL Square 16W/827	PLQ 16W/827/4P	Lynx-QE 16W/827/4P
	F162D/830/4P BL1/20 WM	3000	-	PLQ 16W/830/4P	-
	F162D/835/4P GE 20PK	3500	CFL Square 16W/835	PLQ 16W/835/4P	Lynx-QE 16W/835/4P
21W	**F212D/827/4P GE 20PK**	2700	-	-	-
	F212D/835/4P GE 20PK	3500	-	-	-
	F212D/860/4P GE 20PK	6000	-	-	-
28W	**F282DT5/827/4P BL 1/20 WM**	2700	CFL Square 28W/827	PLQ 28W/827/4P	Lynx-QE 28W/827/4P
	F282D/830/4P BL1/20 WM	3000	-	PLQ 28W/830/4P	-
	F282DT5/835/4P BL 1/20 WM	3500	CFL Square 28W/835	PLQ 28W/835/4P	Lynx-QE 28W/835/4P
	F282DT5/840/4P BL 1/20 WM	4000	-	PLQ 28W/840/4P	Lynx-QE 28W/840/4P
38W	**F382DT5/827/4P BL 1/20 WM**	2700	CFL Square 38W/827	PLQ 38W/827/4P	Lynx-QE 38W/827/4P
	F382D/830/4P BL1/20 WM	3000	-	PLQ 38W/830/4P	-
	F382DT5/835/4P BL 1/20 WM	3500		PLQ 38W/835/4P	Lynx-QE 38W/835/4P
55W	**F55 2D/827/A 4P BL20 MIH**	2700	-	-	-
	F55 2D/830/A 4P BL20 MIH	3000	-	-	-
	F55 2D/835/A 4P BL20 MIH	3500	-	-	-
	Biax™ 2D Integral				
18W	**FLE18W2D/827 GRZ10D 1/10**	2700	-	-	-
	FLE18W2D/835 GRZ10D 1/10	3500	-	-	-
	FLE18W2D/840 GRZ10D 1/10	4000	-	-	-

Compact Fluorescent Lamps Integrated



Save money on energy bills and maintain quality

Longer life	**from 6,000 to 15,000 hours**
Quick start	**Flicker-free and fast warm-up**
Fit almost everywhere	**stick, spiral, small incandescent shapes**
Environmentally friendly	**solutions – with reduced mercury content**
Special applications/options	**dimmability, dusk to dawn, high swithching endurance**
Energy efficient and economic	**80% efficiency vs. traditional incandescent ***

GE Lighting's integrated compact fluorescent lamps combine energy saving benefits with high quality lighting.

Integrated compact fluorescent lamps are suitable for a variety of applications, available in small incandescent sizes and look-a-like shapes, with both ES and BC caps.

Outstanding light quality is guaranteed throughout the life of the lamps with colour temperatures from 2700-6500K.

Home

Office





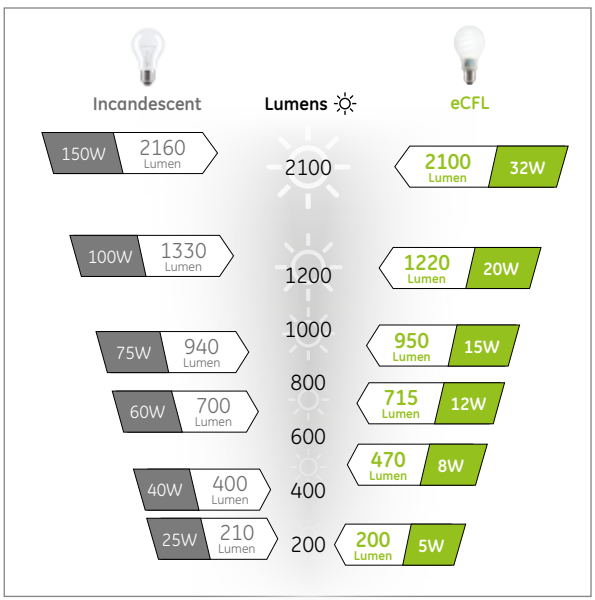


*from our 'A' energy labelled products

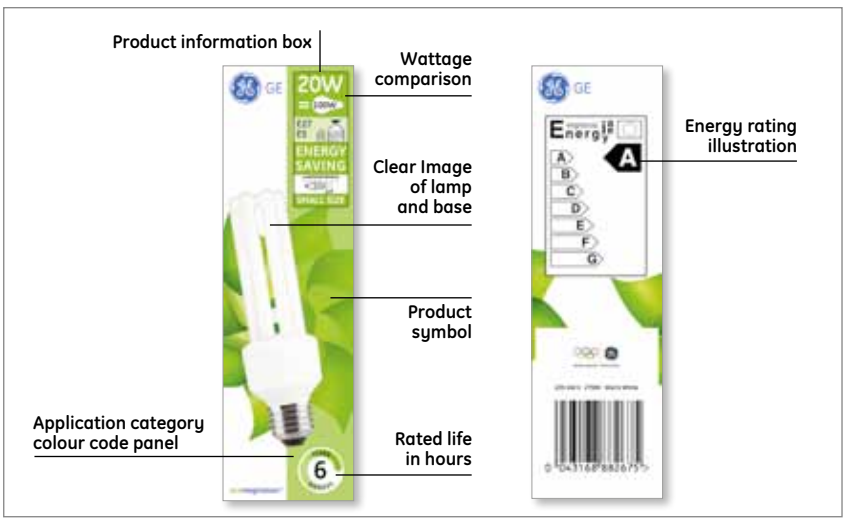
Switching from Watts to Lumens

Traditional light bulbs are being phased out as modern light technologies use different amounts of power to achieve the same amount of light. Instead of referring to watts anymore, we now need to measure and compare light in terms of lumens.

Save money on bills yet lose nothing in quality with GE's new electronic compact fluorescent (eCFL) lamps. Ideal for ambient light, eCFLs combine energy saving benefits with high quality lighting.



Quick guide to GE Lighting packaging



LongLast™ Spiral T2



The LongLast™ T2 Spiral Compact Fluorescent Lamp (CFL) is the smallest size long life CFL lightbulb on the market.

This unique lamp offers excellent light quality over its 15,000 hours rated life and can be used in indoor or outdoor applications.

With continuing technological advancements and miniaturisation, today's T2 CFL lamps are even smaller than the incandescent lamps that they replace to ensure that they are discreet – yet high performing.



LongLast™

- **15,000 hours rated life**
- **Small dimensions**
- **Fast warm-up**
- **20,000 high switching cycle endurance**
- **Low mercury content <1 mg**
- **Eco Label approved premium quality until 11 August 2012**
- **'A' energy class**

Product range:

LongLast™ T2 Spiral lamps are available in a full range of:

- 8, 12, 15, 20 and 23 wattages
- E14, E27, B22 caps
- Warm (2700K), Cool (4000K) and Daylight (6500K) colours
- Box and blister packs



Stick T3 Mini

The T3 10,000 hours Mini stick range offers low energy consumption in a compact size, along with additional benefits such as instant light-on and fast warm-up. Stick shaped lamps provide an energy saving alternative for almost all applications where incandescent bulbs are currently used – ensuring excellent light quality and reliable energy savings.







- **10,000 hours rated life**
- **Fast warm-up**
- **Instant switch on feature**
- **'A' energy class**
- **Small dimensions**

Product range:

Stick T3 Mini 10,000 hours lamps are available in:

- 9W, 11W, 15W, 20W and 23W
- E14, E27, B22 caps
- Warm (2700K), Cool (4000K) and Daylight (6500K) colours
- Box and blister packs

Compact Fluorescent Lamps Integrated

Stick



T3 Mini

Cap: E27, E14, B22
Wattages: 9-23W
Colours: 2700-6500K
Rated life: 10,000Hrs

Page V.8



T3 Mini Economy

Cap: E27, E14, B22
Wattages: 9-23W
Colours: 2700K
Rated life: 6,000Hrs

Page V.8



T4 Senzor

Cap: E27, B22
Wattages: 15W
Colours: 2700K
Rated life: 6,000Hrs

Page V.8

Spiral



LongLast T2

Cap: E27, E14, B22
Wattages: 8-23W
Colours: 2700-6500K
Rated life: 15,000Hrs

Page V.9



T2

Cap: E27, E14, B22
Wattages: 8-23W
Colours: 2700-6500K
Rated life: 8,000 - 10,000Hrs

Page V.9



T3 Dimmable

Cap: E27, B22
Wattages: 20W
Colours: 2700K
Rated life: 10,000Hrs

Page V.9



T3

Cap: E27, E14, B22
Wattages: 11-20W
Colours: 2700-6500K
Rated life: 8,000Hrs

Page V.10



T4 High Power Factor (HPF)

Cap: E27
Wattages: 32W
Colours: 2700K
Rated life: 10,000Hrs

Page V.10

Circlite



Circlite T5

Cap: E27
Wattages: 22W
Colours: 2700-6500K
Rated life: 6,000Hrs

Page V.10

Decor

GLS, Spherical



Energy Smart™ T2

Cap: E27, B22
Wattages: 9-20W
Colours: 3000-6500K
Rated life: 10,000Hrs

Page V.10



GLS T2/T3

Cap: E27, E14, B22
Wattages: 8-20W
Colours: 2700-4000K
Rated life: 6,000Hrs

Page V.10



Spherical T2

Cap: E27, E14, B22
Wattages: 5-7W
Colours: 2700-4000K
Rated life: 6,000Hrs

Page V.11

Candle



Candle T2/T3

Cap: E27, E14, B22
Wattages: 7-11W
Colours: 2700-4000K
Rated life: 6,000 - 8,000Hrs

Page V.11



Twisted Candle T2

Cap: E27, E14, B22
Wattages: 5-9W
Colours: 2400-2700K
Rated life: 6,000-10,000Hrs

Page V.11



Bent Tip Candle T3

Cap: E14
Wattages: 7W
Colours: 2700K
Rated life: 6,000Hrs

Page V.11

Reflector



Reflector T2

Cap: E27, E14, B22
Wattages: 7-11W
Colours: 2700-4000K
Rated life: 6,000Hrs

Page V.12



Reflector Genura

Cap: E27
Wattages: 22,5W
Colours: 2700-3000K
Rated life: 15,000Hrs

Page V.12



GU10 T2

Cap: GU10
Wattages: 7-9W
Colours: 2700K
Rated life: 6,000Hrs

Page V.12

Globe



Globe T3

Cap: E27
Wattages: 15-23W
Colours: 2700-4000K
Rated life: 8,000Hrs

Page V.12

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where "rated life" or "median life" are stated we refer to the industry standard definition of how many hours of operation 50% of a given installation will exceed.

Watts:
Energy Used – Nominal Watts. To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000

Volts:
Lamp data is based on operation at rated voltage

Cap:
The type of cap fitted. See page 148-149 for cap drawings

Product description:
The lamp's identification code

Lumens:
Light output after the initial 100 hours of operation

CRI:
Colour rendering index, the higher the number (1-100), the more natural the lit subject appears

Diameter:
Bulb diameter in mm

EEC:
Energy Efficiency Class

Spiral T2 - 15,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
8	220-240	E14	**FLE8HLX/T2/827/E14**	**76153**	460	2700	80	15,000	100.5	46	A	8
8	220-240	E27	**FLE8HLX/T2/827/E27**	**76154**	460	2700	80	15,000	88.5	46	A	8
12	220-240	E14	**FLE12HLX/T2/827/E14**	**76155**	700	2700	80	15,000	112.5	53	A	6

FLE 8 HLX / T2 / 827 / E14

FLE
Identifies as Fluorescent Electronic (Screw-in lamp)

8 Identifies the lamp's wattage

HLX Identifies as the lamp type
DBX = Double-Biax Stick (2U)
TBX = Triple-Biax Stick (3U)
QBX = Quad-Biax Stick (4U)
HLX = Heliax (Spiral)
CDL = Candle
TWSTCDL = Twisted Candle
BTCDL = Bent tip Candle
SPH = Spherical
GG = Globe
R50/R63/R80 = Reflector lamp types
AG = All Glass

T2/T3/T4/T5
refers to the size of the tube

827 Colour definition
827=Extra Warm White
830=Warm White
835=White
840=Cool White
865=Daylight

E14/E27/B15/B22
Identifies the lamp cap

Product code:
It is important to use this code when ordering to ensure that you receive the exact product you require

CCT:
Colour temperature – Kelvin [K]. The visual warmth or coolness of the light. The higher the number the whiter or cooler the light appears

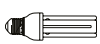
Rated life:
The point in time when 50% of installed lamps are still burning

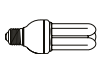
Length:
Lamp length in mm

Pack quantity:
Number of product units packed in a case

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
Stick T3 Mini - 10,000 hours												
9	220-240	E14	**FLE9TBX/T3/827/E14**	**88697**	480	2700	82	10,000	119	44	A	8
9	220-240	E27	**FLE9TBX/T3/827/E27**	**88695**	480	2700	82	10,000	115	44	A	8
9	220-240	B22	**FLE9TBX/T3/827/B22**	**88696**	480	2700	82	10,000	114	44	A	8
9	220-240	E14	**FLE9TBX/T3/840/E14**	**88700**	455	4000	82	10,000	119	44	A	10
9	220-240	E27	**FLE9TBX/T3/840/E27**	**88698**	455	4000	82	10,000	115	44	A	10
9	220-240	E14	**FLE9TBX/T3/865/E14**	**88703**	455	6500	82	10,000	119	44	A	10
9	220-240	E27	**FLE9TBX/T3/865/E27**	**88701**	455	6500	82	10,000	115	44	A	10
11	220-240	E14	**FLE11TBX/T3/827/E14**	**78690**	660	2700	82	10,000	131	44	A	8
11	220-240	E27	**FLE11TBX/T3/827/E27**	**72689**	660	2700	82	10,000	127	44	A	8
11	220-240	B22	**FLE11TBX/T3/827/B22**	**72690**	660	2700	82	10,000	126	44	A	8
11	220-240	E14	**FLE11TBX/T3/840/E14**	**88709**	620	4000	82	10,000	131	44	A	10
11	220-240	E27	**FLE11TBX/T3/840/E27**	**88707**	620	4000	82	10,000	127	44	A	10
11	220-240	E14	**FLE11TBX/T3/865/E14**	**88712**	620	6500	82	10,000	131	44	A	10
11	220-240	E27	**FLE11TBX/T3/865/E27**	**75730**	620	6500	82	10,000	127	44	A	8
15	220-240	E27	**FLE15TBX/T3/827/E27**	**72688**	850	2700	82	10,000	137.5	44	A	8
15	220-240	B22	**FLE15TBX/T3/827/B22**	**88713**	850	2700	82	10,000	136.5	44	A	8
15	220-240	E27	**FLE15TBX/T3/840/E27**	**88714**	800	4000	82	10,000	137.5	44	A	10
15	220-240	E27	**FLE15TBX/T3/865/E27**	**88716**	800	6500	82	10,000	137.5	44	A	10
20	220-240	E27	**FLE20TBX/T3/827/E27**	**88718**	1200	2700	82	10,000	149	44	A	8
20	220-240	B22	**FLE20TBX/T3/827/B22**	**88719**	1200	2700	82	10,000	148	44	A	8
20	220-240	E27	**FLE20TBX/T3/840/E27**	**88720**	1152	4000	82	10,000	149	44	A	10
20	220-240	E27	**FLE20TBX/T3/865/E27**	**88722**	1152	6500	82	10,000	149	44	A	10
20	220-240	B22	**FLE20TBX/T3/865/B22**	**88723**	1152	6500	82	10,000	148	44	A	10
23	220-240	E27	**FLE23QBX/T3/827/E27**	**75268**	1450	2700	82	10,000	145	48	A	8
23	220-240	B22	**FLE23QBX/T3/827/B22**	**75039**	1450	2700	82	10,000	144	48	A	8
23	220-240	E27	**FLE23QBX/T3/840/E27**	**97000**	1450	4000	82	10,000	145	48	A	8
23	220-240	E27	**FLE23QBX/T3/865/E27**	**97006**	1371	6500	82	10,000	145	48	A	8
Stick T3 Mini Economy - 6,000 hours												
9	220-240	E14	**FLE9DBX/T3/827/E14**	**63965**	435	2700	82	6,000	123	40	A	8
9	220-240	E27	**FLE9DBX/T3/827/E27**	**63966**	435	2700	82	6,000	124	40	A	8
9	220-240	B22	**FLE9DBX/T3/827/B22**	**63908**	435	2700	82	6,000	123	40	A	8
11	220-240	E14	**FLE11DBX/T3/827/E14**	**63967**	600	2700	82	6,000	142	44.5	A	8
11	220-240	E27	**FLE11DBX/T3/827/E27**	**63968**	600	2700	82	6,000	142	44.5	A	8
11	220-240	B22	**FLE11DBX/T3/827/B22**	**63909**	600	2700	82	6,000	141	44.5	A	8
15	220-240	E27	**FLE15TBX/T3/827/E27**	**63969**	820	2700	82	6,000	136	44.5	A	8
15	220-240	B22	**FLE15TBX/T3/827/B22**	**63911**	820	2700	82	6,000	135	44.5	A	8
20	220-240	E27	**FLE20TBX/T3/827/E27**	**63971**	1152	2700	82	6,000	154	44.5	A	8
20	220-240	B22	**FLE20TBX/T3/827/B22**	**63912**	1152	2700	82	6,000	153	44.5	A	8
23	220-240	E27	**FLE23TBX/T3/827/E27**	**63976**	1380	2700	82	6,000	173	44.5	A	8
Stick T4 Senzor - 6,000 hours												
15	220-240	E27	**FLE15TBX/827/E27/T4/SENZ**	**88643**	850	2700	80	6,000	146	55	A	8
15	220-240	B22	**FLE15TBX/827/B22/T4/SENZ**	**70884**	850	2700	80	6,000	145	55	A	8







Compact Fluorescent Lamps Integrated





LongLast™ Spiral T2 - 15,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
8	220-240	E14	FLE8HLX/T2/827/E14	76153	470	2700	80	15,000	97	45	A	8
8	220-240	E27	FLE8HLX/T2/827/E27	76154	470	2700	80	15,000	85	45	A	8
8	220-240	B22	FLE8HLX/T2/827/B22	78156	470	2700	80	15,000	84	45	A	8
8	220-240	E14	FLE8HLX/T2/840/E14	78157	460	4000	80	15,000	97	45	A	8
8	220-240	E27	FLE8HLX/T2/840/E27	78188	460	4000	80	15,000	85	45	A	8
8	220-240	E27	FLE8HLX/T2/865/E27	78189	430	6500	80	15,000	85	45	A	8
12	220-240	E14	FLE12HLX/T2/827/E14	76155	715	2700	80	15,000	110	52	A	6
12	220-240	E27	FLE12HLX/T2/827/E27	76157	715	2700	80	15,000	98	52	A	6
12	220-240	B22	FLE12HLX/T2/827/B22	78190	715	2700	80	15,000	97	52	A	6
12	220-240	E14	FLE12HLX/T2/840/E14	78191	700	4000	80	15,000	110	52	A	6
12	220-240	E27	FLE12HLX/T2/840/E27	78192	700	4000	80	15,000	98	52	A	6
12	220-240	E14	FLE12HLX/T2/865/E14	78193	665	6500	80	15,000	110	52	A	6
12	220-240	E27	FLE12HLX/T2/865/E27	78194	665	6500	80	15,000	98	52	A	6
15	220-240	E27	FLE15HLX/T2/827/E27	76156	950	2700	80	15,000	98	52	A	6
15	220-240	B22	FLE15HLX/T2/827/B22	78195	950	2700	80	15,000	97	52	A	6
15	220-240	E27	FLE15HLX/T2/840/E27	78196	950	4000	80	15,000	98	52	A	6
15	220-240	E27	FLE15HLX/T2/865/E27	78197	900	6500	80	15,000	98	52	A	6
20	220-240	E27	FLE20HLX/T2/827/E27	76158	1220	2700	80	15,000	118	56	A	6
20	220-240	B22	FLE20HLX/T2/827/B22	78198	1220	2700	80	15,000	117	56	A	6
20	220-240	E27	FLE20HLX/T2/840/E27	78199	1200	4000	80	15,000	118	56	A	6
20	220-240	E27	FLE20HLX/T2/865/E27	78200	1152	6500	80	15,000	118	56	A	6
23	220-240	E27	FLE23HLX/T2/827/E27	76159	1500	2700	80	15,000	126	56	A	6
23	220-240	E27	FLE23HLX/T2/840/E27	78202	1380	4000	80	15,000	126	56	A	6
23	220-240	E27	FLE23HLX/T2/865/E27	78203	1380	6500	80	15,000	126	56	A	6



Spiral T2 - 8,000-10,000 hours

8	220-240	E14	FLE8HLX/T2/827/E14	72711	470	2700	80	10,000	99	46	A	8
8	220-240	E27	FLE8HLX/T2/827/E27	72712	470	2700	80	10,000	86.5	46	A	8
8	220-240	B22	FLE8HLX/T2/827/B22	72713	470	2700	80	10,000	85.5	46	A	8
8	220-240	E14	FLE8HLX/T2/865/E14	71002	430	6500	80	10,000	99	46	A	10
8	220-240	E27	FLE8HLX/T2/865/E27	71003	430	6500	80	10,000	86.5	46	A	10
12	220-240	E14	FLE12HLX/T2/827/E14	72714	715	2700	80	10,000	112.5	53	A	6
12	220-240	E27	FLE12HLX/T2/827/E27	72715	715	2700	80	10,000	100	53	A	6
12	220-240	B22	FLE12HLX/T2/827/B22	72716	715	2700	80	10,000	99	53	A	6
12	220-240	E14	FLE12HLX/T2/865/E14	71004	665	6500	80	10,000	112.5	53	A	10
12	220-240	E27	FLE12HLX/T2/865/E27	71005	665	6500	80	10,000	100	53	A	10
15	220-240	E27	FLE15HLX/T2/827/E27	72717	950	2700	80	10,000	100	53	A	6
15	220-240	B22	FLE15HLX/T2/827/B22	72718	950	2700	80	10,000	99	53	A	6
15	220-240	E27	FLE15HLX/T2/865/E27	71006	900	6500	80	10,000	100	53	A	10
20	220-240	E27	FLE20HLX/T2/827/E27	88680	1220	2700	80	8,000	105	56	A	6
20	220-240	B22	FLE20HLX/T2/827/B22	88681	1220	2700	80	8,000	104	56	A	6
20	220-240	E27	FLE20HLX/T2/840/E27	88684	1200	4000	80	8,000	105	56	A	10
20	220-240	B22	FLE20HLX/T2/865/B22	88685	1200	6500	80	8,000	104	56	A	10
23	220-240	E27	FLE23HLX/T2/827/E27	88686	1450	2700	80	8,000	125	56	A	6
23	220-240	B22	FLE23HLX/T2/827/B22	88687	1450	2700	80	8,000	124	56	A	6
23	220-240	E27	FLE23HLX/T2/840/E27	88690	1380	4000	80	8,000	125	56	A	10
23	220-240	E27	FLE23HLX/T2/865/E27	88691	1380	6500	80	8,000	125	56	A	10



Spiral T3 Dimmable - 10,000 hours

20	220-240	E27	FLE20HLX/T3/827/E27	97030	1220	2700	80	10,000	136	59	A	6
20	220-240	B22	FLE20HLX/T3/827/B22	97031	1220	2700	80	10,000	135	59	A	6

Spiral T3 - 8,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
11	220-240	E27	**FLE11HLX/T3/827/E27**	**82926**	580	2700	82	8,000	114	43	A	10
11	220-240	E27	**FLE11HLX/T3/865/E27**	**43271**	580	6500	82	8,000	114	43	A	10
20	220-240	E27	**FLE20HLX/T3/827/E27**	**82941**	1200	2700	82	8,000	124	59	A	10
20	220-240	B22	**FLE20HLX/T3/827/B22**	**88123**	1200	2700	82	8,000	123	59	A	10
20	220-240	E27	**FLE20HLX/T3/865/E27**	**43270**	1152	6500	82	8,000	124	59	A	10
24	220-240	E27	**FLE24HLX/T3/827/E27**	**62128**	1750	2700	82	8,000	134	59	A	10
24	220-240	E27	**FLE24HLX/T3/865/E27**	**62129**	1650	6500	82	8,000	134	59	A	10



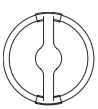
Spiral T4 High Power Factor (HPF) - 10,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
32	220-240	E27	**FLE32HLX/T4/827E27/HPF**	**76152**	2100	2700	80	10,000	172	66	A	6



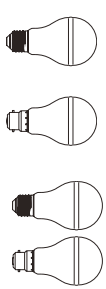
Circlite T5 - 6,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Diameter [mm]	EEC	Pack Qty
22	220-240	E27	**FLE22/CLITE/T5/827/E27**	**73767**	1800	2700	80	6,000	230	A	6
22	220-240	E27	**FLE22/CLITE/T5/865/E27**	**73768**	1700	6500	80	6,000	230	A	6



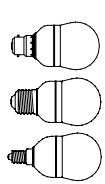
Energy Smart™ T2 - 10,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
9	220-240	E27	**FLE9AG/T2/830/E27**	**77368**	450	3000	80	10,000	115	60	A	6
9	220-240	B22	**FLE9AG/T2/830/B22**	**78233**	450	3000	80	10,000	117	60	A	6
9	220-240	E27	**FLE9AG/T2/865/E27**	**78686**	450	6500	80	10,000	115	60	A	6
11	220-240	E27	**FLE11AG/T2/830/E27**	**77367**	590	3000	80	10,000	115	60	A	6
11	220-240	B22	**FLE11AG/T2/830/B22**	**78234**	590	3000	80	10,000	117	60	A	6
11	220-240	E27	**FLE11AG/T2/865/E27**	**78687**	532	6500	80	10,000	115	60	A	6
15	220-240	E27	**FLE15AG/T2/830/E27**	**77366**	800	3000	80	10,000	115	60	A	6
15	220-240	B22	**FLE15AG/T2/830/B22**	**78235**	800	3000	80	10,000	117	60	A	6
15	220-240	E27	**FLE15AG/T2/865/E27**	**78688**	800	6500	80	10,000	115	60	A	6
20	220-240	E27	**FLE20AG/T3/830/E27**	**77365**	1152	3000	80	8,000	137	67	A	6
20	220-240	B22	**FLE20AG/T3/830/B22**	**78236**	1152	3000	80	8,000	139	67	A	6
20	220-240	E27	**FLE20AG/T3/865/E27**	**78689**	1152	6500	80	8,000	137	67	A	6

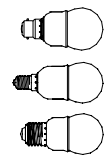


GLS T2/T3 - 6,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
8	220-240	E14	**FLE8GLS/T2/827/E14**	**88178**	370	2700	80	6,000	103.5	52.5	A	8
8	220-240	E27	**FLE8GLS/T2/827/E27**	**88180**	370	2700	80	6,000	100	52.5	A	8
8	220-240	B22	**FLE8GLS/T2/827/B22**	**88179**	370	2700	80	6,000	99	52.5	A	8
8	220-240	E14	**FLE8GLS/T2/840/E14**	**88151**	370	4000	80	6,000	103.5	52.5	A	10
8	220-240	E27	**FLE8GLS/T2/840/E27**	**88152**	370	4000	80	6,000	100	52.5	A	10
12	220-240	E14	**FLE12GLS/T2/827/E14**	**88177**	625	2700	80	6,000	113.5	56	A	6
12	220-240	E27	**FLE12GLS/T2/827/E27**	**88209**	625	2700	80	6,000	110	56	A	6
12	220-240	B22	**FLE12GLS/T2/827/B22**	**88208**	625	2700	80	6,000	109	56	A	6
12	220-240	E14	**FLE12GLS/T2/840/E14**	**88149**	600	4000	80	6,000	113.5	56	A	10
12	220-240	E27	**FLE12GLS/T2/840/E27**	**88150**	600	4000	80	6,000	110	56	A	10
15	220-240	E27	**FLE15GLS/T3/827/E27**	**88176**	830	2700	80	6,000	121	61	A	6
15	220-240	B22	**FLE15GLS/T3/827/B22**	**88175**	830	2700	80	6,000	120	61	A	6
15	220-240	E27	**FLE15GLS/T3/840/E27**	**88148**	825	4000	80	6,000	121	61	A	10
20	220-240	E27	**FLE20GLS/T3/827/E27**	**82151**	1160	2700	80	6,000	152	75	A	6

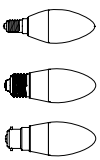


Compact Fluorescent Lamps Integrated



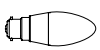
Spherical T2 - 6,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
5	220-240	E14	FLE5SPH/T2/827/E14	88839	200	2700	80	6,000	100	45	A	8
5	220-240	E27	FLE5SPH/T2/827/E27	78691	200	2700	80	6,000	89	45	A	8
5	220-240	B22	FLE5SPH/T2/827/B22	88841	200	2700	80	6,000	88	45	A	8
5	220-240	E14	FLE5SPH/T2/840/E14	73387	200	4000	80	6,000	100	45	A	10
5	220-240	E27	FLE5SPH/T2/840/E27	73389	200	4000	80	6,000	89	45	A	10
7	220-240	E14	FLE7SPH/T2/827/E14	88842	310	2700	80	6,000	100	45	A	8
7	220-240	B22	FLE7SPH/T2/827/B22	88844	310	2700	80	6,000	88	45	A	8
7	220-240	E27	FLE7SPH/T2/827/E27	75313	310	2700	80	6,000	89	45	A	8
7	220-240	E14	FLE7SPH/T2/840/E14	73402	310	4000	80	6,000	100	45	A	10
7	220-240	E27	FLE7SPH/T2/840/E27	73398	310	4000	80	6,000	89	45	A	10



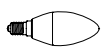
Candle T2 - 8,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
9	220-240	E14	FLE9CDL/T2/827/E14	63623	405	2700	82	8,000	113	37	A	8
9	220-240	E27	FLE9CDL/T2/827/E27	63624	405	2700	82	8,000	110.5	37	A	8
9	220-240	B15	FLE9CDL/T2/827/B15	97145	405	2700	82	8,000	111.5	37	A	8
9	220-240	B22	FLE9CDL/T2/827/B22	63625	405	2700	82	8,000	109.5	37	A	8
9	220-240	E14	FLE9CDL/T2/840/E14	65248	405	4000	82	8,000	113	37	A	8



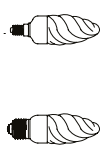
Candle T2 - 6,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
7	220-240	E14	FLE7CDL/T2/827/E14	75677	300	2700	80	6,000	108	37	A	8
7	220-240	E27	FLE7CDL/T2/827/E27	75311	300	2700	80	6,000	105	37	A	8
7	220-240	B22	FLE7CDL/T2/827/B22	88856	300	2700	80	6,000	104	37	A	10
7	220-240	E14	FLE7CDL/T2/840/E14	73451	300	4000	80	6,000	108	37	A	10
7	220-240	E27	FLE7CDL/T2/840/E27	73453	300	4000	80	6,000	105	37	A	10



Candle T3 - 6,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
11	220-240	E14	FLE11CDL/T3/827/E14	76198	580	2700	80	6,000	141	50	A	6
11	220-240	E27	FLE11CDL/T3/827/E27	76201	580	2700	80	6,000	141	50	A	6
11	220-240	B22	FLE11CDL/T3/827/B22	76202	580	2700	80	6,000	140	50	A	6



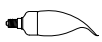
Twisted Candle T2 - 6,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
5	220-240	E14	FLE5TWSTCDL/OP/827/E14	78693	200	2700	82	6,000	112	40	A	6
5	220-240	E14	FLE5TWSTCDL/AMBER E14	78692	200	2400	82	6,000	112	40	A	6
7	220-240	E27	FLE7TWSTCDL/OP/827/E27	78695	310	2700	82	6,000	127	46	A	6
7	220-240	E14	FLE7TWSTCDL/AMBER E14	78694	310	2400	82	6,000	128	46	A	6
9	220-240	E14	FLE9TWSTCDL/OP/827/E14	78696	435	2700	82	6,000	138	50	A	6
9	220-240	E27	FLE9TWSTCDL/OP/827/E27	78697	435	2700	82	6,000	137	50	A	6



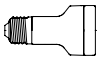
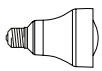
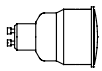
Twisted Candle T2 - 10,000 hours

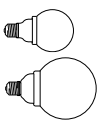
Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
9	220-240	E14	FLE9TWSTCDL/OP/827/E14	65265	405	2700	82	10,000	114	39	A	8
9	220-240	E27	FLE9TWSTCDL/OP/827/E27	65266	405	2700	82	10,000	111.5	39	A	8
9	220-240	B22	FLE9TWSTCDL/OP/827/B22	65267	405	2700	82	10,000	110.5	39	A	8



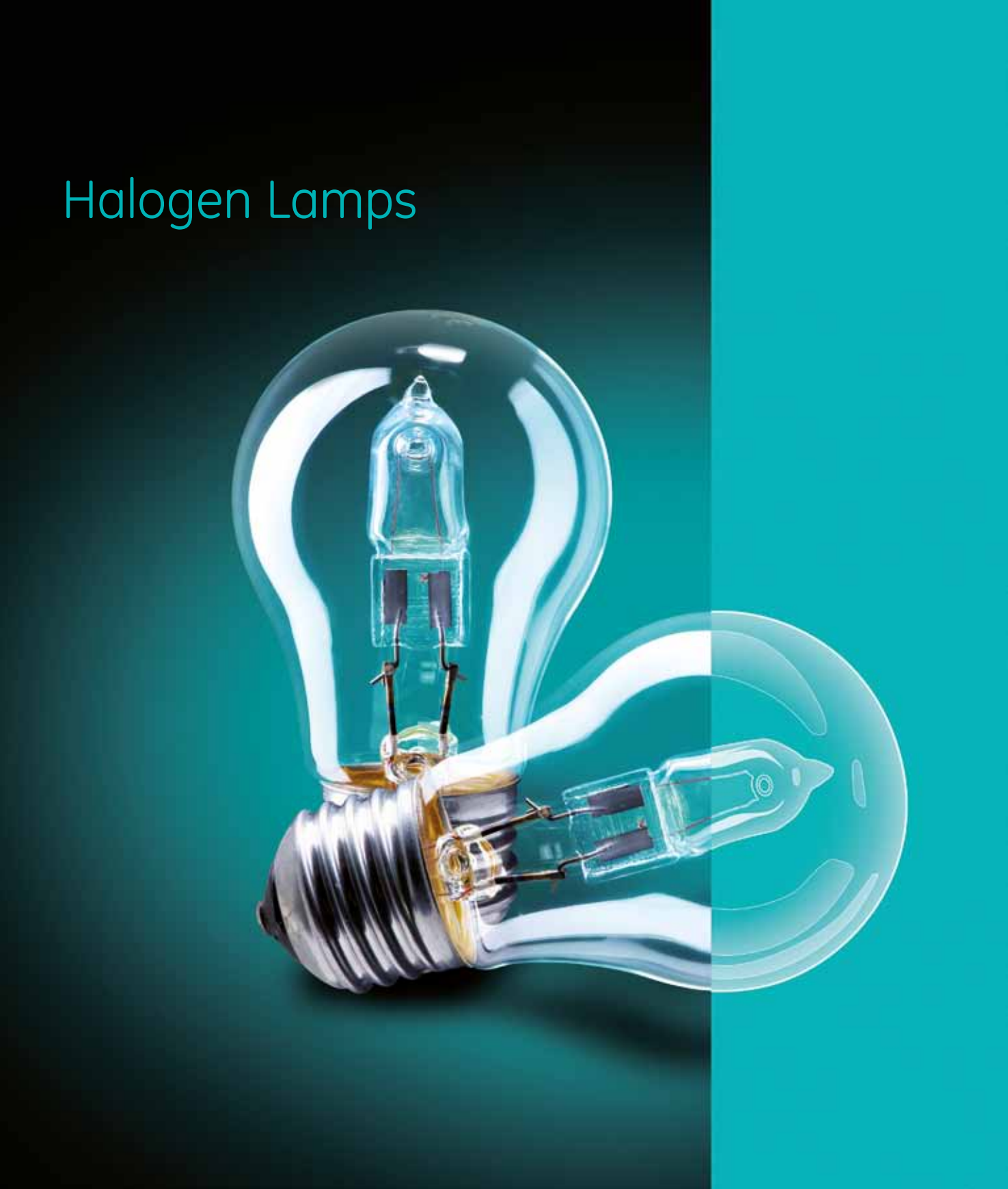
Bent Tip Candle T3 - 6,000 hours

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty
7	220-240	E14	FLE7BTCDL/OP/827/E14	88162	310	2700	82	6,000	158	44	A	10

Wattage [W]	Volts [V	Cap	Product Description	Product Code	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	Pack Qty	
Reflector T2 - 6,000 hours											
7	220-240	E14	**FLE7R50/T2/827/E14**	**88845**	2700	80	6,000	91	50	10	
7	220-240	E27	**FLE7R50/T2/827/E27**	**78701**	2700	80	6,000	91	50	10	
7	220-240	B22	**FLE7R50/T2/827/B22**	**78700**	2700	80	6,000	90	50	10	
7	220-240	E14	**FLE7R50/T2/840/E14**	**73403**	4000	80	6,000	91	50	10	
11	220-240	E14	**FLE11R63/T2/827/E14**	**78699**	2700	80	6,000	105	63	10	
11	220-240	E27	**FLE11R63/T2/827E27**	**88849**	2700	80	6,000	105	63	10	
11	220-240	B22	**FLE11R63/T2/827B22**	**88850**	2700	80	6,000	104	63	10	
11	220-240	E14	**FLE11R63/T2/840/E14**	**73405**	4000	80	6,000	105	63	10	
Reflector Genura R80 - 15,000 hours											
23	220-240	E27	**EFL23W/827/R80/E27**	**82174**	2700	80	15,000	130	83	6	
23	220-240	E27	**EFL23W/830/R80/E27**	**92246**	3000	80	15,000	130	83	6	
GU10 T2 - 6,000 hours											
7	220-240	GU10	**FLE7GU10/T2/827**	**73454**	2700	80	6,000	86.5	50	8	
9	220-240	GU10	**FLE9GU10/T2/827**	**78702**	2700	80	6,000	86.5	50	8	

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Rated life [h]	Length [mm]	Diameter [mm]	EEC	Pack Qty	
Globe T3 - 8,000 hours													
15	220-240	E27	**FLE15GG/827/E27**	**96776**	805	2700	80	8,000	156	95	A	6	
15	220-240	E27	**FLE15GG/840/E27**	**96778**	805	4000	80	8,000	156	95	A	6	
20	220-240	E27	**FLE20GG/827/E27**	**96780**	1152	2700	80	8,000	171	105	A	6	
20	220-240	E27	**FLE20GG/840/E27**	**96794**	1152	4000	80	8,000	171	105	A	6	
23	220-240	E27	**FLE23GG/827/E27**	**96793**	1371	2700	80	8,000	176	110	A	6	
23	220-240	E27	**FLE23GG/840/E27**	**96790**	1371	4000	80	8,000	176	110	A	6	

Halogen Lamps



Instant powerful bright light. Invented in 1958 by GE.

Up to 30%	**energy savings compared to conventional lamps**
Instant re-start	**full light output immediately**
Crisp white light,	**CCT up to 3000K**
100% dimmable	**for additional cost savings**
Remarkable colour	**rendering, close to natural light (100% CRI)**
0% mercury and lead	**Environmentally friendly technology**

Halogen lights are the ideal replacement for inefficient incandescent lamps, as their way of operation is exactly the same but they have a smaller physical size.

GE halogen lighting is perfect for accent, display and general lighting in a wide variety of commercial, industrial and residential uses.



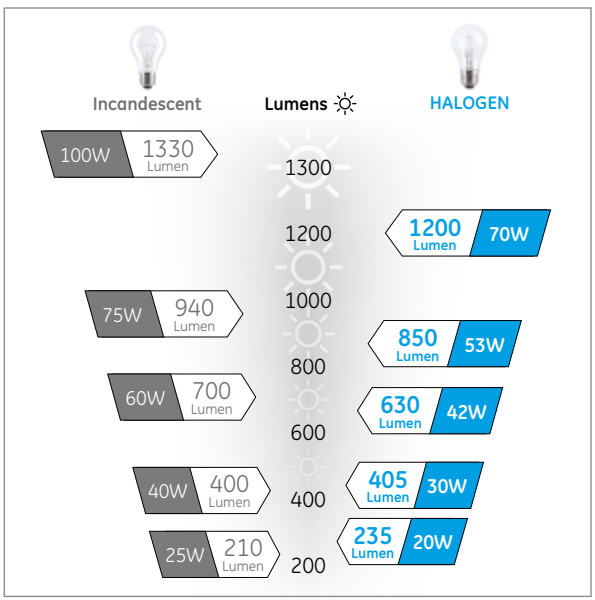


Home Hospitality

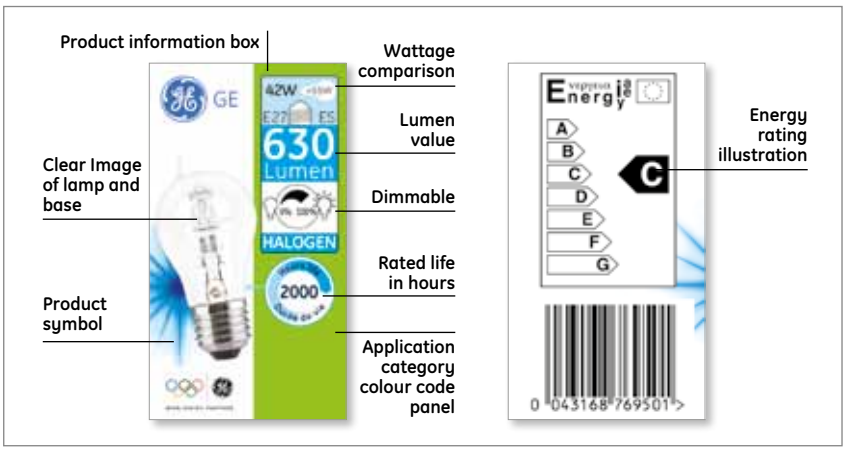
Switching from Watts to Lumens

Traditional light bulbs are being phased out and modern light technologies use different amounts of power to achieve the same amount of light. Instead of referring to watts anymore, we now need to measure and compare light in terms of lumens.

GE's halogen lamps look just the same as traditional bulbs, with the same bright quality light, but cut down on energy consumption by up to 30%.
Available in standard candle, spherical and reflector shapes, our lamps create a stunning light, and can also be used with dimming switches for a cosier atmosphere.



Quick guide to GE Lighting packaging



Precise™ ConstantColor™ MR16 IR

Energy efficient low voltage halogen reflector lamps with dichroic mirror



GE's halogen IR (infrared) range of low voltage reflector lamps provide up to 43% energy savings over conventional MR16 lamps and – with the addition of the patented GE reflector coating technology – unparalleled colour rendering throughout life.

Incandescent and halogen lamps lose approximately 76% of the input energy by radiating heat, and convert only 8% into useful light. The Precise™ IR halogen capsule has multiple layers of very durable, thin, interference film which redirects heat back onto the lamp filament. This allows it to give off more visible light for the same input power.



- **Up to 43% energy savings compared to standard products**
- **very good white light and cool beam characteristics**
- **Long 5000 hour life, 2.5x longer than standard MR16's**
- **UV control reduces fading and discolouration**



Decor HaloGLS
Familiar shape and light

GE's retrofit halogen lamp range is a direct replacement for regular incandescent lamps offering a crisp white light.





- **EEH lamps are 100% retrofit**
- **Last twice as long as incandescent lamps**
- **Can be used with dimming switches**
- **Instant–on, full light output at start-up**
- **Environmentally friendly with no lead and mercury**



Halogen Lamps

Low Voltage Reflectors



MR11
Cap: GU4
Wattages: 12-35W
Volts: 12
Rated life: 2,000 - 3,500Hrs
Page VI.8



Precise™ ConstantColor™ MR16 IR
Cap: GU5.3
Wattages: 20-45W
Volts: 12
Rated life: 5,000Hrs
Page VI.8



Precise™ MR16 IR
Cap: GU5.3
Wattages: 20-45W
Volts: 12
Rated life: 5,000Hrs
Page VI.8



Precise™ ConstantColor™ MR16
Cap: GU5.3
Wattages: 20-71W
Volts: 12
Rated life: 4,000-6,000Hrs
Page VI.9



Precise™ Bright 5000 MR16
Cap: GU5.3
Wattages: 20-50W
Volts: 12
Beam Spread: 18-60°
Rated life: 5,000Hrs
Page VI.9



MR16 Start
Cap: GU5.3
Wattages: 20-50W
Volts: 12
Rated life: 2,000Hrs
Page VI.9



Precise™ Alutech™ MR16 - Closed
Cap: GU5.3
Wattages: 20-50W
Volts: 12
Rated life: 3,000Hrs
Page VI.10



AR111 Aluminium Reflector
Cap: G53
Wattages: 35-75W
Volts: 12
Rated life: 2,000-3,000Hrs
Page VI.10

Mains Voltage Reflectors



GU10 Energy Saver
Cap: GU10
Wattages: 35W
Volts: 230, 240
Rated life: 2,000Hrs
Page VI.10



MR16 Mains Alutech™
Cap: GU10
Wattages: 20-50W
Volts: 230-240
Rated life: 2,000Hrs
Page VI.10



MR16 Mains Alutech™ - Coloured
Cap: GU10
Wattages: 50W
Volts: 240
Rated life: 1,500Hrs
Page VI.10



PAR Reflector 16, 20, 25, 30
Cap: E14, E27
Wattages: 40-100W
Volts: 230, 240
Rated life: 2,000-3,000Hrs
Page VI.11

Capsules



Mains Voltage Capsule G9
Cap: G9
Wattages: 33-42W
Volts: 230, 240
Rated life: 2,000Hrs
Page VI.11



Low voltage capsule - Trans-versal Filament
Cap: G4 or GY6.35
Wattages: 5-100W
Volts: 6, 12, 24
Rated life: 4,000Hrs
Page VI.11



Low voltage capsule - Axial Filament
Cap: G4 or GY6.35
Wattages: 10-100W
Volts: 6, 12
Rated life: 2,000Hrs
Page VI.12

Selector

Linear

Linear 117 mm

Cap: R7s
Wattages: 130-330W
Volts: 230, 240
Rated life: 1,000Hrs

Page VI.12

Linear 78 mm

Cap: R7s
Wattages: 100W
Rated life: 1,000Hrs

Page VI.12

Linear - High Watt

Cap: R7s
Wattages: 1000-2000W
Rated life: 2,000Hrs

Page VI.12

Decor



GLS

Cap: E27, B22
Wattages: 20-100W
Volts: 230, 240
Rated life: 2,000Hrs

Page VI.13



Candle

Cap: E14, E27, B15, B22
Wattages: 20-42W
Volts: 230, 240
Rated life: 2,000Hrs

Page VI.13



Spherical

Cap: E14, B15, E27, B22
Wattages: 20-42W
Volts: 230, 240
Rated life: 2,000Hrs

Page VI.13



Reflector

Cap: E14, E27
Wattages: 28-70W
Rated life: 2,000Hrs

Page VI.14

Tubular



Tubular T38

Cap: E40
Wattage: 1000
Volts: 230, 240
Rated life: 2,000

Page VI.14

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where Rated Life is stated we refer to the industry standard definition of how many hours of operation 50% of a given installation will exceed.

Additional parameters:
Lumens: Light output
EEC: Energy Efficiency Class

Watts: Energy Used – Nominal Watts. To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000

Cap: The type of cap fitted. See page 148-149 for cap drawings

Product description: The lamp's identification code

Peak Beam Candelas: For reflector type lamps. Luminous intensity of the lamp beam expressed in candelas

CCT (K): Colour Temperature - Kelvins: A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value the whiter or "cooler" the light appears

Diameter: Bulb diameter in mm

Pack quantity: Number of product units packed in a case

Precise™ MR11 - Open

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
20	12	GU4	**M62/FTD**	**19626**	550	26	2900	3,500	35.3	40	10
35	12	GU4	**M66/FTF**	**19635**	2300	21	2900	3,500	35.3	40	10
35	12	GU4	**M199/FTH**	**19634**	1300	26	2900	3,500	35.3	40	10

M62 / FTD

Class M Numerical index, industry code specifying lamp type

FTD - ANSI code Industry code specifying lamps type defined by the American National Standard Institute

Volts: Lamp data is based on operation at rated voltage

Product code: It is important to use this code when ordering to ensure that you receive the exact product you require

Beam Spread Degrees: For reflector type lamps. The angle of the cone of light produced by a reflector lamp at 50% of its intensity

Rated Life: The point in time when 50% of installed lamps are still burning

Length: Lamp length in mm

MR11

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty	Open/Closed
12	12	GU4	**M264/FTA/CG**	**19639**	3960	8	2900	2,000	35.3	45	10	closed
20	12	GU4	**M251/FTC/CG**	**19636**	1800	17	2900	3,500	35.3	45	10	closed
20	12	GU4	**M62/FTD**	**19626**	550	26	2900	3,500	35.3	40	10	open
20	12	GU4	**M262/FTD/CG**	**19625**	490	26	2900	3,500	35.3	45	10	closed
20	12	GU4	**FTD/M262/CG**	**17200**	490	26	2900	2,000	35	40	10	closed
35	12	GU4	**M66/FTF**	**19635**	2300	21	2900	3,500	35.3	40	10	open
35	12	GU4	**M266/FTF/CG**	**19627**	2070	21	2900	3,500	35.3	45	10	closed
35	12	GU4	**M199/FTH**	**19634**	1300	26	2900	3,500	35.3	40	10	open
35	12	GU4	**FTF/M199/CG**	**17201**	1150	26	2900	2,000	35	40	10	closed




Precise™ ConstantColor™ MR16 IR

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
20	12	GU5.3	**Q20MR16HIR/CCG10**	**77900**	6000	10	2900	5,000	50.7	50.5	20
20	12	GU5.3	**Q20MR16HIR/CCG24**	**77901**	2300	24	2900	5,000	50.7	50.5	20
20	12	GU5.3	**Q20MR16HIR/CCG36**	**77902**	1000	36	2900	5,000	50.7	50.5	20
20	12	GU5.3	**Q20 MR16HIR CG35CD**	**77910**	1000	36	2900	5,000	50.7	50.5	20
30	12	GU5.3	**Q30MR16HIR/CCG10**	**79584**	10000	10	2950	5,000	50.7	50.5	20
30	12	GU5.3	**Q30MR16HIR/CCG24**	**79585**	3350	24	2950	5,000	50.7	50.5	20
30	12	GU5.3	**Q30MR16HIR/CCG36**	**79586**	1600	36	2950	5,000	50.7	50.5	20
35	12	GU5.3	**Q35MR16HIR/CCG10**	**77904**	12000	10	2950	5,000	50.7	50.5	20
35	12	GU5.3	**Q35MR16HIR/CCG24**	**77905**	4200	24	2950	5,000	50.7	50.5	20
35	12	GU5.3	**Q35MR16HIR/CCG36**	**77906**	2000	36	2950	5,000	50.7	50.5	20
45	12	GU5.3	**Q45MR16HIR/CCG10**	**77907**	14000	10	3000	5,000	50.7	50.5	20
45	12	GU5.3	**Q45MR16HIR/CCG24**	**77908**	5200	24	3000	5,000	50.7	50.5	20
45	12	GU5.3	**Q45MR16HIR/CCG36**	**77909**	2300	36	3000	5,000	50.7	50.5	20
35	12	GU5.3	**Q35 MR16HIR CG35CD**	**77911**	2000	36	2950	5,000	50.7	50.5	20
35	12	GU5.3	**Q35MR16HIRCG35CD**	**79017**	2000	36	2950	5,000	50.7	50.5	20
35	12	GU5.3	**Q35MR16HIR/CCG55**	**79233**	1000	55	2950	5,000	50.7	50.5	20




Precise™ MR16 IR

20	12	GU5.3	**MR16 IR 20W 12V FL**	**77657**	1000	36	2900	5,000	50.7	50.5	10
20	12	GU5.3	**MR16 IR 20W 12V FL**	**77659**	1000	36	2900	5,000	50	46	10
30	12	GU5.3	**MR16 IR 30W 12V FL**	**62163**	1600	36	2950	5,000	50	46	10
35	12	GU5.3	**MR16 IR 35W 12V FL**	**77658**	2000	36	2950	5,000	50.7	50.5	10
35	12	GU5.3	**MR16 IR 35W 12V FL**	**63953**	2000	36	2950	5,000	50	46	10
35	12	GU5.3	**MR16 IR 35W 12V FL**	**77670**	2000	36	2950	5,000	50	46	10
35	12	GU5.3	**MR16 IR 35W 12V WFL**	**79234**	1000	55	2950	5,000	50	46	10




Halogen Lamps













Precise™ ConstantColor™ MR16

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty	Open/Closed
20	12	GU5.3	**ESX/CG**	**20858**	3150	15	3000	5,000	50.7	50.5	10	closed
20	12	GU5.3	**BAB/CG**	**20857**	475	40	3000	5,000	50.7	50.5	20	closed
35	12	GU5.3	**FRB/CG**	**20864**	7500	12	3000	5,000	50.7	50.5	20	closed
35	12	GU5.3	**FRA/CG**	**20860**	3200	20	3000	5,000	50.7	50.5	20	closed
35	12	GU5.3	**FMW/CG**	**20859**	900	40	3000	5,000	50.7	50.5	20	closed
50	12	GU5.3	**EXT/CG**	**20872**	8400	15	3000	6,000	50.7	50.5	10	closed
50	12	GU5.3	**EXZ/CG**	**20871**	2900	25	3000	6,000	50.7	50.5	20	closed
50	12	GU5.3	**EXN/CG**	**20867**	1500	40	3000	6,000	50.7	50.5	20	closed
50	12	GU5.3	**FNV/CG**	**20865**	850	55	3000	6,000	50.7	50.5	10	closed
71	12	GU5.3	**EYF/CG**	**20876**	10400	15	3000	4,000	50.7	50.5	20	closed
71	12	GU5.3	**EYJ/CG**	**20874**	4550	25	3000	4,000	50.7	50.5	20	closed
71	12	GU5.3	**EYJ/CC**	**20841**	5500	25	3000	4,000	50.7	46	20	open
71	12	GU5.3	**EYC/CG**	**20873**	2000	40	3000	4,000	50.7	50.5	20	closed
71	12	GU5.3	**EYC/CC**	**20840**	2000	42	3000	4,000	50.7	46	20	open

Precise™ Bright 5000 MR16

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty	Open/Closed
20	12	GU5.3	**M69/BAB**	**88231**	480	36	2900	5,000	50.7	46	10	open
20	12	GU5.3	**M269/BAB/CG**	**88235**	450	36	2900	5,000	50.7	50.5	10	closed
35	12	GU5.3	**M81/FMW**	**88229**	1390	36	2900	5,000	50.7	46	10	open
35	12	GU5.3	**M281/FMW/CG**	**88236**	1300	36	2900	5,000	50.7	50.5	10	closed
50	12	GU5.3	**M58/EXN**	**88234**	2250	36	2900	5,000	50.7	46	10	open
50	12	GU5.3	**M250/EXZ/CG**	**88237**	4750	18	2900	5,000	50.7	50.5	10	closed
50	12	GU5.3	**M258/EXN/CG**	**88239**	2100	36	2900	5,000	50.7	50.5	10	closed
50	12	GU5.3	**M280/FNV/CG**	**88238**	950	60	2900	5,000	50.7	50.5	10	closed
50	12	GU5.3	**M80/FNV**	**88232**	1070	60	2900	5,000	50.7	46	10	open

MR16 Start

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty	Open/Closed
20	12	GU5.3	**M268/ESX/CG/EC**	**38012**	3150	12	2900	2,000	50.7	50.5	20	closed
20	12	GU5.3	**M269/BAB/CG/EC**	**38006**	450	36	2900	2,000	50.7	50.5	20	closed
35	12	GU5.3	**M81/FMW/EC**	**38001**	925	36	2900	2,000	50.7	47.6	20	open
35	12	GU5.3	**FRB/CG/EC**	**38013**	6750	12	2900	2,000	50.7	50.5	20	closed
35	12	GU5.3	**M281/FMW/CG/EC**	**38007**	830	36	2900	2,000	50.7	50.5	20	closed
50	12	GU5.3	**M249/EXT/CG/EC**	**38014**	8550	12	2900	2,000	50.7	50.5	20	closed
50	12	GU5.3	**M250/EXZ/CG/EC**	**39611**	2700	24	2900	2,000	50.7	50.5	20	closed
50	12	GU5.3	**M258/EXN/CG/EC**	**38011**	1350	36	2900	2,000	50.7	50.5	20	closed
50	12	GU5.3	**M58/EXN/EC**	**38002**	1500	36	2900	2,000	50.7	47.6	20	open
50	12	GU5.3	**M280/FNV/CG/EC**	**39236**	630	55	2900	2,000	50.7	50.5	20	closed

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
Precise™ Alutech™ MR16 - Closed											
20	12	GU5.3	**M269/BAB/CG/AL**	**88216**	450	36	2900	3,000	50.7	50.5	10
35	12	GU5.3	**M281/FMW/CG/AL**	**88217**	1300	36	2900	3,000	50.7	50.5	10
50	12	GU5.3	**M258/EXN/CG/AL**	**88215**	1800	36	2900	3,000	50.7	50.5	10
50	12	GU5.3	**M280/FNW/CG/AL**	**88214**	700	60	2900	3,000	50.7	50.5	10
AR111 - Aluminium Reflector											
35	12	G53	**AR111 35W12V SP**	**10774**	14000	8	2900	2,000	111	67	10
35	12	G53	**AR111 35W12V FL**	**10775**	2500	24	2900	2,000	111	67	10
50	12	G53	**AR111 50W12V SP**	**10766**	17800	8	2900	3,000	111	67	10
50	12	G53	**AR111 50W12V FL**	**10767**	3500	24	2900	3,000	111	67	10
75	12	G53	**AR111 75W12V SP**	**10768**	23500	8	2900	3,000	111	67	10
75	12	G53	**AR111 75W12V FL**	**10769**	5300	24	2900	3,000	111	67	10
75	12	G53	**AR111 75W12V WFL**	**10771**	1700	45	2900	3,000	111	67	10
GU10 Energy Saver											
35	240	GU10	**Q35MR16240V GU10ES FL**	**63962**	600	36	2800	2,000	50	55	24
35	230	GU10	**Q35MR16230V GU10ES FL**	**63963**	600	36	2800	2,000	50	55	10
MR16 Mains Alutech™											
20	230	GU10	**Q20MR16/230/FL**	**10898**	200	36	2700	2,000	51	55	10
35	230	GU10	**Q35MR16/230/FL**	**10896**	400	36	2700	2,000	51	55	10
50	230	GU10	**Q50MR16/230/FL**	**92729**	600	36	2700	2,000	51	55	10
20	240	GU10	**Q20MR16/240/FL**	**10859**	200	36	2700	2,000	51	55	10
35	240	GU10	**Q35MR16/240/FL**	**10857**	400	36	2700	2,000	51	55	10
50	240	GU10	**Q50MR16/240/FL**	**92730**	600	36	2700	2,000	51	55	10

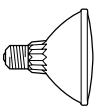
Colour	Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
MR16 Mains Alutech™ - Coloured												
Red	**50**	240	GU10	**Q50MR16/240/FL**	**12988**	600	36	2700	1,500	51	55	10
Blue	**50**	240	GU10	**Q50MR16/240/FL**	**12995**	600	36	2700	1,500	51	55	10
Yellow	**50**	240	GU10	**Q50MR16/240/FL**	**13003**	600	36	2700	1,500	51	55	10

Halogen Lamps

PAR Reflector

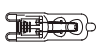






Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
40	230	E14	**40PAR16/230/FL**	**27826**	950	25	2800	2,000	51	79	10
40	240	E14	**40PAR16/240/FL**	**27845**	950	25	2800	2,000	51	79	10
50	230	E27	**50PAR20/230/SP**	**40363**	3000	10	2800	2,000	64.5	91	15
50	230	E27	**50PAR20/230/FL**	**40362**	1000	25	2800	2,000	64.5	91	15
50	240	E27	**50PAR20/240/FL**	**40365**	1000	25	2800	2,000	64.5	91	15
75	230	E27	**75PAR25/230/FL**	**91775**	1300	25	2800	3,000	81	108	15
75	240	E27	**75PAR25/240/FL**	**92165**	1300	25	2800	3,000	81	108	15
75	230	E27	**75PAR30/230/SP**	**40366**	6200	10	2800	2,000	97	90.5	15
75	230	E27	**75PAR30/230/FL**	**40349**	2000	30	2800	2,000	97	90.5	15
75	240	E27	**75PAR30/240/SP**	**40367**	6200	10	2800	2,000	97	90.5	15
75	240	E27	**75PAR30/240/FL**	**40361**	2000	30	2800	2,000	97	90.5	15
100	230	E27	**100PAR30/230/FL**	**32484**	3100	30	2800	3,000	97	90.5	15
100	240	E27	**100PAR30/240/FL**	**32482**	3100	30	2800	3,000	97	90.5	15

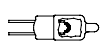
Mains voltage capsule G9



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
33	240	G9	**SHORTG9 33W CL 240V**	**97278**	460	2800	2,000	13	43	10
33	230	G9	**SHORTG9 33W CL 230V**	**97279**	460	2800	2,000	13	43	10
42	230	G9	**SHORTG9 42W CL 230V**	**64126**	630	2800	2,000	13	43	10

Low voltage capsule - Transversal Filament







10	6	G4	**M29/Q10 G4**	**34720**	200	2800	100	9	33	20
20	6	G4	**M30/ESB/Q20 G4**	**34718**	450	2900	100	9	33	20
20	6	G4	**M34/FHE/Q20 G4**	**34719**	350	2900	2,000	9	33	20
5	12	G4	**M9/H5 G4**	**42959**	60	2800	2,000	9	33	20
10	12	G4	**M11/H10 G4**	**34674**	140	2800	2,000	9	33	20
10	12	G4	**M11/Q10/G4 ST**	**12708**	100	2800	1,000	10	33	20
20	12	G4	**M35/Q20 G4**	**34714**	400	2900	250	9	33	20
20	12	G4	**M47/Q20 G4**	**34715**	380	2900	2,000	9	33	100
35	12	GY6.35	**M95/Q35/GY6.35**	**34708**	550	2900	3,000	11	44	100
50	12	GY6.35	**M32/Q50 GY6.35**	**34702**	930	2900	4,000	11	44	100
75	12	GY6.35	**M313/Q75/GY6.35**	**34682**	1350	2900	2,000	11	44	20
100	12	GY6.35	**M28/Q100 GY6.35**	**34676**	2200	2900	3,000	11	44	100
100	24	GY6.35	**M67/Q100 GY6.35 24V**	**34663**	2000	2900	2,000	11	44	100

Low voltage capsule - Axial Filament

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
10	6	G4	**M42/Q10 G4**	**34728**	140	2800	2,000	9	33	20
10	12	G4	**Q10T2,5/12V G4**	**35705**	140	2800	2,000	9	33	20
20	12	GY6.35	**M76/Q20/GY6.35**	**34712**	300	2900	3,000	11	44	100
20	12	G4	**Q20T2,5/12V G4**	**35710**	320	2900	2,000	9	33	20
20	12	GY6.35	**Q20T3/12V GY6.35**	**35696**	300	2900	2,000	11	44	20
35	12	GY6.35	**M75/Q35/GY6.35**	**34710**	600	2900	4,000	11	44	100
35	12	GY6.35	**Q35T3/12V GY6.35**	**35699**	600	2900	2,000	11	44	20
50	12	GY6.35	**M74/Q50/GY6.35**	**34703**	900	2900	4,000	11	44	100
50	12	GY6.35	**Q50T3/12V GY6.35**	**35700**	900	2900	2,000	11	44	20
75	12	GY6.35	**Q75T3/12V GY6.35**	**35701**	1350	2900	2,000	11	44	20
75	12	GY6.35	**M73/Q75/GY6.35**	**34683**	1350	2900	4,000	11	44	20
100	12	GY6.35	**M180/Q100/GY6.35**	**34664**	2150	2900	4,000	11	44	20





Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
130	230	R7s	**K11 C130W 230V R7S 117MM**	**63951**	2440	2900	1,000	8.8	119	C	10
330	230	R7s	**K1 C330W 230V R7S 117MM**	**64967**	7000	3000	1,000	10	119	C	10
200	230	R7s	**K9 C200W 230V R7S 117MM**	**64968**	4000	3000	1,000	8	119	C	10
330	240	R7s	**K1 C330W 240V R7S 117MM**	**64970**	7000	3000	1,000	8	119	C	10
200	240	R7s	**K9 C200W 240V R7S 117MM**	**64971**	4000	3000	1,000	8	119	C	10
130	230	R7s	**K11 C130W 230V R7S 117MM**	**64973**	2440	2900	1,000	8.8	119	C	10
130	240	R7s	**K11 C130W 240V R7S 117MM**	**64974**	2440	2900	1,000	8.8	119	C	10

Linear 78mm

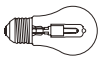
Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
100	230	R7s	**K12 C100W 230V R7S 78MM**	**76210**	1900	2900	1,000	8	80.1	C	10
100	240	R7s	**K12 C100W 240V R7S 78MM**	**76530**	1900	2900	1,000	8	80.1	C	10



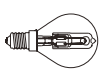
Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
1000	230	R7s	**K4 1000W 230V R7S 189MM BX**	**29180**	21000	3,000	2,000	10	190.5	10
1000	240	R7s	**K4 1000W 240V R7S 189MM BX**	**29181**	21000	3,000	2,000	10	190.5	10
1500	230	R7s	**K5 1500W 230V R7S 254MM BX**	**29184**	32000	3,000	2,000	10	255.5	10
1500	240	R7s	**K5 1500W 240V R7S 254MM BX**	**29187**	32000	3,000	2,000	10	255.5	10
2000	230	R7s	**K8 2000W 230V R7S 331MM BX**	**30886**	44000	3,000	2,000	10	332.2	10



Halogen Lamps







GLS

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
20	230	E27	**20W HALO A CL E27 230V**	**98410**	235	2800	2,000	50	89.5	C	10
30	240	B22	**30W HALO A CL B22 240V8**	**98361**	405	2800	2,000	50	89.5	C	8
30	230	E27	**30W HALO A CL E27 230V**	**98362**	405	2800	2,000	50	89.5	C	10
30	240	E27	**30W HALO A CL E27 240V**	**98406**	405	2800	2,000	50	89.5	C	8
42	240	B22	**42W HALO A CL B22 240V**	**62575**	630	2800	2,000	50	89.5	C	8
42	230	E27	**42W HALO A CL E27 230V**	**63613**	630	2800	2,000	50	89.5	C	10
42	240	E27	**42W HALO A CL E27 240V**	**79422**	630	2800	2,000	50	88	C	8
53	240	B22	**53W HALO A CL B22 240V**	**64993**	850	2900	2,000	50	89.5	C	8
53	230	E27	**53W HALO A CL E27 230V**	**63959**	850	2900	2,000	50	89.5	C	10
53	240	E27	**53W HALO A CL E27 240V**	**63961**	850	2900	2,000	50	89.5	C	8
70	240	B22	**70W HALO A CL B22 240V**	**62576**	1200	2900	2,000	50	89.5	C	8
70	230	E27	**70W HALO A CL E27 230V**	**63612**	1200	2900	2,000	50	89.5	C	10
70	240	E27	**70W HALO A CL E27 240V**	**79423**	1200	2900	2,000	50	89.5	C	8
100	230	E27	**100W HALO A CL E27 230V**	**97246**	1800	2900	2,000	50	89.5	C	10
100	240	E27	**100W HALO A CL E27 240V**	**97243**	1800	2900	2,000	50	89.5	C	8
100	240	B22	**100W HALO A CL B22 240V**	**97244**	1800	2900	2,000	50	89.5	C	8

Candle

20	230	E14	**20W HALO C CL E14 230V**	**98402**	235	2900	2,000	36	100	D	10
30	230	E14	**30W HALO C CL E14 230V**	**98398**	405	2900	2,000	36	100	D	10
42	230	E14	**42W HALO C CL E14 230V**	**76575**	630	2900	2,000	36	100	C	10
30	230	E27	**30W HALO C CL E27 230V**	**98396**	405	2900	2,000	36	100	D	10
42	230	E27	**42W HALO C CL E27 230V**	**76573**	630	2900	2,000	36	100	C	10
20	240	E14	**20W HALO C CL E14 240V**	**98399**	235	2900	2,000	36	100	D	12
30	240	E14	**30W HALO C CL E14 240V**	**98392**	405	2900	2,000	36	100	D	12
42	240	E14	**42W HALO C CL E14 240V**	**76569**	630	2900	2,000	36	100	C	12
30	240	E27	**30W HALO C CL E27 240V**	**98391**	405	2900	2,000	36	100	D	12
42	240	E27	**42W HALO C CL E27 240V**	**76568**	630	2900	2,000	36	100	C	12
30	240	B15	**30W HALO C CL B15 240V**	**98394**	405	2900	2,000	36	100	D	12
42	240	B15	**42W HALO C CL B15 240V**	**76571**	630	2900	2,000	36	100	C	12
20	240	B22	**20W HALO C CL B22 240V**	**98400**	235	2900	2,000	36	100	D	12
30	240	B22	**30W HALO C CL B22 240V**	**98393**	405	2900	2,000	36	100	D	12
42	240	B22	**42W HALO C CL B22 240V**	**76570**	630	2900	2,000	36	100	C	12

Spherical

20	230	E14	**20W HALO S CL E14 230V**	**98390**	235	2900	2,000	45	78	D	10
30	230	E14	**30W HALO S CL E14 230V**	**98384**	405	2900	2,000	45	78	D	10
42	230	E14	**42W HALO S CL E14 230V**	**76553**	630	2900	2,000	45	78	C	10
20	230	E27	**20W HALO S CL E27 230V**	**98388**	235	2900	2,000	45	78	D	10
30	230	E27	**30W HALO S CL E27 230V**	**98382**	405	2900	2,000	45	78	D	10
42	230	E27	**42W HALO S CL E27 230V**	**76551**	630	2900	2,000	45	78	C	10
20	240	E14	**20W HALO S CL E14 240V**	**98385**	235	2900	2,000	45	78	D	12
30	240	E14	**30W HALO S CL E14 240V**	**98378**	405	2900	2,000	45	78	D	12
42	240	E14	**42W HALOS CL E14 240V**	**76548**	630	2900	2,000	45	78	C	12
30	240	E27	**30W HALO S CL E27 240V**	**98377**	405	2900	2,000	45	78	D	12
42	240	E27	**42W HALOS CL E27 240V**	**76547**	630	2900	2,000	45	78	C	12
30	240	B15	**30W HALO S CL B15 240V**	**98380**	405	2900	2,000	45	78	D	12
20	240	B22	**20W HALO S CL B22 240V**	**98386**	235	2900	2,000	45	78	D	12
30	240	B22	**30W HALO S CL B22 240V**	**98379**	405	2900	2,000	45	78	D	12
42	240	B22	**42W HALOS CL B22 240V**	**76549**	630	2900	2,000	45	78	C	12

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	CCT [K]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
Reflector										
28	230	E14	**28W HALO R50 E14 230V**	**76546**	220	2900	2,000	50	86	10
42	230	E27	**42W HALO R63 E27 230V**	**76543**	600	2900	2,000	63.5	101	10
42	230	E27	**42W HALO R80 E27 230V**	**76540**	230	2900	2,000	80	121	10
70	230	E27	**70W HALO R80 E27 230V**	**76537**	TBD	2900	2,000	80	121	10
28	240	E14	**28W HALO R50 E14 240V**	**76544**	220	2900	2,000	50	86	8
42	240	E27	**42W HALO R63 E27 240V**	**76541**	600	2900	2,000	63.5	101	6
42	240	E27	**42W HALO R80 E27 240V**	**76538**	230	2900	2,000	80	121	6
Tubular T8										
1000	230	E40	**Halo T38/1000W/E40/230**	**32108**	21000	2900	2,000	38	280	10
1000	240	E40	**Halo T38/1000W/E40/240**	**32109**	21000	2900	2,000	38	280	10





Entertainment Solutions



Entertainment lighting solutions

Range of lamp technologies	incandescent, halogen, discharge and fluorescent
Multiple applications	including Film, TV, Studio, Theatre, Disco, Event and many more
Extensive range	from low watt up to 24,000W with a variety of bases
Variety of bases	large range of bases to fit most known fixtures
Performance	consistent lamp to lamp performance
Output	up to 2.1 million lumens



SHOWBIZ®
for stage, studio, film and event lighting



- Film and Broadcast
- Event and Tour
- Club and Disco
- Theatre
- Other applications

Main application areas

GE Lighting is a leading supplier to the entertainment industry offering a range of lamp technologies for use in applications including stage, studio, film and event lighting. GE entertainment lamps are sold under the SHOWBIZ® brand.

Film and Broadcast
Lamps for use in film and studio production.

Event and Tour
Lamps primarily used in events and concert tours, although some of this range may also be used in Club/Disco applications.

Club and Disco
Lamps primarily used in clubs and discos, although some of this range may also be used in Event/Tour applications.
Also, other sealed beam applications are included in this section

Theatre
Lamps that are primarily used in theatrical applications or indoor events.

Other applications
The technology used in GE's entertainment range also has applications in the field of architectural lighting where long life is required. There is also a range for specialist projection and photography.



SHOWBIZ®
Film and Broadcast

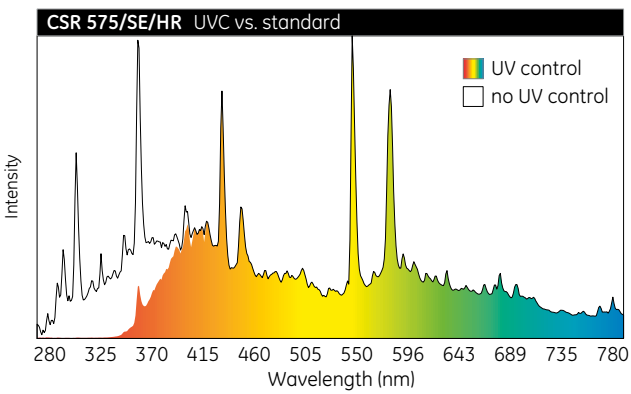
GE has a wide range of halogen and metal halide lamps for use in film and broadcast lighting for both studio and location lighting. GE also offers a low energy compact fluorescent lighting solution for soft lighting in studios.

CSR UltraViolet-Control range

With rising awareness of UV emissions, GE leads the way with its SHOWBIZ® UV-Control lamps. Using a specially designed absorbing quartz these products offer greatly reduced UV emissions over standard products with no compromise to performance - there is simply much less UV: 98% in the UVC band. GE offers the largest range of UV-Control lamps from 200W to 12,000W. The significant reduction in UV can help extend the life of components of fixtures and protect users from any light spill from the back of the fixture.

The International Commission on Illumination (CIE) defines the UV bands as UV-A (315-400nm); UV-B (280-315nm) and UV-C (100-280nm). GE uses a UV blocking titanium-cerium doped clear fused quartz for the lamp's outer jacket. This absorbs much of the UV-B and UV-C radiation while maintaining transmittance efficiency in the visible spectrum range.







UV control

The spectra shown here are for the CSR575/SE/HR, for both standard and UV-Control lamps and shows a 98% reduction in UVC, 99% in the UV-B and a 64% reduction in UV-A across the product line.

Performance & colour point

CSR UV-Control lamps perform just the same as the industry standard counterparts. UV-C lamps have the same high lumen output and colour rendering as standard products.

UV-C lamp Identification

GE UV-Control lamps are easy to identify. The titanium-cerium doped outer jacket quartz fluoresces blue under black light. If no black light is available the blue tint in the quartz is visible under normal lighting conditions. The lamps also have a distinctive blue base.



Single ended hot restrike

Compact, single ended metal halide hot restrike lamps for a variety of applications requiring high luminance, reliability and excellent colour characteristics.

- Excellent colour rendering, Ra>90, and high CCT 6000K with superior colour stability
- Universal burn position with hot restrike capability
- High efficiency with excellent lumen maintenance
- Available with UV blocking



Double ended hot restrike

Double ended compact source rare earth metal halide hot restrike lamps from GE can be used in a variety of applications requiring high luminance, reliability and excellent colour characteristics.

- Industry Standard outline with hot restrike capability
- Excellent colour rendering Ra>90 and high CCT (6000–9000K) with superior colour stability
- Dimmable with stable colour
- High efficiency with excellent lumen maintenance



High watt halogen

Extensive range of single ended halogen lamps for use in film fixtures for location and studio use.

- Lower wattage lamps are available in the theatre section
- From 1250 to 24,000W
- Compatible with all known film fixtures
- Chromised seal protection

Cinema fluorescent

GE offers 55W high lumen lamps called Cinema Plus and Studio Biax for TV studio and video applications. Both lamps are colour tuned to match tungsten and daylight lamp sources.

Cinema Plus is recommended for film use. This "film friendly" lamp matches the spectral sensitivity of tungsten or daylight film stock. This full-spectrum design has a CRI up to 95 and is a gel-free light source.

Studio Biax is a perfect solution for TV and Video applications where high light output, long life and great lumen maintenance are the key needs. The Studio Biax is a triphosphor lamp colour tuned to 3200ºK and 5500ºK to match tungsten and daylight sources in a studio setting.



SHOWBIZ®
Event and Tour



GE lighting has a wide range of lamps for events and tours where high light output and high colour temperature is required to give the best light effect for the performing artists and audiences.

A variety of lamps can be used for events. In this section we focus on the metal halide CSR / CSD range of lamps, however many of the sealed beam lamps in the next section are still extensively used at events and tours.

This section features the new CSR TAL lamps which give users a lamp that can be changed quickly on location - just Turn And Lock.







Single ended cold start

Compact, single ended metal halide cold start lamps for a variety of applications requiring high luminance, reliability and excellent colour characteristics.

- Excellent colour rendering Ra from 70 – 90+
- High CCT 7200 - 9000K with superior colour stability
- Universal burn position
- Dimmable with stable colour
- High efficiency with excellent lumen maintenance



CSR TAL

These single–ended metal halide lamps are especially useful for moving–light applications that call for high colour temperatures and brighter light sources. The 'Turn And Lock' technology provides easy installation.

A very short arc gap allows for higher beam intensity. This enables good system performance, colour stability and superior lumen maintenance over life.

- Easy release base (Turn And Lock) enabling quick lamp change at events
- High lumen output



Double ended hot restrike

Double ended compact source rare earth metal halide hot restrike lamps from GE can be used in a variety of applications requiring high luminance, reliability and excellent colour characteristics.

- Industry Standard outline with hot restrike capability
- Excellent colour rendering Ra>90 and high CCT (6000 K – 9000K) with superior colour stability
- Dimmable with stable colour
- High efficiency with excellent lumen maintenance

CSR single ended short arc

Metal halide short arc lamps. The special chromised seal protection allows an increased maximum operating temperature at the base of 500° C for added reliability and consistent performance.

- RA 75+
- 5600 – 7200K
- Dimmable with stable colour
- High efficiency with excellent lumen maintenance



Club and Disco





This section highlights the extensive range of GE PAR lamps available, from PAR36 to PAR64.

Some lamps in this section may not normally be used in night club or disco applications but they have been included to provide a full picture of all the possibilities that are available.

Europe and USA manufacturing

GE PAR lamps provide tried and tested quality that can be relied on. The most popular 1000W types, CP60, 61, 62 are manufactured in Europe, while most of the PAR36 and PAR56 and many of the other PAR64 types are US manufactured.

Other applications

The other applications include swimming pool lamps where the 300W PAR56 12V lamp is commonly used, locomotive lamps where the 200W PAR56 30V lamp is used, and the extensive range of ANSI PAR lamps that are used in aircraft applications.







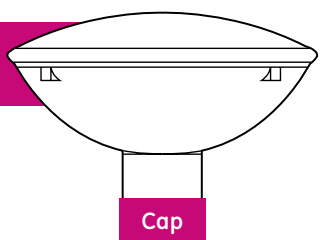
PAR36 *PAR46* *PAR56* *PAR64*

PAR36/46/56/64

PAR lamps provide a robust and flexible design solution for a wide range of applications.

- Choice of PAR36, PAR46, PAR56 or PAR64
- 3000 K or 4200 K colour temperature
- Choice of beam widths
- Excellent colour rendering
- High efficiency combined with low operating costs
- Robust and reliable
- UV control
- Easy retrofit
- Colour consistent throughout life
- Colour blends with halogen and fluorescent

PAR lamp caps





Theatre





In this section we highlight GE's extensive range of halogen lamps in both single and double ended format that are primarily used in theatre applications. With the increasing number of spectacular musicals there are a number of moving lights used in theatres, so you may also find lamps in our event section.

HPL

GE offers an extensive range of Quartzline® HPL lamps, especially designed for applications in entertainment and architectural lighting where ETC Source Four™ * fixtures are used.

**Source Four™ is a registered trademark of Electronic Theatre Controls*





Single ended halogen HPL

Developed using GE Six Sigma process, these lamps encompass modern halogen technology and high production standards.

- HPL optical system for superior field smoothness and cosine distribution
- Integral heat sink base reduces seal temperature, increases durability and maximises life
- Shock resistant filament array and patented gas chemistry minimises arc-out risk during alignment and focusing



Single ended halogen

Quartzline® lamps designed for optimum performance in today's precision range of stage, studio and architectural luminaires.

- Full range up to 3000W
- Range of bases to meet the needs of OEMs
- Chromised seal protection up to 500°C



Double ended halogen

Precision range of Quartzline® lamps widely used in theatre and many other applications.

- A range from 350W to 2,000W
- 3200K



Other applications



Architainment, Projection and Photography

The technology used in GE's entertainment range also has applications in the field of architectural lighting where long life is required. There is also a range for specialist projection and photography.







CMH PAR

The GE CMH PAR range of lamps combines constant colour ceramic metal halide with the benefits of a sealed beam. Based on the 150W single-ended CMH format, the addition of a PAR reflector provides a controlled, accurate light source for entertainment, architectural and retail lighting where making a big impression is what counts most.

The CMH PAR is also a good choice for stage use where long life is desirable, and is a great way to add drama to exhibition and museum displays.

CMH 400/GX 9.5

A long life, compact Ceramic Metal Halide lamp designed for entertainment/architectural applications. The CMH 400/GX 9.5 is a single ended lamp that provides 40,000 lumens, 90+ Ra in two colour temperatures 3200K and 4100K. Rated life is over 6000 hours with excellent lumen maintenance.

Photo and projection

Precisely manufactured, tailored filaments which optimise source brightness giving high performance in many applications.

High light-generating efficacy to help reduce power consumption and heat generation.

Prefocus-type caps or precision rim mounting to position the filament accurately in relation to the optics.

Product identification

Additional parameters:

LIF Code: common lamp ID within Europe
ANSI Code: common lamp ID within North America

Watts:
Energy Used –
To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000

Cap:
The type of cap fitted. See end pages for cap drawings

Product description:
The lamp's identification code

Lumens:
Initial amount of light output

Operating position:
U - Universal
HOR - Horizontal
VBD - Vertical Base Down
BDTH - Base Down to Horizontal
BDTHCH - Base Down to Horizontal with filament coil axis horizontal
BD45 - within 45° of vertical base down

Length:
Lamp length in mm

Discharge - Single Ended Hot Restrike

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	Operating position	Life [h]	Length [mm]	Pack Qty
4000	200	G38	CSR 4000SE/HR/UV- C	27765	380000	6000	500	260	U	6
6000	130	G38	CSR 6000/SE/HR/UV-C	40492	540000	6000	300	360	U	6

CSR 4000 / SE / HR / UV-C

(CSR) High Intensity Discharge lamp brand name code

Identifies the lamp's wattage

Identifies the lamp as single ended

Hot Restrike

The lamp has UV control

Volts:
Lamp data is based on operating voltage

Product code:
It is important to use this code when ordering to ensure that you receive the exact product you require

CCT [K]:
Colour Temperature - Kelvins
A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value the whiter or "cooler" the light appears

Life:
Rated average life

Pack quantity:
Number of product units packed in a case

Entertainment Lamps

Film and Broadcast



Single-ended hot restrike

Watts:	125-18,000W
Lumens:	9800-1,650,000
CCT:	6000
Life:	Up to 750h



Double-ended hot restrike

Watts:	200-4,000W
Lumens:	15,000-2,100,000
CCT:	5600-6000
Life:	Up to 750h



Cinema Studio Biax™

Watts:	55W
Lumens:	2400-4100
CCT:	3200 & 5600
Life:	Up to 8000h



Single-ended halogen

Watts:	1250-24,000W
Volts:	230-240
Lumens:	13,000-800,000
CCT:	3050-3400
Life:	Up to 500h

Event and Tour



Single ended cold start

Watts:	Up to 1200W
Lumens:	Up to 110,000
CCT:	6500-9000
Life:	800-3000h



TAL

Watts:	Up to 1500W
Lumens:	Up to 129000
CCT:	5600-9800
Life:	Up to 2000h



Double-ended hot restrike

Watts:	575 - 1500W
Lumens:	Up to 130,000
CCT:	5800 - 7500
Life:	500 - 750h



Short arc

Watts:	700 -1200W
Lumens:	Up to 100,000
CCT:	5800-7500
Life:	500-750h



Halogen TAL

Watts:	750W
Volts:	100
Lumens:	21,500
CCT:	5600-9800
Life:	200h

Club and Disco



PAR

Range:	PAR36, 46, 56, 64
Watts:	Up to 1200W
Candelas:	Up to 765,000
Life:	Up to 4000h

Selector

Theatre



Single-ended halogen -HPL

Watts:	375-750W
Volts:	115-240
Cap:	G9.5/Heat Sink
Lumens:	Up to 19,750



Single-ended halogen

Watts:	500-3000W
Volts:	115-240
Lumens:	Up to 82,000
CCT:	2900-3200
Life:	Up to 2000h



Double-ended quartzline

Watts:	350-2000W
Volts:	120-240
Lumens:	Up to 57,000
CCT:	2950-3275
Life:	Up to 400h

Other applications



ConstantColor™ CMH single-ended

Watts:	400W
Lumens:	40,000
CCT:	3200/4100
Life:	5000h



ConstantColor™ CMH PAR64

Watts:	150W
CCT:	3000/4200
Life:	8000h



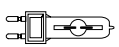
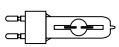
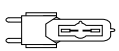
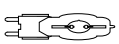
CSS/CSI/CID

Watts:	140-1000W
Lumens:	10,000 - 1,350,000
CCT:	3800-5000
Life:	500-3500h

Photographs and drawings are representative only. For the latest information please see product datasheets.

Film and Broadcast

Discharge - Single Ended Hot Restrike


Watts	Volts	Cap / base	Description	Product code	Lumen	CCT [K]	Life [h]	Length [mm]	Operating position	Outer qty	Cross Reference Osram	Cross Reference Philips
125	80	GZX9.5	CSR125/SE/HR	48461	9800	6000	200	75	U	10	HMI125W	MSR125/HR
200	70	GZY9.5	CSR200/SE/HR/UV-C	48462	17,500	6000	200	80	U	10	HMI200W/SE	MSR200/HR
400	70	GZZ9.5	CSR 400SE/HR/UV-C	21853	32,000	6000	750	110	U	10	HMI400W/SE	MSR400/HR
575	95	G22	CSR 575/SE/HR/UV-C	40460	48,000	6000	750	145	U	10	HMI575W/SE	MSR575/HR
800	95	G22	CSR800/SE/HR/UVC	22495	64,000	6000	750	145	U	6	HMI800W/SEL	-
1200	100	G38	CSR 1200 SE/HR/UV- C	27764	110,000	6000	750	200	U	6	HMI1200W/SE	MSR1200/HR
1600	100	G38	CSR 1600/SE/HR/UV-C	65754	150,000	6000	500	175	U	6	-	-
1800	150	G38	CSR 1800/SE/HR	77390	165,000	6000	750	200	U	6	HMI1800W/SE/XS	-
2500	115	G38	CSR 2500/SE/HR/UV-C	40482	220,000	6000	500	240	U	6	HMI2500W/SE	MSR2500/HR
4000	200	G38	CSR 4000SE/HR/UV- C	27765	380,000	6000	500	260	U	6	HMI4000W/SE	MSR4000/HR
6000	130	G38	CSR 6000/SE/HR/UV-C	40492	540,000	6000	300	360	U	6	HMI6000W/SE	MSR6000/HR
9000	160	G38	CSR9000/SE/HR/UV-C*	65852	875,000	6000	400	360	U	6	HMI 9000W/ SE	-
12,000	160	G38	CSR12000/SE/HR	48468	1,100,000	6000	300	450	U	4	HMI12000W/SE	MSR12000/HR
12,000	225	G38	CSR12000/SE/HR/ UV-C	97272	1,100,000	6000	300	450	U	4	-	-
18,000	225	G51	CSR18000/SE/HR	22496	1,650,000	6000	250	460	U	1	HMI18000W/SE	MSR18000/HR

Discharge - Double Ended Hot Restrike



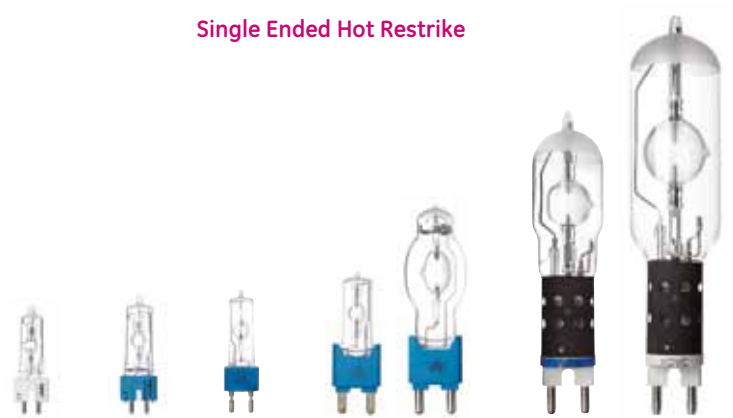




Watts	Volts	Cap / base	Description	Product code	Lumen	CCT [K]	Life [h]	Length [mm]	Operating position	Outer qty	Cross Reference Osram	Cross Reference Philips
200	80	X515	CSR200/DE	48450	15000	5600	300	75	HOR±15°	10	HMI200W	-
1200	100	SFc 10-5-6 Sl/M6	CSR1200/DE	48453	110000	6000	750	220	HOR±15°	10	HMI1200W/GS	MSI1200
2500	115	Sta21-12	CSR2500/DE	48454	240000	6000	500	355	HOR±15°	6	HMI2500W/GS	MSI2500
4000	200	Sta21-12	CSR4000/DE	48455	410000	6000	500	405	HOR±15°	6	HMI4000W/GS	MSI4000
6000	125	25X51 Cyl 165mm	CSR6000/DE	48456	570000	6000	300	450	HOR±15°	10	HMI6000W	MSI6000
12,000	160	30x70 Cyl 165mm	CSR12000/DE	48457	1100000	6000	300	470	HOR±15°	10	HMI12000W/GS	MSI12000
18,000	225	30x70 Cyl 165mm	CSR18000/DE	48459	1650000	6000	500	500	HOR±15°	4	HMI18000W	-
24,000	270	30x70 Cyl 165mm	CSR24000/DE	78710	2100000	5900	500	500	HOR±15°	1	HMI24000W/DXS	-

* Available later in 2013

Single Ended Hot Restrike



GZX9.5 GZY9.5 G22 G38 G51

Double Ended Hot Restrike

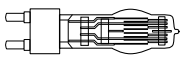


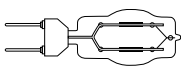
X515 Sta21-12 25X51 Cyl 165mm 30X70 Cyl 165mm

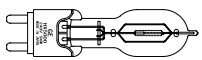
Film and Broadcast

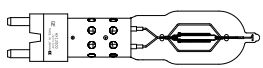
Single Ended Halogen (Lower wattages are shown in the Theatre section)

Watts	Volts	Cap / base	Description	Product code	Lumen	CCT [K]	LIF Code	ANSI Code	Life [h]	Length [mm]	Diameter [mm]	Operating position	Outer qty
1250+650	230-240	GX38q	CP105 1250/650W 230-240V	88880	27,000+13,000	3050	CP105	-	250	220	-	BD45	1
1250+1250	230-240	GX38q	CP30 230- 240V	88877	27,000+27,000	3200	CP30	-	300	220	-	BD45	1
1250+2500	230-240	GX38q	CP58 230-240V	88878	27,000+59,000	3200	CP58	-	300	220	-	BD45	1
2500+2500	230-240	GX38q	CP32 230-240V	88879	59,000+59,000	3200	CP32	-	300	220	-	BD45	1
5000	230	G38	CP29 230V	88875	13,5000	3200	CP29	-	375	279	-	BDTH	12
5000	240	G38	CP29 240V	88876	13,000	3200	CP29	-	375	279	-	BDTH	12
5000	240	G38	HX5000/240V	71379	133,000	3200	-	-	200	270	65	U	6
10,000	220-230	G38	CP83 220-230V	12036	280,000	3200	CP83	-	500	405	-	BDTH	1
10,000	240	G38	CP83 240V	12037	280,000	3200	CP83	-	500	405	-	BDTH	1
12,000	230	GX38	Q12MT26/CL 230V	48771	400,000	3400	-	-	130	410	-	BD45	1
12,000	240	GX38	Q12MT26/CL 240V	48779	400,000	3400	-	-	130	410	-	BD45	1
12,000	240	G51	HX12000/240V	65316	324,000	3200	-	-	300	400	85	U	6
20,000	230	GX38	Q20MT32/CL 230V	48773	580,000	3200	-	BCM	400	560	-	BD45	1
20,000	240	GX38	Q20MT32/CL 240V	48774	580,000	3200	-	BCM	400	560	-	BD45	1
24,000	240	GX38	Q24MT32/CL 240V	48777	800,000	3400	-	-	150	560	-	BD45	1



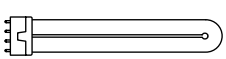






Cinema Studio Biax™

55	-	2G11-4 PIN	F55BX/STUDIOBIAX32	41869	4100	3200	-	-	8000	55	-	U	10
55	-	2G11-4 PIN	F55BX/STUDIOBIAX56	41873	4100	5600	-	-	8000	55	-	U	10
55	-	2G11-4 PIN	F55BX/CINPLUS/32	41903	2400	3200	-	-	2000	55	-	U	10
55	-	2G11-4 PIN	F55BX/CINPLUS/55	41911	2400	5600	-	-	2000	55	-	U	10



Single Ended Halogen



G38



G51

Cinema Studio Biax™



2G11-4 PIN

Photographs and drawings are representative only. For the latest information please see product datasheets.

Event and Tour

Watts	Volts	Cap / base	Description	Product code	Lumens	CCT [K]	Life [h]	Length [mm]	Operating position	Outer qty	Osram	Philips
Discharge - Single Ended Cold Start											**Cross reference**	
250	95	GY9.5	CSD 250/2 SE	10744	18,000	8500	3000	108	U	10	HSD250/80	MSD250/2
575	97	GX9.5	CSR575/2/T/SE	49492	42,000	7600	1000	125	U	10	-	-
575	97	GX9.5	CSR575/2/SE	15378	46,000	7200	1000	125	U	10	HSR575/2	MSR575/2
700	70	G22	CSR700/2/SE	49491	55,000	6500	1000	155	U	10	HSR700/2	MSR700/2
1200	100	G22	CSR1200/2/SE	49490	110,000	7000	800	175	U	6	HSR1200/2	MSR1200/2
Discharge - TAL												
300	100	PGJX28	CSR300/2/TAL	76160	23,000	7700	750	126	U	4	-	MSR 300/2 MiniFastFit
300	100	PGJX28	CSD300/2/TAL	62520	20,500	9800	2000	126	U	4	HSD300W/80/P28	MSD 300/2 MiniFastFit
700	70	PGJX50	CSR700/TAL	76161	50,000	7400	750	128	U	4	HTI 700W/75/P50	MSR 700 FastFit
700	70	PGJX28	CSR700/TAL	78718	50,000	7400	750	122	U	4	HTI 700W/75/P28	MSR 700/2 MiniFastFit
1500	95	PGJX50	CSR1500/TAL	74873	129,000	5600	750	128	U	4	HTI 1500W/60/P50	MSR 1500 FastFit
Discharge - Double Ended Hot Restrike												
575	95	SFc 10-4 SI/M4	CSR575/S/DE/70	70979	40,000	7000	750	138	U	10	-	-
575	100	SFc 10-4 SI/M4	CSR575/SS/DE/75	45231	44,000	7500	500	92	HOR±15°	10	-	-
700	70	SFc 10-4 SI/M4	CSR700/S/DE/60	22493	59,000	6000	750	138	U	10	HTI700W/D4/60	-
700	70	SFc 10-4 SI/M4	CSR700/S/DE/72	41357	51,000	7200	750	138	U	10	HTI700W/D4/75	MSR700/SA/2/DE
1200	100	SFc 10-4 SI/M4	CSR1200/S/DE/60	22494	110,000	6000	750	138	U	10	HTI1200W/D7/60	MSR1200/SA/DE
1200	100	SFc 10-4 SI/M4	CSR1200/S/DE/75	41361	103,000	7500	750	138	U	10	HTI1200W/D7/75	MSR1200/SA/2/DE
1500	115	SFc 10-4 SI/M4	CSR1500/S/DE/60	96800	130,000	5800	500	138	HOR±15°	10	HTI1500 D7/60	-
Discharge - Short Arc												
700	70	GY9.5	CSR 700 SA	15380	58,000	5600	500	85	U	10	HTI705W/SE	MSR700/SA
1200	100	GY22	CSR 1200/SA	21849	100,000	5800	750	135	U	6	HTI1200W/SE	MSR1200/SA
Halogen TAL												
750	100	PGJX28	Q750 100V TAL*	64966	21,500	3200	200	104	BDTH	24	-	-

* TAL lamp can be used in specified moving light fixtures, however the 3200K colour temperature is for theatrical use.

Single Ended Cold Start



GX9.5 G22

TAL



PGJX28 PGJX28 PGJX50

Short Arc



GX9.5

Double Ended Hot Restrike

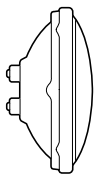


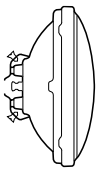
Sfc 10-4 SI/M4

Club and Disco

PAR 36

Watts	Volts	Description	Product code	CCT [K]	LIF Code	ANSI Code	Cap / base	Life [h]	Candelas	Beam type	Beam 10%	Beam 50%	Length [mm]	Diameter [mm]	Operating position	Outer qty
25	5.5	25PAR36 5.5V	14553	3000	-	-	Screw Term.	1000	30,000	VNSP	-	5 x 5	69.8	114.3	U	12
25	12	25PAR36/WFL 12V	14555	-	-	-	Screw Term.	2000	500	WFL	49 x 41	37 x 26	69.8	114.3	U	12
30	12.8	4405 12.8V	24425	-	-	-	Screw Term.	100	50,000	VNSP	6 x 5	-	69.8	114.3	U	12
30	6.2	4511 6.2V	24663	-	-	-	Screw Term.	300	2300	-	-	-	69.8	114.3	U	12
30	6.4	H4515 6.4V	15133	-	-	-	Screw Term.	100	67,000	VNSP	5.5 x 4	-	69.8	114.3	U	12
30	6.4	4515 6.4V	24673	-	-	-	Screw Term.	100	55,000	VNSP	5 x 5	-	69.8	114.3	U	12
50	12.8	H7604 12.8V	43576	-	-	-	Screw Term.	100	100,000	NSP	7 x 5	-	69.8	114.3	U	12
50	12	50PAR36/VNSP 12V	12892	-	-	-	Screw Term.	2000	25,000	VNSP	-	6 x 6	69.8	114.3	U	12
50	12	50PAR36/NSP 12V	16540	-	-	-	Screw Term.	2000	9200	NSP	-	10 x 10	69.8	114.3	U	12
50	12	50PAR36/WFL 12V	16541	-	-	-	Screw Term.	2000	1300	WFL	48 x 41	36 x 28	69.8	114.3	U	12
50	12	50PAR36/WFL/H 12V	19880	3050	-	-	Screw Term.	4000	1300	WFL	-	30 x 30	69.8	114.3	U	12
50	12	50PAR36/VWFL 12V	16542	-	-	-	Screw Term.	2000	600	VWFL	-	55 x 55	69.8	114.3	U	12
50	28	4502 28.0V	24627	-	-	-	Screw Term.	400	10,000	WFL	40 x 7	-	69.8	114.3	U	12
50	28	4505 28.0V	24640	-	-	-	Screw Term.	400	45,000	NSP	11 x 5	-	69.8	114.3	U	12
50	28	4589 28V 50W	24873	-	-	-	Screw Terminals	400	5000	-	-	-	-	-	-	-
100	13	4509 13.0V	24650	-	-	-	Screw Term.	25	110,00	NSP	12 x 6	-	69.8	114.3	U	12
100	13	4509X 13.0V	41503	-	-	-	Screw Term.	25	110,000	NSP	12 x 6	-	69.8	114.3	U	12
100	28	4591 28.0V	24882	-	-	-	Screw Terminals	25	90,000	-	-	-	-	-	-	-
50	28	4593 28.0V	24887	-	-	-	Screw Term.	400	1500	VWFL	80 x 30	-	69.8	114.3	U	12
100	28	4594 28.0V	24891	-	-	-	Screw Term.	300	70,000	NSP	13 x 7	-	69.8	114.3	U	12
150	28	4626 28.0V	24964	-	-	-	Screw Term.	300	25,000	WFL	40 x 9	-	69.8	114.3	U	12
100	28	4627 28.0V	24966	-	-	-	Screw Term.	300	3000	VWFL	80 x 30	-	69.8	114.3	U	12
250	28	4587 28.0V	24867	-	-	-	Screw Term.	25	4000	WFL	40 x 13	-	69.8	114.3	U	12
250	28	4596 28.0V	24898	3000	-	-	Screw Term.	25	150,000	NSP	11 x 12	-	69.8	114.3	U	12
650	120	DWE Q650PAR36/1 120V	41667	3200	-	DWE	Screw Term.	100	24,000	MFL	-	40 X 30	69.8	114.3	HOR±15°	12
650	120	FBO-Q650/PAR36/5 120V	41671	3400	-	FBO	Screw Term.	30	75,000	SP	-	25 X 15	69.8	114.3	HOR±15°	12
650	120	FCX-Q650PAR36/7 120V	41673	3200	-	FCX	Ferrule	100	24,000	MFL	-	40 X 30	69.8	114.3	HOR±15°	12
750	13	Q4632 13.0V	39112	-	-	-	Screw Terminals	500	75,000	-	-	-	-	-	-	-



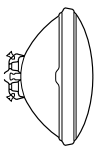


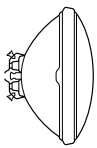
PAR36

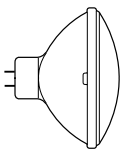


Photographs and drawings are representative only. For the latest information please see product datasheets.

Club and Disco







PAR 46

Watts	Volts	Description	Product code	CCT [K]	LIF Code	ANSI Code	Cap / base	Life [h]	Candelas	Beam type	Beam 10%	Beam 50%	Length [mm]	Diameter [mm]	Operating position	Outer qty
50	12.8	H7635 12.8V	43591	-	-	-	Screw Terminals	100	160,000	VNSP	-	6.5 x 4	95.2	146	U	12
60	28	4578 28.0V	25005	-	-	-	3 Contact Lugs	800	1600	-	-	-	-	-	-	-
80	28	4579 28V 80W	25009	-	-	-	3 Contact Lugs	400	24,000	-	-	-	-	-	-	-
100	13	4537-2 13.0V	40822	-	-	-	Screw Terminals	25	200,000	SP	-	11 x 6	95.2	146	U	12
250	28	4551 28.0V	24795	-	-	-	Screw Terminals	25	75,000	-	-	-	-	-	-	-
250	28	4553 28.0V	24799	-	-	-	Screw Terminals	25	300,000	SP	-	11 x 12	95.2	146	U	12
450	16.5	4635	33284	-	-	-	Screw Terminals	25	325,000	-	-	-	-	-	-	-
450	28	4580 28.0V	24859	-	-	-	Screw Terminals	10	400,000	SP	-	13 x 14	95.2	146	U	12
450	28	Q4554 28.0V	37706	-	-	-	Screw Terminals	100	65,000	WFL	-	50 x 11	95.2	146	U	12
450	28	Q4681 28.0V	36271	-	-	-	Screw Terminals	50	310,000	SP	-	15 x 9	95.2	146	U	12

PAR 56

100	12	4545 100W 12V	24768	-	-	-	Screw Terminals	100	225,000	NSP	-	9 x 5	127	177.8	U	12
120	12	120PAR56WFL 12V	19025	-	-	-	Screw Terminals	2000	5625	WFL	35 x 18	50 x 25	127	177.8	U	12
200	30	200PAR 30V	20122	-	-	-	Screw Terminals	350	270,000	SP	-	9 x 9	127	177.8	U	12
240	12	240PAR56/VNSP 12V	20575	-	-	-	Screw Terminals	2000	140,000	VNSP	9 x 6	7 x 10	127	177.8	U	12
240	12	240PAR56/WFL 12V	20577	-	-	-	Screw Terminals	2000	13,000	WFL	35 x 18	50 x 27	127	177.8	U	12
300	12	300PAR56/WFL 12V	23427	-	-	-	Screw Terminals	1000	-	WFL	-	-	127	177.8	U	12
300	120	300PAR56/NSP 120V	20803	2750	-	-	Mog End Pr GX16d	2000	68,000	NSP	10 x 8	20 x 14	127	177.8	U	12
300	120	300PAR56/MFL 120V	20836	2750	-	-	Mog End Pr GX16d	2000	24,000	MFL	23 x 11	34 x 19	127	177.8	U	12
300	120	300PAR56/WFL 120V	20849	2750	-	-	Mog End Pr GX16d	2000	11,000	WFL	37 x 18	57 x 27	127	177.8	U	12
300	230	300PAR56/MFL 230V	20852	-	-	-	ExMogEndPr GX16d	2000	30,000	MFL	-	-	127	177.8	U	12
300	230	300PAR56/NSP 230V	20853	-	-	-	ExMogEndPr GX16d	2000	40,000	NSP	-	-	127	177.8	U	12
300	230	300PAR56/WFL 230V	20854	-	-	-	ExMogEndPr GX16d	2000	10,000	WFL	-	-	127	177.8	U	12
300	240	300PAR56/NSP 240V	18676	-	-	-	ExMogEndPr GX16d	2000	40,000	NSP	-	-	127	177.8	U	12
300	240	300PAR56/MFL 240V	18677	-	-	-	ExMogEndPr GX16d	2000	30,000	MFL	-	-	127	177.8	U	12
300	240	300PAR56/WFL 240V	18678	-	-	-	ExMogEndPr GX16d	2000	10,000	WFL	-	-	127	177.8	U	12
500	120	Q500PAR56MFL 120V	43495	2950	-	-	Mog End Pr GX16d	4000	43,000	MFL	26 x 10	42 x 20	127	177.8	U	6
500	120	Q500PAR56WFL 120V	43496	2950	-	-	Mog End Pr GX16d	4000	19,000	WFL	44 x 20	66 x 34	127	177.8	U	6
500	120	Q500PAR56NSP 120V	43494	2950	-	-	Mog End Pr GX16d	4000	96,000	NSP	13 x 8	32 x 15	127	177.8	U	6

PAR46



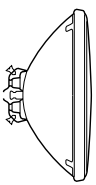
PAR56

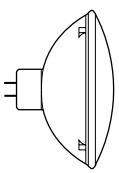


Club and Disco

PAR 64

Watts	Volts	Description	Product code	CCT [K]	LIF Code	ANSI Code	Cap / base	Life [h]	Candelas	Beam type	Beam 10%	Beam 50%	Length [mm]	Diameter [mm]	Operating position	Outer qty
250	28	4552 28.0V	40576	-	-	-	Screw Terminals	25	500,000	SP	-	7 X 8	152.4	203.2	U	12
600	28	4559 28.0V	40578	-	-	-	Screw Terminals	25	600,000	SP	-	11 X 12	152.4	203.2	U	12
600	28	Q4559 28.0V	40579	-	-	-	Screw Terminals	100	600,000	SP	-	12 X 8	152.4	203.2	U	12
600	28	Q4559X 28.0V	42552	-	-	-	Screw Terminals	100	765,000	SP	11x7.5	-	152.4	203.2	U	12
500	230	CP86 - Q500PAR64/VNSP 230V	73581	3200	CP86	-	GX16d	300	240,000	VNSP	16x13	10x7	152.4	203.2	U	6
500	240	CP86 - Q500PAR64/VNSP 240V	99944	3200	CP86	-	GX16d	300	240,000	VNSP	16x13	10x7	152.4	203.2	U	6
500	230	CP87 - Q500PAR64/NSP 230V	99945	3200	CP87	-	GX16d	300	140,000	NSP	19x16	11x9	152.4	203.2	U	6
500	240	CP87 - Q500PAR64/NSP 240V	99946	3200	CP87	-	GX16d	300	140,000	NSP	19x16	11x9	152.4	203.2	U	6
500	230	CP88 - Q500PAR64/MFL 230V	99947	3200	CP88	-	GX16d	300	65,000	MFL	32x19	21x10	152.4	203.2	U	6
500	240	CP88-Q500PAR64/MFL 240V	99948	3200	CP88	-	GX16d	300	65,000	MFL	32x19	21x10	152.4	203.2	U	6
500	230	500PAR64/MFL 230V	39411	2700	-	-	ExMogEndPr GX16d	2000	-	MFL	21 X 10	32 x 19	152.4	203.2	U	12
500	230	500PAR64/WFL 230V	39414	2700	-	-	ExMogEndPr GX16d	2000	-	WFL	42 X 20	55 x 32	152.4	203.2	U	12
1000	28	4557 28/28V	40581	-	-	-	3 Screw Terminals	25	540,000	-	-	-	-	-	-	-
1000	230	SUPER CP60 EXC VNS 230V	88425	3200	CP60	-	GX16d	300	352,000	VNSP	20x17	12x9	152.4	203.2	U	6
1000	240	SUPER CP60 EXC VNS 240V	88551	3200	CP60	-	GX16d	300	352,000	VNSP	20x17	12x9	152.4	203.2	U	6
1000	230	SUPER CP61 EXD NS 230V	88535	3200	CP61	-	GX16d	300	297,000	NSP	22x20	14x10	152.4	203.2	U	6
1000	240	SUPER CP61 EXD NS 240V	88550	3200	CP61	-	GX16d	300	297,000	NSP	22x20	14x10	152.4	203.2	U	6
1000	230	SUPER CP62 EXE MF 230V	88549	3200	CP62	-	GX16d	300	138,000	MFL	38x20	24x11	152.4	203.2	U	6
1000	240	SUPER CP62 EXE MF 240V	88536	3200	CP62	-	GX16d	300	138,000	MFL	24x11	38x20	152.4	203.2	U	6
1000	230	CP95 230V	88511	3200	CP95	-	ExMogEndPr GX16d	300	15,000	VWFL	125 x 95	70 X 70	152.4	203.2	U	6
1000	240	CP95 240V	88510	3200	CP95	-	ExMogEndPr GX16d	300	15,000	VWFL	125 x 95	70 X 70	152.4	203.2	U	6
1000	230	EXG PAR64/1000W/230V/WFL	88480	3200	-	EXG	ExMogEndPr GX16d	300	49,300	WFL	59 x 36	44 X 22	152.4	203.2	U	6
1000	240	EXG PAR64/1000W/240V/WFL	88479	3200	-	EXG	ExMogEndPr GX16d	300	49,300	WFL	59 x 36	44 X 22	152.4	203.2	U	6
500	120	500PAR64/MFL 120V	39409	2800	-	-	ExMogEndPr GX16d	2000	37,000	MFL	23 X 11	35 x 19	152.4	203.2	U	12
1000	120	FFN 120V	13233	3200	-	FFN	ExMogEndPr GX16d	800	40,0000	VNSP	12 X 6	24 x 10	152.4	203.2	U	6
1000	120	FFP 120V	13229	3200	-	FFP	ExMogEndPr GX16d	800	330,000	NSP	14 X 7	26 x 14	152.4	203.2	U	6
1000	120	FFR 120V	13228	3200	-	FFR	ExMogEndPr GX16d	800	125,000	MFL	28 X 12	44 x 21	152.4	203.2	U	6
1000	120	FFS 120V	13227	3200	-	FFS	ExMogEndPr GX16d	800	40,000	WFL	48 X 24	71 x 45	152.4	203.2	U	6
1000	120	Q1000PAR64NSP 120V	43497	3000	-	-	ExMogEndPr GX16d	4000	200,000	NSP	15 X 8	31 X 14	152.4	203.2	U	6
1000	120	Q1000PAR64MFL 120V	43498	3000	-	-	ExMogEndPr GX16d	4000	80,000	MFL	28 X 12	45 x 22	152.4	203.2	U	6
1000	120	Q1000PAR64WFL 120V	43499	3000	-	-	ExMogEndPr GX16d	4000	33,000	WFL	48 X 24	72 x 45	152.4	203.2	U	6
1200	120	GFC 1200W 120V VNSP	88487	3200		GFC	ExMogEndPr GX16d	400	540,000	VNSP	8x10	14x16	152	203.2	U	6



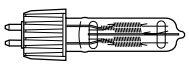


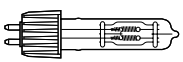
PAR64



Photographs and drawings are representative only. For the latest information please see product datasheets.

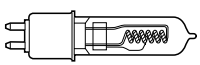
Theatre

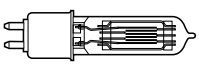




Single Ended Halogen - HPL (19 mm diameter)

Watts	Volts	Cap / base	Description	Product code	Lumens	CCT [K]	LIF Code	ANSI Code	Life [h]	Length [mm]	Operating position	Outer qty
375	115	G9.5/Heat Sink	HPL375-C 115V	88540	10,540	3050	-	-	300	106	U	12
375	115	G9.5/Heat Sink	HPL375-LL-C 115V	88539	8000	3200	-	-	1000	106	U	12
575	230	G9.5/Heat Sink	HPL 575W 230V	88478	14,900	3200	-	-	300	106	U	12
575	240	G9.5/Heat Sink	HPL 575W 240V	88477	14,900	3200	-	-	300	106	U	12
575	120	G9.5/Heat Sink	HPL 575-C 120V	88436	16,520	3250	-	-	300	106	U	12
575	115	G9.5/Heat Sink	HPL 575-C 115V	88438	16,520	3250	-	-	300	106	U	12
575	230	G9.5/Heat Sink	HPL 575W LL 230V	88476	11,780	3050	-	-	1500	106	U	12
575	240	G9.5/Heat Sink	HPL 575W LL 240V	88475	11,780	3050	-	-	1500	106	U	12
575	120	G9.5/Heat Sink	HPL 575-X LL-C 120V	88434	12,360	3050	-	-	2000	106	U	12
575	115	G9.5/Heat Sink	HPL 575-X LL-C 115V	88435	12,360	3050	-	-	2000	106	U	12
750	230	G9.5/Heat Sink	HPL 750W 230V	88474	19,750	3200	-	-	300	106	U	12
750	240	G9.5/Heat Sink	HPL 750W 240V	88473	19,750	3200	-	-	300	106	U	12
750	115	G9.5/Heat Sink	HPL 750-C 115V	88437	22,000	3250	-	-	300	106	U	12
750	115	G9.5/Heat Sink	HPL 750W-XLL-C 115V	88428	16,400	3050	-	-	2000	106	U	12
750	230	G9.5/Heat Sink	HPL 750W LL 230V	88430	15,600	3050	-	-	1500	106	U	12
750	240	G9.5/Heat Sink	HPL 750W LL 240V	88429	15,600	3050	-	-	1500	106	U	12





Single Ended Halogen

Watts	Volts	Cap / base	Description	Product code	Lumens	CCT [K]	LIF Code	ANSI Code	Life [h]	Length [mm]	Operating position	Outer qty
500	120	G9.5	EHD 120V	88624	10,000	2900	-	EHD	2000	105	U	24
500	120	G9.5	EHC Q500/5CL/P	88628	12,700	3150		EHC	500	105		24
575	115	G9.5	FLK 575W 115V G9.5	88548	16,500	3200	-	FLK	300	105	U	24
575	115	G9.5	HX601 FLK/LL 575W/115-120V	88452	10,000	3100	-	EHD	2000	105	U	50
575	115	G9.5	GLC 575W HP 115V	88423	14,500	3200	-	GLC	300	105	-	24
575	115	G9.5	GLA 575W HP 115V LL	88424	13,000	3050	-	GLA	1500	105	-	24
600	230	G9.5	GKV 600W 230V G9.5	88448	14,000	3200	-	GKV	250	105	U	24
600	240	G9.5	GKV 600W 240V G9.5	88447	14,000	3200	-	GKV	250	105	U	24
600	230	G9.5	GKV LL 230V 600W	88446	11,000	3000	-	GKV	1500	105	U	24
600	240	G9.5	GKV LL 240V 600W	88445	11,000	3000	-	GKV	1500	105	U	24
650	230-240	G9.5	FKR 230-240V	88450	15,000	3100	-	FKR	300	105	U	24
750	115	G9.5	GLE 115V	88426	17,400	3050	-	GLE	1500	105	-	24
750	115	G9.5	GLD 115V	88427	19,000	3200	-	GLD	300	105	-	24
750	120	G9.5	EHF Q750/4CL	88627	20,000	3200	-	EHF	300	105	U	24
750	120	G9.5	EHG Q750/CL/TP 750W 120V	88626	16,500	3000	-	FLK	300	105	U	24

HPL

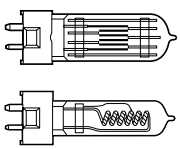


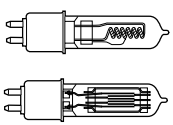
GY9.5

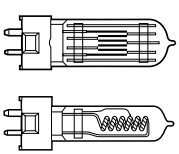


Theatre

Watts	Volts	Cap / base	Description	Product code	Lumens	CCT [K]	LIF Code	ANSI Code	Life [h]	Length [mm]	Operating position	Outer qty
800	230-240	G9.5	GKV 800W 230-240V	88432	20,000	3200	HX800	-	250	105	U	24
1000	120	G9.5	FEL Q1000/4CL 120V	88625	27,500	3200	CP77	FEL	300	105	U	24
1000	230-240	G9.5	CP77 FEP 230- 240V	88449	25,000	3200	CP77	FEP	300	105	U	24
300	120	GY9.5	CP81 FKW 120V	88443	6900	3200	CP81	FKW	50	90	BDTH	24
300	230	GY9.5	CP81 FSL 230V	88433	6900	3200	CP81	FSL	150	90	BDTH	24
300	240	GY9.5	CP81 FSK 240V	88444	6900	3200	CP81	FSK	150	90	BDTH	24
500	120	GY9.5	CP82 FRG 120V	88467	13,000	3200	CP82	FRG	150	90	BDTH	24
500	230	GY9.5	CP82 FRH 230V	88466	12,500	3200	CP82	FRH	150	90	BDTH	24
500	240	GY9.5	CP82 FRJ 240V	88464	12,500	3200	CP82	FRJ	150	90	BDTH	24
500	230-240	GY9.5	T18 GCW 230- 240V	88465	11,000	3050	T18	GCW	400	90	BDTH	24
500	230-240	GY9.5	T25 230-240V	88470	11,000	3000	T25	GCW	360	90	BDTH	24
600	120	GY9.5	FMR 120V	88504	12,600	3050	FMR	-	2000	85	BDTHCH	24
650	230-240	GY9.5	T27 230-240V	88469	14,500	3050	T27	GCS	400	90	BDTH	24
650	230-240	GY9.5	T26 GCS 230- 240V	88463	15,500	3100	T26	GCS	400	90	BDTH	24
650	120	GY9.5	CP89 FRK 120V	88462	16,900	3200	CP89	-	200	90	BDTH	24
650	230-240	GY9.5	CP89 FRM 230- 240V	88461	16,250	3200	CP89	FRM	150	90	BDTH	24
650	230-240	GX9.5	T12 230-240V	88431	13,500	3000	T12	-	750	110	BDTH	12
650	230	GX9.5	CP23 230V	72680	16,900	3200	CP23	-	100	110	BDTH	12
650	230-240	GX9.5	CP23 230-240V	88455	16,900	3200	CP23	-	100	110	BDTH	12
1000	230-240	GX9.5	CP24 230-240V	88459	26,000	3200	CP24	-	200	110	BDTH	12
1000	115/120	GX9.5	T11 115-120V	88515	23,500	3050	T11	-	750	110	BDTH	24
1000	240	GX9.5	T11 230-240V	88456	23,000	3050	T11	-	750	110	BDTH	12
1000	230-240	GX9.5	T19 FWR 230-240V	88457	21,000	3050	T19	FWR	750	110	BDTH	12
1000	230	GX9.5	CP70 FVA 230V	88472	25,000	3200	CP70	FVA	200	110	BDTH	12
1000	240	GX9.5	CP70 FVA 240V	88471	25,000	3200	CP70	FVB	200	110	BDTH	12
1200	230-240	GX9.5	T29 FWT 230-240V	88454	29,000	3050	T29	FWT	400	110	BDTH	12
1200	230-240	GX9.5	CP90 230-240V	88453	33,000	3200	CP90	-	200	110	BDTH	12
2000	230-240	GY16	CP43 FTM 230V	96735	54,000	3200	CP43	FTM	400	145	BDTH	12
2000	230-240	GY16	CP43 FTL 230-240V	88533	54,000	3200	CP43	FTL	400	145	BDTH	12
2000	230-240	GY16	CP79 230-240V	88503	54,000	3200	CP79	-	350	145	BDTH	12
2000	120	GY16	CP79 120V	88440	-	-	CP79	-	-	145	BDTH	12
1200	80	G22	CP110 OC-1200 80V	88439	37,500	3300	-	-	300	140	BDTH	12
500	120	G22	EGN 120V	88509	13,000	3200	-	EGN	150	140	BDTH	12
650	230-240	G22	CP39 FKH 230- 240V	88531	16,900	3200	CP39	FKH	100	140	BDTH	12
750	120	G22	EGR-Q750T7/4CL 120	88621	21,000	3200	-	EGR	200	127	-	12







GY16

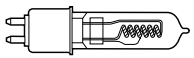


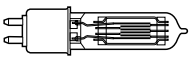
GY22

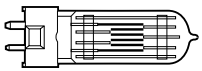


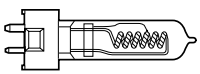
Photographs and drawings are representative only. For the latest information please see product datasheets.

Theatre









Watts	Volts	Cap / base	Description	Product code	Lumens	CCT [K]	LIF Code	ANSI Code	Life [h]	Length [mm]	Operating position	Outer qty
1000	120	G22	EGT-Q1000T7/4CL 120V	88622	28,500	3200	-	EGT	250	127	BDTH	12
1000	230	G22	CP40 FKJ 230V	88458	26,000	3200	CP40	FKJ	200	140	BDTH	12
1000	240	G22	CP40 FKJ 240V	88538	26,000	3200	CP40	FKJ	200	140	BDTH	12
1200	230-240	G22	CP93 230-240V	88508	33,000	3200	CP93	-	200	140	BDTH	12
2000	120	G22	CP92 120V	88507	55,000	3200	CP92	-	400	175	BDTH	12
2000	230-240	G22	CP92 230-240V	88506	52,000	3200	CP92	-	400	175	BDTH	12
2500	230-240	G22	CP91 230-240V	88505	67,500	3200	CP91	-	400	175	BDTH	12
500	120	P28s	EGE-Q500/CL/P 120V	88617	10,450	2950	-	EGE	2000	152	U	12
500	120	P28s	BTM 120V	88546	13,000	3200	-	BTM	150	130	BDTH	12
500	120	P28s	BTL-Q500T6/CL/P 120V	88547	11,000	3000	-	BTL	500	133	-	12
500	230-240	P28s	T17 FKF 230- 240V	88498	9500	2950	T17	-	750	130	BDTH	12
500	230-240	P28s	T28 230-240V	88451	11,000	3000	T28	-	300	130	BDTH	12
650	230-240	P28s	T13 FKB 230- 240V	88497	13,500	3000	T13	-	750	130	BDTH	12
750	120	P28s	EGF-Q750/4CL/P 750W/120V	88618	20,400	3200	-	EGF	300	152	-	12
750	120	P28s	EGG-Q750/CL/P120	88619	15,750	3000	-	EGG	2000	152	-	12
750	120	P28s	BTN-Q750T7/CL/2P 120	88605	17,600	3050	-	BTN	500	121	-	12
750	120	P28s	BTP-Q750T7/4CL/2P 120	88606	21,000	3200	-	BTP	200	121	-	12
1000	120	P28s	EGJ-Q1000/4CL/P120V	88615	27,500	3200	-	EGJ	500	152	U	12
1000	230-240	P28s	T14 FKD 230- 240V	88529	23,000	3050	T14	-	750	130	BDTH	12
1000	230-240	P28s	FKE 230-240V	88499	23,000	3050	T15	FKE	750	160	BDTH	12
1000	230-240	P28s	CP52 FKN 230-240V	88496	26,000	3200	CP52	FKN	200	121	BDTH	12
1000	120	P28s	BTR-Q1000T7/4CL/2P120	88607	28,500	3200	-	BTR	250	121	-	12
1000	120	P28s	EGK-Q1000/4/P 1000W/120V	88614	26,500	3200	-	EGK	300	152	-	12
1000	120	G38	CYV-Q1000T7/4CL/BP 1000W/120V	88630	28,500	3200	-	CYV	200	127	-	6
1500	120	G38	CXZ-Q1500T10/4CL 1500W/120V	88612	44,500	3200	-	CXZ	400	216	-	6
2000	120	G38	CYX-Q2000T10/4CL 120V	88610	59,000	3200	HX270	CYX	400	216	BDTH	6
2000	230	G38	CP41 FKK 230V	88489	54,000	3200	CP41	FKK	400	216	BDTH	12
2000	240	G38	CP41 FKK 240V	88488	54,000	3200	CP41	FKK	400	216	BDTH	12
2500	230-240	G38	CP94 230-240V	88502	67,500	3200	CP94	-	400	210	BDTH	12
3000	230-240	G38	HX48 230-240V	88874	82,000	3200	HX48	-	400	210	BDTH	12
1000	120	E40	DKZ/DSE Q1000	19926	28,000	3200	-	DSE	750	330	U	10
1500	120	E40	DKX/DSF Q1500T10	19927	41,000	3200	-	DSF	1000	330	-	10
2000	120	E40	BWF-Q2000/4CL 120V	88611	54,000	3200	-	BWF	500	191	-	6
2000	240	E40	CP59 230-240V	88512	16,500	3200	-	-	100	191	U	1
1000	120	P40s	BVV-Q1MT7/4CL/MP	88631	28,500	3200	-	BVV	200	184	-	6
1000	120	P40s	BVT-Q1MT7/CL/MP 120V	88608	24,500	3050	-	BVT	500	184	-	6
1500	120	P40s	DTA 120V	88500	41,000	3200	T16	DTA	750	180	BDTH	6
2000	120	P40s	BVW-Q2MT10/4CL/MP	88609	59,000	3200	-	BVW	350	215	-	6
2000	230-240	P40s	CP53 230-240V	88532	54,000	3200	CP53	-	400	200	BDTH	12

P28s



P28s



P40s



G38



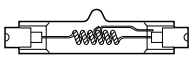
E40

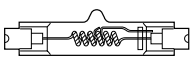


Theatre

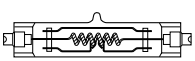
Double Ended Quartzline

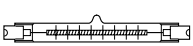
Watts	Volts	Cap / base	Description	Product code	Lumens	CCT [K]	LIF Code	ANSI Code	Life [h]	Length [mm]	Operating position	Outer qty
350	120	R7s	TU FDF/HIR-Q350T2/4	20881	5950	2950	-	FDF	400	119	-	6
500	120	R7s	TU FDN Q500T3/4	23734	12,800	3200	P2/31	FDN	400	119	-	12
500	120	R7s	TU FDF Q500T3/4CL	23735	13,250	3200	P2/30	FDF	400	119	-	12
625	230	R7s	TU P2/10 Q625T3/4CL 220/230V	19697	16,900	3200	P2/10	-	300	189	HOR±15°	12
625	240	R7s	TU P2/10 Q625T3/4CL 240/250V	19698	16,900	3200	P2/10	-	300	189	HOR±15°	12
650	120	R7s	FAD Q650T4/CL P2/6	30325	16,500	3200	P2/6	FAD	100	80	U	24
650	120	R7s	FCM/HIR-Q655T3/4	13895	25,200	3275	-	FCM	400	119	-	6
750	120	R7s	TU EMD Q750T3/4	23755	19,500	3200	-	EMD	400	119	-	12
750	120	R7s	TU EJG Q750T3/4CL	23756	20,600	3200	-	EJG	400	119	HOR±15°	12
800	230	R7s	DXX800-T4-4CL 230V	36952	21,400	3200	P2/13	DXX	75	80	U	24
800	240	R7s	DXX 800-T4-4CL 240V	36953	21,400	3200	P2/13	DXX	75	80	U	24
800	240	R7s	TU P2/11 EME Q800T3/4CL 240V	23760	22,000	3200	P2/11	EME	150	119	HOR±15°	12
800	240	R7s	TU P2/11 EMF Q800T3/4	23761	21,400	3200	P2/11	EMF	150	119	HOR±15°	12
1000	120	R7s	DXW	30157	28,000	3200	-	DXW	150	95	U	24
1000	120	R7s	TU FHM Q1000T3/4	23792	27,300	3200	P2/29	FHM	400	119	-	12
1000	120	R7s	TU FFT Q1000T3/1CL	33280	26,400	3200	-	FFT	400	167	-	12
1000	230	R7s	TU P2/7 EKM Q1MT3/4CL 220/230V	20249	28,000	3200	P2/7	EKM	300	189	HOR±15°	12
1000	240	R7s	TU P2/7 EKM Q1MT3/4CL 240/250V	20253	28,000	3200	P2/7	EKM	300	189	HOR±15°	12
1000	120	R7s	TU FCM P2/28 Q1000T3/4CL	23797	28,000	3200	P2/28	FCM	400	119	HOR±15°	12
1250	230	R7s	TU P2/12 Q1250T3/4CL 220/230V	19695	35,000	3200	P2/12	-	300	189	HOR±15°	12
1250	240	R7s	TU P2/12 Q1250T3/4CL 240/250V	19696	35,000	3200	P2/12	-	300	189	HOR±15°	12
2000	230	R7s	P2/27 FEX 230V	88482	50,000	3200	P2/27	FEX	300	143	HOR±15°	12
2000	240	R7s	P2/27 FEX 240V	88481	50,000	3200	P2/27	FEX	300	143	HOR±15°	12
2000	120	R7s	FEY Q2000 T8/4CL	88629	57,000	3200	P2/27	FEY	400	143	HOR±15°	12











R7s

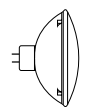


Other applications



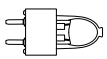
ConstantColor™ - CMH Single Ended GX9.5

Watts	Volts	Cap / base	Description	Product code	Lumens	CCT [K]	Life [h]	Candela	BEAM TYPE	Beam 10%	Beam 50%	MPBC	Length [mm]	Operating position	Outer qty
400	135	GX9.5	CMH400/932/GX9.5	73579	40,000	3200	5000	-	-	-	-	-	135	U	4



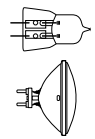
ConstantColor™ CMH -PAR64

150	95	GX16d	CMH150/PAR64/830/GX16D/MFL	88537	-	3000	8000	47,000	Medium	18x15	13x11	80,000	152	U	6
150	100	GX16d	CMH150/PAR64/842/GX16D/MFL	88542	-	4200	8000	47,000	Medium	18x15	13x11	80,000	152	U	6



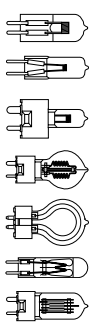
CSS

140	85	GY9.5	CSS150/CAP/50	88485	10,000	5000	1000	-	48	22	30	-	48	VBD±90	10



CSI/CID

400	100	Special	CSI400 99-0201	88495	32,000	4000±400	500	-	-	-	-	-	55	VBD±90	1
400	-	Special	CSI400/G22 99-0202	88412	-	-	-	-	-	-	-	-	-	-	-
1000	77	G22	CSI1000/G22 99-02	88494	90,000	4000±400	500	-	-	-	-	-	115	VBD±90	1
1000	77	G38	CSI1000/PAR64/G38	88514	1,350,000	3800±500	3500	-	-	18	6	1,350,000	80	U	1
1000	77	G38	CSI1000/PAR64/HR/G38 99-1422	88513	1,350,000	3800±500	3500	-	-	18	6	1,350,000	80	U	1



Specialist Projector

Watts	Volts	Cap / base	Description	Product code	Lumens	CCT [K]	LIF Code	ANSI Code	Life [h]	MPBC	Length [mm]	Operating position	Outer qty
50	12	G6.35	BRL A1/220 12V Q50/G6.35-15	18234	1400	3400	A1/220	BRL	50	-	44	BDTH	100
100	12	GY6.35	FCR A1/215 12V	14876	3500	3300	A1/215	FCR	50	-	44	BDTH	100
150	24	G6.35	FCS A1/216 24V Q150/G6.35-15	13598	4500	3300	A1/216	FCS	50	-	51	BDTH	100
250	24	G6.35	EHJ A1/223 24V Q250/G -15	14874	9000	3400	A1/223	EHJ	50	-	57	BDTH	100
400	36	GY6.35	EVD 36V 400W	41164	16,000	3200	A1/239	EVD	50	-	60	BDTH	25
650	240	GZ9.5	DYR 650W 240V	26895	16,500	3200	A1/233	DYR	50	-	64	U	24
800	230-240	GX9.5	HX185 800W 230-240V	88484	19,000	3050	HX185	-	300	-	100	BDTH	24
150	230-240	G6.35	A1/248 230-240V	88492	3000	-	A1/248	-	50	-	62	BDTH	50
300	230-240	G6.35	A1/249 230-240V	88491	7200	-	A1/249	-	50	-	62	BDTH	50
500	230-240	GY9.5	A1/244 230-240V	88460	13,000	-	A1/244	-	75	-	62	BDTH	24

ConstantColor™ - CMH Single Ended GX9.5



ConstantColor™ - CMH PAR64

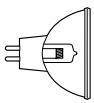


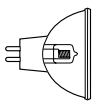
CSI/CID



Other applications

Watts	Volts	Cap / base	Description	Product code	Lumens	CCT [K]	LIF Code	ANSI Code	Life [h]	MPBC	Length [mm]	Operating position	Outer qty
Single Ended Tungsten Halogen											*Diameter 24mm		
250	24	G6.35	M36 24V 250W GY6.35	88516	5750	3000	M36	-	2000	-	58	BDTH	100
300	230-240	GY9.5	M38 230-240V	88442	5000	2900	M38	-	2000	-	80	BDTH	24
300	120	GY9.5	M38 120V	78343	5500	2900	M38	-	2000	-	80*	BDTH	24
500	230-240	GY9.5	M40 230-240V	88468	8500	2900	M40	-	2000	-	85	BDTH	24
Multi-Mirror® Quartzline® Projection - MR11													
28	13.8	GZ4	FLT 13.8 28W	25261	-	3050	-	FLT	500	Microfilm	-	BDTH	10
Multi-Mirror® Quartzline® Projection - MR13													
250	82	GX5.3	EXY 82V	12097	-	3200	-	EXY	200	Slide projection	-	BDTH	10
Multi-Mirror® Quartzline® Projection - MR16													
50	12	GX5.3	ENL	25475	-	3050	-	ENL	4000	Fibre optics, Enlarger & Printer, Equipment, Colour printer	-	BDTH	20
85	13.8	GX5.3	DED 13.8V	43950	-	3150	–	DED	1000	Microfilm	-	BDTH	20
150	20	GX5.3	DDL 20V 150W MR16	43537	-	3150	–	DDL	500	Microfilm	-	BDTH	20
150	21	GX5.3	EKE 21V	35200	-	3250	–	EKE	200	8mm projection	-	BDTH	20
250	24	GX5.3	ELC A1/259 24V	37462	-	3400	A1/259	ELC	50	16mm, Colour printer	-	BDTH	20
250	24	GY5.3	ELC / 500 24V 250W	15377	-	3250	–	ELC500	500	Disco	-	BDTH	20
360	82	GY5.3	ENX	41705	-	3300		ENX	75	Overhead projection	-	BDTH	
250	120	GY5.3	ENH 120V 250W GY5.3	38686	-	3250	–	ENH	175	Slide projection	-	BDTH	20
42	10.8	GX5.3	EPT 10.8V	41729	-	2900	-	EPT	8000	Fibre optics	-	BDTH	20





Multi-Mirror® Quartzline® Projection



Photographs and drawings are representative only. For the latest information please see product datasheets.

Compliance and warnings



Not suitable for household illumination

DISCHARGE

Compliance

Standards

- IEC 60061-1: Lamp Caps and Holders together with Gauges for the Control of Interchangeability and Safety – Part 1: Lamp Caps
- CIE S 009/E:2002: Photobiological Safety of Lamps and Lamp Systems

Directives

- CE mark: Directive 73/23/EEC, 2004/108/EC and 93/68/EEC
- RoHS II: Directive 2011/65/EU on the Restriction of the use of certain Hazardous Substances
- REACH: Directive 2006/1907/EC on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Hg: Directive 2002/96/EC (WEEE) Article 10 (3)
- UN2911: IAEA Pub 1384-2009 Safety Sec 544 (d)
- Der Grüne Punkt: Directive 94/62/EC Packaging and Packaging Waste

Warning

Risk of electric shock

- Turn power off before inspection, installation or removal
- Do not use where directly exposed to water or outdoors without an enclosed fixture

Risk of fire

- Keep combustible materials away from lamp
- Use in enclosed fixture rated for this product

Lamp emits UV radiation which may cause eye/skin injury. RG-3

- Avoid exposure of eyes and skin to unshielded lamp

Unexpected lamp rupture may cause injury, fire, or property damage

- Do not exceed rated wattage or voltage
- Do not touch glass with bare hands
- Use in enclosed fixture rated for this product
- Do not use lamp if outer glass is scratched or broken
- Use only properly rated ballast
- Operate lamp only in specified position
- Do not store flammable materials near/below lamp
- Do not use beyond rated life
- Do not turn on lamp until fully installed

Caution

Risk of burn

- Allow lamp to cool before handling
- Do not turn on lamp until fully installed

Lamp may shatter and cause injury if broken

- Do not use lamp if outer glass is scratched or broken
- Dispose of lamp in a closed container
- Do not use excessive force when installing lamp

Cut hazard - possible jagged glass

- Wear gloves when handling

HALOGEN

Compliance

Standards

- IEC60061-1 Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp Caps
- IEC60432-3 Incandescent lamps - Safety specifications - Part 3: Tungsten-halogen lamps (non-vehicle)
- CIE S 009:2002 Photobiological safety of lamps and lamp systems

Directives

- Safety (LVD): 2006/95/EC
- RoHS: Directive 2011/65/EU on Restrictions of the use of certain Hazardous Substances (RoHS)
- REACH: Directive 453/2010/EC on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- ErP household: Directive 2009/125/EC on ecodesign requirements (of Energy-related Products) and its Implementing Measure for non-directional Household Lamps: 244/2009/EC

Warning

These lamps are not intended for household room illumination. Their intended purpose is Stage/Studio lighting.

Risk of electric shock

- Turn power off before inspection, installation or removal

Risk of fire

- Keep combustible materials away from lamp
- Use in fixture rated for this product

Pressurised lamp - unexpected rupture may cause injury, fire, or property damage

- Do not exceed 110% of rated voltage
- Do not touch glass with bare hands
- Use in enclosed fixture rated for this product
- Do not use lamp if outer glass is scratched or broken
- Operate lamp only in specified position

Caution

Risk of burn

- Allow lamp to cool before handling
- Turn power off before installing lamp

Lamp emits UV radiation, IR and blue light which may cause eye/skin irritation. RG-2

- Limit unshielded exposure to less than 15 minutes per day
- Optical elements of the fixture may concentrate UV, blue light and IR radiation of the lamp. Do not stare in the direct light

Lamp may shatter and cause injury if broken

- Wear safety glasses and gloves when handling lamp
- Do not use lamp if outer glass is scratched or broken
- Dispose of lamp in a closed container

Specialty Lighting Solutions



Special applications

Range of lamp technologies	fluorescent and halogen
Multiple applications	UV, safety, Heat and Air
Extensive range	low watt to high watt
Variety of bases	for specific applications
Performance	consistent lamp performance
Output	high output for required application







Health and Safety

Insect control

Industrial heating

Airfield





GE's lighting expertise extends into many specialised areas of industry, including manufacturing, health and safety, space heating and airfield lighting.

Products for these applications include black light inspection lamps, UV germicidal lamps and halogen heaters.

GE Lighting is also a leading supplier to the entertainment industry, offering a range of lamp technologies for use in stage, studio, film and event lighting as well as architainment, projection and photography. There is separate information covering these.

Main application areas

HEALTH AND SAFETY

Bacterial destruction

- UVC 200-280 nm
- For water, air and surface sterilisation
- Destroys micro-organisms via absorption of UV light

Shatter protection

- Lamp encased in high quality plastic sleeve
- Used where avoidance of glass contamination is critical

INSECT CONTROL

- Special Phosphor – Black Light (BL)
- UVA 315-400nm
- Lamps to attract flies and insects
- Effect UV irradiance over life
- For use in fly traps
- Common use in food production areas

INDUSTRIAL HEATING

- Turning light to heat
- Directional instant radiant heat
- Heats objects and people not the air between
- Many industrial applications from paint drying to plastic bottle making

AIRFIELD

- Range of lamps for use on airfields
- Runway and taxiway lighting

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where Life or Average Life are stated we refer to the industry standard definition of how many hours of operation 50% of a given installation will exceed.

Additional parameters:

UV Output (Watts): The initial UV Output at 100 hours
Initial UVA Irradiance [mW/cm2 @ 20cm): UV Output at 1 m after 100 hours
Lumens: Initial amount of light output
CCT (K): Colour Temperature - Kelvins
A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value the whiter or "cooler" the light appears.
CRI (Ra): Colour Rendering Index
An indication of the ability of the lamp to render object colours in a normal, natural way. The higher the number (0-100), the better the colour appearance.

Watts:
Energy Used – Nominal Watts.
To estimate energy consumption (kWh), multiply watts x hours of use and multiply by 1000

Cap:
The type of cap fitted.

Product description:
The lamp's identification code

Peak Wavelength [nm]

Length:
Lamp length from base face to end of opposite pin in mm

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Peak Wavelength [nm]	Life [h]	Length [mm]		Pack Qty
Black Light T8							Min	Max	
15	55	G13	**F15T8/BL 368**	**98447**	368	7500	442.1	444.5	25

F15T8 / BL 368

(F) Identifies the lamp as Fluorescent

Volts:
Lamp data is based on operating voltage

(15T8) Identifies the lamp's wattage and diameter

(BL) Identifies product type

Product code:
It is important to use this code when ordering to ensure that you receive the exact product you require

Life:
Rated average life

Pack quantity:
Number of product units packed in a case

Selector

Health and Safety



UVC Germicidal T5/T8

Lamp volts:	29-155V
Watts:	4-65W
Cap:	T5: G5, Fa8 T8: G13
Life:	6000-9000h
Packing:	24



Germicidal T6 Biax

Lamp volts:	58-101V
Watts:	5-55W
Cap:	2G11
Life:	8000h
Packing:	10



covRguard™ Shatter protection

Watts:	18-58W
Cap:	G13
Life:	15,000h
CRI:	85

Insect control



Black Light T8

Lamp volts:	55V
Watts:	15W
Cap:	G13
Life:	7500h
Packing:	25



UVA Blacklight Biax™

Lamp volts:	60V
Watts:	9W
Cap:	GX23
Life:	167h
Packing:	10



UVA Blacklight Biax™ L

Lamp volts:	106V
Watts:	36W
Cap:	2G11
Life:	1280h
Packing:	10

Industrial heating



Quartz Heat

Lamp volts:	120-600V
Watts:	500-3800W
Cap:	Slv, R7s, CER
Life:	5000h
Packing:	6, 12

Airfield



Airfield

Lamp volts:	6.6A to 120V
Watts:	30-1000W
Cap:	Various
Life:	30-1000h
Packing:	Various

Health and Safety

UVC Germicidal T5

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	UV Output [Watts]	Peak Wavelength [nm]	Life [h]	Length [mm] Min.	Length [mm] Max.	Pack Qty
4	29	G5	**G4 T5**	**63599**	0.8	254	7000	140.6	143	24
6	40	G5	**G6 T5**	**63601**	1.6	254	9000	216.8	219.2	24
8	55	G5	**G8 T5**	**63602**	2.1	254	9000	293	295.4	24
11	37	G5	**G11 T5**	**63603**	2.2	254	9000	216.7	219.2	24
65	155	Fa8	**G64 T5**	**63606**	18	254	9000	1559	1563	24
16	54	G5	**G16 T5**	**63604**	4	254	9000	293	295.4	24

UVC Germicidal T6 Biax

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	UV Output [Watts]	Life [h]	Length [mm]	Pack Qty
18	58	2G11 4-pin	**GBX18/UVC/2G11**	**40704**	5.5	8000	232	10
36	106	2G11 4-pin	**GBX36/UVC/2G11**	**40705**	12	8000	422	10
55	101	2G11 4-pin	**GBX55/UVC/2G11**	**40706**	17	8000	542	10

UVC Germicidal T8

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	UV Output [Watts]	Life [h]	Length [mm] Min.	Length [mm] Max.	Pack Qty
15	49	G13	**G15 T8**	**63607**	4.8	9000	442	444.4	24
25	43	G13	**G25 T8**	**63608**	7.2	9000	442	444.4	24
30	98	G13	**G30 T8**	**63609**	11.3	9000	899.2	901.6	24
55	87	G13	**G55 T8 HO**	**63610**	19	9000	899.2	901.6	24

T8 covRguard™ Polylux XLR™

Wattage [W]	Cap	Product Description	Product Code	Light Output [lm]	CCT [K]	CRI [Ra]	Life [h]	Length [mm] Min.	Length [mm] Max.	Pack Qty
18	G13	**F18W/835CVG**	**17204**	1300	3400	80+	15,000	594.5	596.9	25
18	G13	**F18W/840CVG**	**17205**	1300	4000	80+	15,000	594.5	596.9	25
36	G13	**F36W/T8/835 CVG**	**17202**	3250	3400	80+	15,000	1204.1	1206.5	25
36	G13	**F36W/T8/840 CVG**	**17209**	3250	4000	80+	15,000	1204.1	1206.5	25
58	G13	**F58W/T8/835/GE/CVG**	**99590**	5050	3400	80+	15,000	1504.7	1507.7	25
58	G13	**F58W/T8/840/GE/CVG**	**99591**	5050	4000	80+	15,000	1504.7	1507.7	25



Germicidal T6 Biax



covRguard™

Insect control

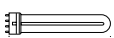
Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Peak Wavelength [nm]	Life [h]	Length [mm]		Pack Qty
Black Light T8							Min.	Max.	
15	55	G13	**F15T8/BL 368**	**98447**	368	7500	442.1	444.5	25



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Initial UVA Irradiance [mW/cm2 @ 20cm]	Peak Wavelength [nm]	Life [h]	Length [mm]	Pack Qty
UVA Blacklight Biax™ - Internal Starter									
9	60	G23	**F9BX BL G23**	**42935**	440	368	440	167	10



UVA Blacklight Biax™ L - External Starter									
36	106	2G11	**F36BX BL 2G11**	**42940**	1280	368	1,280	421.8	10



Industrial heating

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	CCT [K]	Life [h]	Length [mm]	Pack Qty
Quartz Heat								
500	120	Slv	**QH500T3/CL**	**21788**	2400	5000	223.8	12
500	120	R7S	**QH500T3/CL/7**	**21787**	2400	5000	220.5	12
1000	200-220	Slv	**QH1000T3/CL**	**22355**	2400	5000	351	12
1000	230-250	Slv	**QH1000T3/CL**	**22357**	2400	5000	351	12
1200	144	Slv	**QH1200T3/CL**	**22531**	2450	5000	223.8	12
1200	144	Slv	**QH1200T3/CL/HT**	**22532**	2450	5000	223.8	12
1600	230-250	R7S	**QH1600T3/CL/7**	**22691**	2400	5000	498.4	12
1600	230-250	Slv	**QH1600T3/CL**	**22688**	2400	5000	503	12
2000	230-250	Slv	**QH2M/T3/1CL/HT/VB**	**15551**	2450	5000	303	12
2000	220-250	Slv	**QH2MT3/CL/VB**	**18668**	2450	5000	350.5	12
2000	230-250	Slv	**QH2M/T3/CL/HT**	**22790**	2450	5000	350.8	12
2000	230-250	CER	**QH2MT3/CL/HT/R**	**12716**	2450	5000	352.5	12
2500	460-500	Slv	**QH2500T3/CL**	**22838**	2400	5000	731	12
2500	460-500	R7s	**QH2500T3/CL/7**	**22837**	2400	5000	727	12
3650	480	Slv	**QH3650/CL/5**	**10872**	2500	5000	1057	6
3800	550-600	Slv	**QH3800/CL**	**22875**	2500	5000	1062	6



UVA Biax L



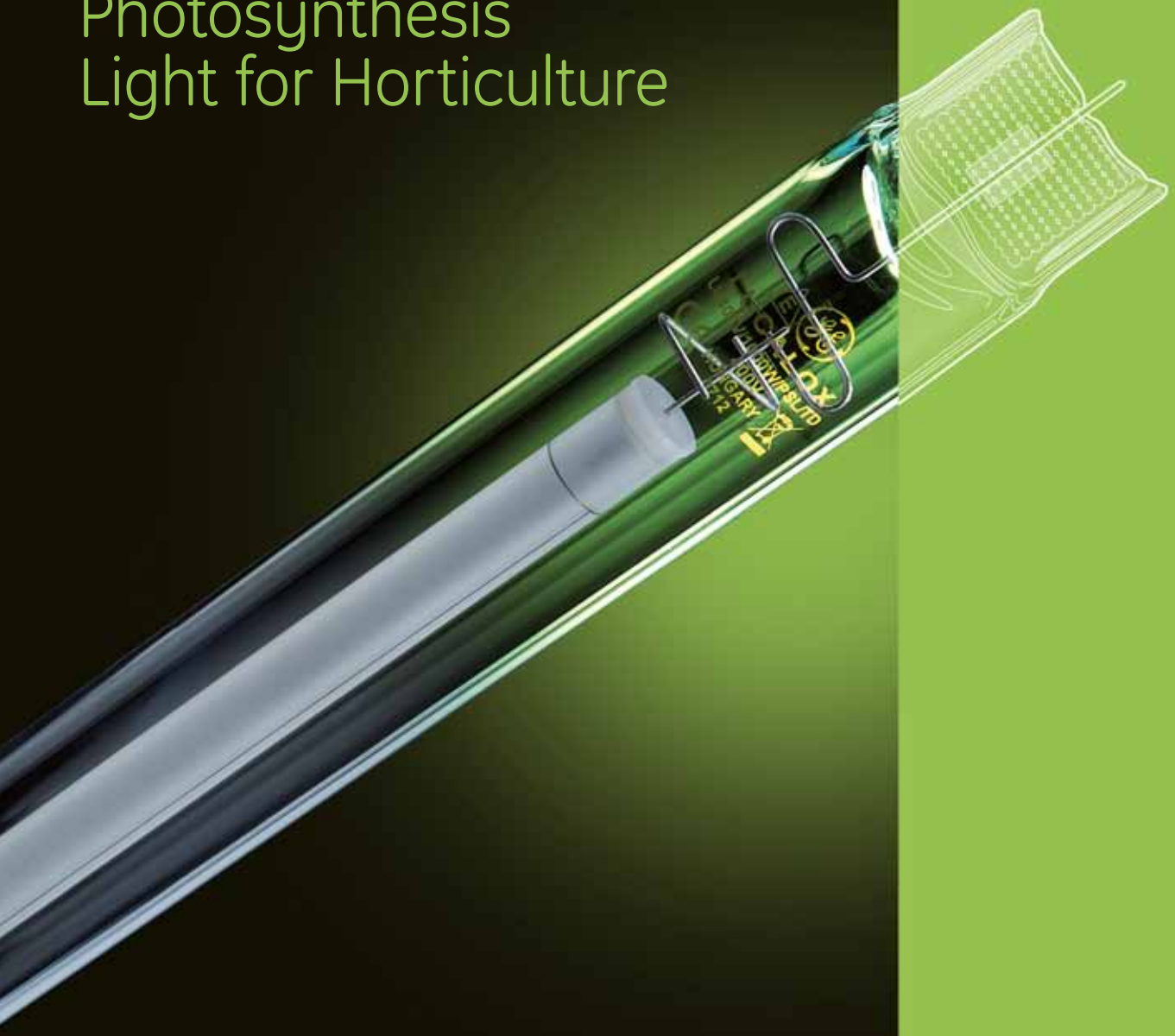
Quartz Heat

Airfield

Airfield Lighting

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Life [h]	Length [mm]	Pack Qty
30	6.6A	Gz9.5 2 Pin	**EXL**	**11478**	375	1000	44.5	24
45	6.6A	Gz9.5 2 Pin	**EXM**	**11482**	750	1000	44.5	24
45	6.6A	Mycalex cap & Prefocus collar	**AF6/2 6.6A 45W**	**88420**	760	600	54	100
65	6.6A	Special	**Q65T2 1/2/1/CL**	**32917**	1200	1000		200
100	6.6A	Mycalex cap & Prefocus collar	**AF 6/5T 6.6A 100W**	**88417**	2100	600	60	100
100	6.6A	PK30d	**Q6.6A100PK30d male**	**80584**	2700	1000	13.5	10
100	6.6A	PK30d	**Q6.6A100PK30d female**	**80588**	2700	1000	13.5	10
150	6.6A	PK30d	**Q6.6A150PK30d male**	**80585**	3600	1000	13.5	10
150	6.6A	PK30d	**Q6.6A150PK30d female**	**80589**	3600	1000	13.5	10
200	6.6A	PK30d	**Q6.6A200PK30d male**	**80586**	4800	1000	13.5	10
200	6.6A	PK30d	**Q6.6A200PK30d female**	**80590**	4800	1000	13.5	10
200	6.6A	Special 1" Ribbon Leads	**Q6.6A/T4/5CL**	**23857**	5000	500	76	12
200	6.6A	D.C.Bay	**Q6.6AT4/DCR**	**23860**	5150	500	64	12
200	6.6A	Scrw Term	**Q6.6A/PAR56/3**	**33279**	NA	1000	114	12
200	6.6A	Mycalex cap & Prefocus collar	**AF7/2 6.6A 200W**	**88413**	4800	600	54	100
300	20A	Mog End Pr GX16d	**Q20A/PAR56/C**	**15482**	NA	500	127	12
499	20A	Scrw Term	**Q20A/PAR56/3**	**23863**	NA	500	114	12
1000	120	G38 Mog BiPost	**IM T20BP**	**88525**	22000	500	241	12

Photosynthesis
Light for Horticulture



Lighting for growth
Lamps and lighting for horticulture

Properly balanced	blue and red colours to optimise growth
Improves	the yield and quality of glasshouse crops
Specially developed	for horticulture
More PAR	on average compared to standard HPS
Stable	PAR performance
Wide range	250 - 1000W







Horticulture

Main application area

Greenhouses

Growers of food plants find artificial light just as important as it is for flowering plants. GE's specially-developed range of horticultural lamps enable growers to use artificial lighting to improve the yield and quality of glasshouse crops and time growth to meet market demands.

Light output and lumen maintenance on their own are not enough to create plant growth. Plants require a certain radiation level to help with the photosynthesis that enables them to grow, and others factors such as day length also play an important part. Photosynthetically Active Radiation (PAR), measured in micromole/sec, is essential for plant growth. Lucalox™ Photosynthesis Lamps (PSL) are high pressure sodium lamps with a spectrum that gives the best possible PAR, with stable lumen and micromole maintenance, in a greenhouse lighting regime.

Lucalox™ PSL lamps are available in 230V with 250W, 400W and 750W options, and in 400V with 600W, 750W and 1000W.

New to the range are the 600W 400V electronic single ended and 1000W 400V double ended products.

Lucalox™
PhotoSynthesis Lamp (PSL) range

GE's range of horticultural lamps has been extended with the recent addition of 600W electronic and 1000W double ended products, so the range now spans 250 - 1000 watts with 230 and 400 volt options, to suit both OEMs and growers.



NEW PRODUCT

600W 400V Electronic PSL

- High initial mean PAR 1120µMol
- Long service life of 12,000 HOURS (B10)



NEW PRODUCT

1000W Double Ended PSL

- High initial mean PAR 1970µMol
- Long service life of 10,000 hours (B10)

1000W PSL Lamp Features

- High initial mean PAR of 1970µMol
- Over 1900µMol average PAR over life
- Long service life of 10,000 hours (B10)
- Electronic ballast system efficiency versus electromagnetic ballast
- Improved electrical load on the installation
- Compatible with known ballasts
- Output power of ballast constant
- Less fixtures required in greenhouse



PSL technology

Performance and reliability

- **GE's advanced sodium resistant ceramic helps eliminate early failures to give a rated service life of 10,000 to 12,000 hours for Lucalox™ PSL products.**
- **In order to achieve maximum performance, GE recommends lamp replacement when the Rated Service Life is reached.**
- **The lamps use extra rugged monolithic arc tubes equipped with GE Reliable Starting Technology which provides continuous high performance.**

High xenon-fill gas

- **Extra light and PAR (Photosynthetically Active Radiation) output.**
- **More resistance to mains voltage fluctuations.**

Zirconium gettering system

- **Improves PAR maintenance that drives constant and uniform plant growth.**
- **The diameter of the frame wire in the lamp has been minimised to reduce shading in the installation without affecting the robustness of the lamp.**
- **Monolithic arc tube construction for durability and lumen maintenance.**

Photosynthetically Active Radiation to extend daylight

The effect of optical radiation on plants has been studied extensively. Generally, photons emitted in the spectral region of 400 - 700nm are particularly effective. Therefore the simple measurement of the quantity of light (Lux) is not sufficient for the horticultural market. Photosynthetically Active Radiation (PAR) and Photosynthetic Photon Flux (PPF) are more useful measurements.

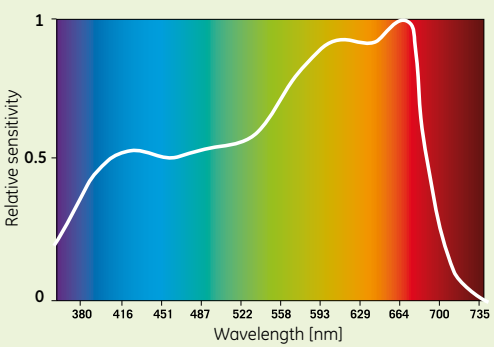
PPF is defined as flux of the photons emitted in the 400 - 700nm wavelength range by the light source. It is expressed in micromoles/second (µmol/s), where 1 micromole means $6x10^{17}$ photons.

The Lucalox™ PSL range from GE has optimised spectra for greenhouse use, with an enhanced red portion of the light output.

- Plants can be used over a longer period
- In winter, fruit can be produced with taste to match summer fruit
- Production can start earlier
- Year-round cultivation is possible

Spectral range

Plants respond to light of varying colour. In general, red light causes plants to become tall and "leggy" while blue light, when used alone, can cause low, stocky growth. A proper balance of red and blue energy produces plants that have normal growth and shape.



Plants have different sensitivity to different wavelengths.

Day and night
Photoperiodism

The relative length of day and night and the seasons is important to plants. The number of hours of darkness in a 24-hour cycle is an important factor in determining blossoming and growing time.

Night length triggers seed germination, tuber and bulb formation, and other growth characteristics such as colour, enlargement of leaves and stem size and shape. This rhythmic characteristic is called photoperiodism and is of great value to growers.

Plants can be classified according to photoperiodicity.

Short day (long night)



The perennial Chrysanthemum and the Poinsettia, which flower in the autumn, are examples of *short-day (long-night)* plants. They fail to flower when the day length, or period of light, is extended beyond a critical value.

Long day



Long-day plants, such as the China Aster and Tuberous Rooted Begonia, flower only with a day length longer than a critical value.

Day neutral



Day-neutral plants, such as the Rose and Carnation, are not limited by photoperiod.

Understanding these principles enables commercial growers to use artificial light profitably, so that flowering and vegetable harvesting can be timed for markets.

Timing

Slow down

The *Perennial Chrysanthemum* is a short-day length plant that will not flower when the day is long (short-night). To postpone flowering Chrysanthemum growers, instead of lengthening the day, interrupt the night for about four hours. This makes the night appear short to plants, which then continue to grow vegetatively instead of starting to flower.

A more economical method of postponing flowering of Chrysanthemums is to apply cycles of light, switching light on for 10 minutes and off for 50 minutes, for four hours during the night, instead of applying light continuously. This is cyclic lighting. It is an effective way of growing flowers. If lighting levels are higher then the grower will see better stem and flower quality and less opportunity for disease.

Speed up

The *China Aster* is a typical long-day (short-night) plant. Long-day plants can be brought to flower ahead of the normal time by lengthening the day. Relatively low intensities of light are enough to induce flowering, when applied early in the morning or at the end of the day. A dark-period interruption - from a few minutes to a few hours - as with other long-day plants, effectively induces flowering just as it inhibits flowering of short-day plants.

Poinsettias must have complete and continuous darkness for about 12 hours a day in order to flower. Even 1 minute of light in the middle of the dark period will prevent their flowering.

Tuberous Begonias flower only when daily dark periods are short - less than 12 hours - but they require long dark periods for best production of tubers. Flowering of tomatoes, however, is not influenced by photoperiod.

Setting the clock



Add

Use Lucalox™ PSL as an additional daytime source of light, boosting existing light levels and aiding photosynthesis.



Extend

Use Lucalox™ PSL as a means of extending the growth time per day. Lights can be switched on at dusk or other non daylight hours.



Extend

Use Lucalox™ PSL as an extension to the growing season through usage during the winter months.



Substitute

Use Lucalox™ PSL as a complete natural light substitute for total environmental control in growing rooms and biological research establishments.

Plant colour and leaf formation

Photoperiod also influences plant responses such as colour and formation of the leaves.

Coleus, for example, under continuous lighting, produces dark red leaves with bright green edges. Less than 10 hours of light per day results in less sturdy plants and paler colours. The tulip bulb is the main source of food reserve, and the light is needed mainly to develop the plants' green colour. Stems attain their greatest length if grown under lighting.



Quality from start to finish



Guaranteed

GE is constantly engaged in a global quality process. A statistical quality system, designated SIX SIGMA, is applied in all areas of the company from manufacturing through to sales. The lamps comply with the IEC/EN 62035 standards.

GE offers warranties to distributors of its Lucalox™ PSL lamps. The warranty comprises two parts:

- Warranty on lamp reliability (Lamp Survival).
- Warranty on PAR (Photosynthetically Active Radiation) maintenance.

Reliable performance

While light quality is paramount, reliability and performance have also been key factors in the development of the Lucalox™ PSL lamp range.

Robust construction, reliable starting technology and improved lumen maintenance ensure peace of mind against early lamp failures and provide the consistency demanded for perfect growing conditions.

Typical PAR maintenance



Typical lamp survival





Selector

Single ended 230V



230V 250W

Lamp volts:	115V
Current:	2.7A
Watts:	250W
100 h lumens:	33,000
100 h PAR:	430 µmole/sec
Packing:	12 or 63



230V 400W

Lamp volts:	110V
Current:	4.3A
Watts:	420W
100 h lumens:	56,500
100 h PAR:	710 µmole/sec
Packing:	12 or 63



230V 600W

Lamp volts:	115V
Current:	6.0A
Watts:	615W
100 h lumens:	90,000
100 h PAR:	1080 µmole/sec
Packing:	12 or 63



230V 750W

Lamp volts:	115V
Current:	7.4A
Watts:	755W
100 h lumens:	112,000
100 h PAR:	1320 µmole/sec
Packing:	12 or 63

Single ended 400V



400V 600W

Lamp volts:	200V
Current:	3.6A
Watts:	620W
100 h lumens:	85,000
100 h PAR:	1120 µmole/sec
Packing:	12 or 63



400V 600W EL

Lamp volts:	200V
Current:	3.6A
Watts:	620W
100 h lumens:	85,000
100 h PAR:	1120 µmole/sec
Packing:	12 or 63

(Electronic ballast)



400V 750W

Lamp volts:	205V
Current:	4.4A
Watts:	765W
100 h lumens:	104,000
100 h PAR:	1390 µmole/sec
Packing:	12 or 63

Double ended 400V



400V 1000W

Lamp volts:	220-240V
Current:	4.5A
Watts:	1000W
100 h lumens:	140,000
100 h PAR:	1970 µmole/sec
Packing:	12 or 32

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where Life or Average Life are stated we refer to the industry standard definition of how many hours of operation 50% of a given installation will exceed.

Product description: Lamp reference – describes the lamp's main characteristics

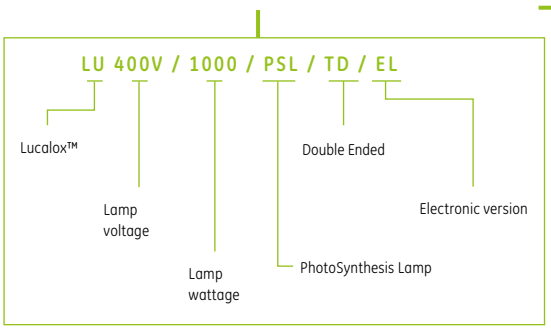
Product code: GE SKU code. Choose code according to pack quanity.

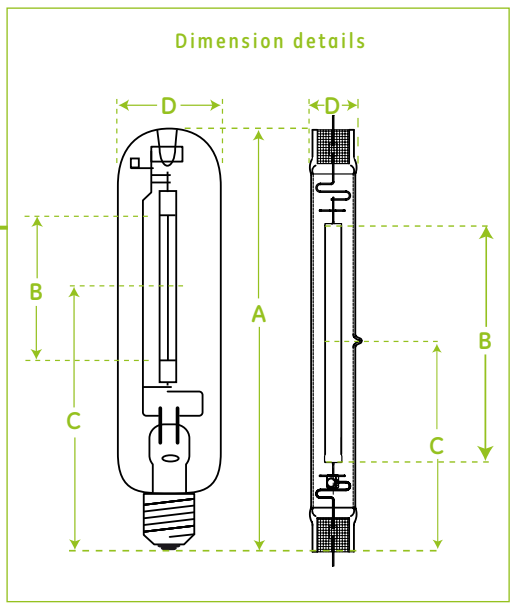
Dimensions: In mm. See diagram.

Performance: This gives an indication of the lamp's brightness and its effect on plant growth.

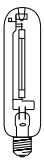
400V - E40 Cap

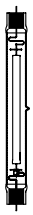
Volts [V]	Current [A]	Power* [W]	Product Description	Product Code [12 pack]	Product Code [63 pack]	Max Length A [mm]	Arc gap B [mm]	LCL C [mm]	Diameter D [mm]	Cap	100 hour lumens [Lumens]	100 hour PAR [µmole/sec]	Bulb glass	Operating position
200	**3.6**	**620**	**LU400V/600W/PSL/T**	**43440**	**43439**	**292**	**124.5**	169	48	E40/45	85,000	1120	Hard	Universal





Volts [V]	Current [A]	Power* [W]	Product Description	Product Code [12 pack]	Product Code [63 pack]	Max Length A [mm]	Arc gap B [mm]	LCL C [mm]	Diameter D [mm]	Cap	100 hour lumens [Lumens]	100 hour PAR [µmole/sec]	Bulb glass	Operating position
230V - E40 Cap														
115	**2.7**	**250**	**LU250W/PSL/T**	**88665**	**N/A**	**260**	**64**	158	48	E40/45	33,000	430	Hard	Universal
110	**4.3**	**420**	**LU400W/PSL/T**	**17106**	**44304**	**292**	**87**	175	48	E40/45	56,500	710	Hard	Universal
115	**6.0**	**615**	**LU600W/PSL/T**	**17107**	**44305**	**292**	**125**	169	48	E40/45	90,000	1080	Hard	Universal
115	**7.4**	**755**	**LU750W/PSL/T**	**17108**	**44306**	**293**	**130**	178	51	E40/45	112,000	1320	Hard	Universal
400V - E40 Cap														
200	**3.6**	**620**	**LU400V/600W/PSL/T**	**43440**	**43439**	**292**	**124.5**	169	48	E40/45	85,000	1120	Hard	Universal
200	**3.6**	**620**	**LU400V/600/PSL/T/EL****	**63919**	**63922**	**292**	**124.5**	169	48	E40/45	85,000	1120	Hard	Universal
205	**4.4**	**765**	**LU400V/750W/PSL/T**	**43438**	**43437**	**293**	**143**	175	51	E40/45	104,000	1390	Hard	Universal
400V - Double ended														
220-240	**4.5**	**1000**	**LU400V/1000/PSL/TD/EL****	**63921**	**63924*****	**327**	**160**	150-160	34	K12x30S	140,000	1970	Hard	Universal





* Depending on system conditions, lamp power can vary by ±2.5%

** Electronic ballast

** 32 bulk pack not 63

Brand cross reference

The following table shows GE and alternative brand Product Descriptions. These cross references are provided as a quick guide and may only represent a near equivalent to other brands. The table contains data from alternative brands' catalogues and website.

GE	PHILIPS	Osram	Sylvania
LU250W/PSL/T		Plantastar Inter 250	
LU400W/PSL/T	MASTER GreenPower 400W EM 230V	Plantastar 400	SHP-TS GroLux 400W
LU600W/PSL/T	MASTER GreenPower 600W EM 230V	Plantastar 600	SHP-TS GroLux 600W
LU750W/PSL/T			
LU400V/600W/PSL/T	MASTER GreenPower 600W EM 400V		SHP-TS GroLux 600W-400V
LU400V/600/PSL/T/EL	MASTER GreenPower 600W EL 400V		
LU400V/750W/PSL/T			
LU400V/1000/PSL/TD/EL	MASTER GreenPower TD 1000W EL 400V		

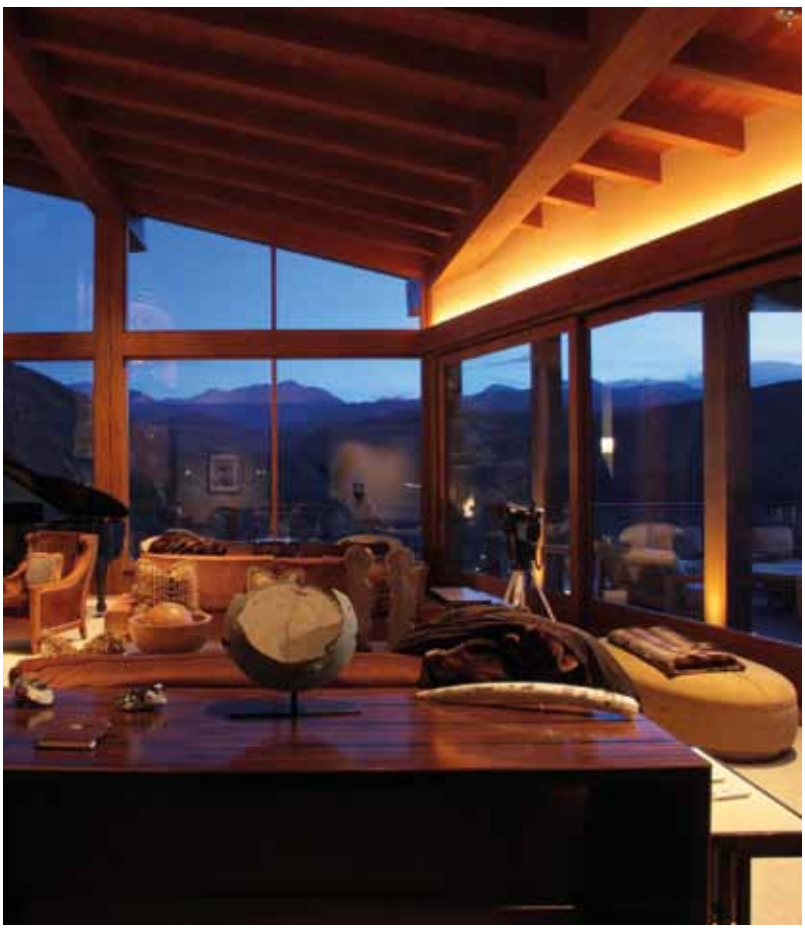
Incandescent



We invented incandescent technology. We know how to replace it.

From Thomas Edison's first commercially viable light bulb to the first X-ray machines, we've continued to innovate what has yet to be imagined.

GE was born from the invention of the world's first affordable incandescent lamp. More than a century later, our lighting business still brings light to the world, helping to advance new technologies, that operate with more efficiency, less cost and less environmental impact than ever before.





Since March 2009 a regulation was adopted in all EU countries and inefficient non-directional lamps have been gradually phased out from the EU market.

GE Lighting, as member of ELC (European Lamp Companies Federation), is fully committed to this regulation and has a complete range of new energy efficient products to replace old incandescent lamps.



Home

Product alternatives for incandescent lamps







Strong, vibrant	Fresh, energising	Comfortable, inviting	Cosy, relaxing	Subtle, reassuring

LED


PAR30 10W


GU10 6W


GLS 12W


CANDLE 4.5W


SPHERICAL 1.2W

CFL


STICK 23W


SPIRAL 15W


GLS 12W


CANDLE 7W


SPHERICAL 5W

HALO


PAR30 75W


PAR20 50W


GLS 42W


CANDLE 28W


SPHERICAL 18W

Incandescent Lamps

GLS



Standard

Cap: E27 or B22
Wattages: 25-300W
Finish: Clear or Frosted
Rated life: 1,000Hrs

Page VIII.6



Low Volt

Cap: E27
Wattages: 25-100W
Voltage: 24V
Finish: Clear or Frosted
Rated life: 1,000Hrs

Page VIII.6



Rough Service

Cap: E27 or B22
Wattages: 40-100W
Voltage: 120, 230-240V
Finish: Frosted
Rated life: 1,500-3,000Hrs

Page VIII.6



Traffic Light

Cap: E27
Wattages: 60-100W
Finish: Clear
Rated life: 3,000Hrs

Page VIII.7



Coloured

Cap: E27
Wattages: 25W
Finish: 5 colours
Rated life: 1,000Hrs

Page VIII.7

Spherical



Standard

Cap: E14, E27 or B22
Wattages: 15-60W
Finish: Clear or Frosted
Rated life: 1,000Hrs

Page VIII.7



Coloured

Cap: E14, E27
Wattages: 15W
Finish: 8 colours
Rated life: 1,000Hrs

Page VIII.8



T45

Cap: E14, E27
Wattages: 25-60W
Finish: Softlight
Rated life: 1,000Hrs

Page VIII.8



Oven

Cap: E14 or E27
Wattages: 25, 40W
Finish: Clear

Page VIII.8

Candle



Standard

Cap: E14, E27
Wattages: 25-60W
Finish: Opal or Frosted
Rated life: 1,000Hrs

Page VIII.8



Twisted

Cap: E14
Finish: Clear or Frosted
Rated life: 1,000Hrs

Page VIII.9

Selector

Reflector



R39

Cap: E14
Wattages: 25-30W
Rated life: 1,000Hrs

Page VIII.9



R50

Cap: E14
Wattages: 25-60W
Rated life: 1,000Hrs

Page VIII.9



R63

Cap: E27
Wattages: 40-60W
Rated life: 1,000Hrs

Page VIII.9



R80

Cap: E27
Wattages: 40-100W
Rated life: 1,000Hrs

Page VIII.9



R95

Cap: E27
Wattages: 75-150W
Rated life: 1,000Hrs

Page VIII.9



Coloured R50, R63, R80

Cap: E14, E27
Wattege: 40-60W
Rated life: 1,000

Page VIII.10

Infrared Reflector



Infrared Hard Glass

Cap: E27
Wattages: 100-275W
Beam: Clear, Red or Satin
Rated life: 5,000Hrs

Page VIII.10

Pygmy



Standard and Appliance

Cap: E14, E27
Wattages: 15-40W
Finish: Clear
Rated life: 300-1,000Hrs

Page VIII.11

Tubular



T25

Cap: E14
Wattage: 15, 25W
Finish: Clear
Rated life: 1,000

Page VIII.11



T28

Cap: E14
Watteg: 25-60W
Finish: Clear
Rated life: 1,000

Page VIII.11

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where Rated Life is are stated we refer to the industry standard definition of how many hours of operation 50% of a given installation will exceed.

Additional parameters:

Beam Spread Degrees: For reflector type lamps. The angle of the cone of light produced by a reflector lamp at 50% of its intensity

Peak Beam Intensity: For reflector type lamps. Luminous intensity of the lamp beam expressed in candelas

Watts:
Energy Used – Nominal Watts. To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000

Cap:
The type of cap fitted. See page 148-149 for cap drawings

Product description:
The lamp's identification code

Lumens:
Light output after the initial 2 hours of operation

Diameter:
Bulb diameter in mm

EEC:
Energy Efficiency Class

Standard GLS - Frosted

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
60	127V	E27	**60A1/F/E27**	**22433**	820	1,000	50	88.5	D	1/10/120
40	230	E27	**40A1/F/E27**	**21671**	415	1,000	50	88.5	E	1/10/60

15A1 / FR / E27

Identifies the lamp's wattage

Identifies the finish of the lamp

Volts:
Lamp data is based on operation at rated voltage

Identifies the lamp type A1=GLS, C1=Candle, Gxx=Globe (xx=diameter), Rxx=Reflector, P1=Pygmy, SL=Striplight, D1=Spherical

Identifies the cap type

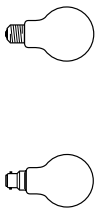
Product code:
It is important to use this code when ordering to ensure that you receive the exact product you require

Rated life:
The point in time when 50% of installed lamps are still burning

Length:
Lamp length in mm

Pack quantity:
Ex. Each in one outer case, 10 individual boxes shrink-wrapped. Altogether 50 lamps fit in a carton

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
Standard GLS - Frosted										
40	240	E27	**40A1/F/E27**	**19952**	410	1,000	50	88.5	E	1/10/120
60	240	E27	**60A1/F/E27**	**19954**	700	1,000	50	88.5	E	1/10/120
100	240	E27	**100A1/F/E27**	**19956**	1330	1,000	50	88.5	E	1/10/120
150	230	E27	**150A65/FR/E27**	**22568**	2160	1,000	65	123	E	1/20
200	230	E27	**200A1/F/E27**	**91128**	3040	1,000	80	142	E	1/20
60	230	B22	**60A1/F/B22**	**21663**	710	1,000	50	88.5	E	1/10/60
75	230	B22	**75A1/F/B22**	**21664**	940	1,000	50	88.5	E	1/10/60
100	230	B22	**100A1/F/B22**	**21665**	1340	1,000	50	88.5	E	1/10/60
Standard GLS - Clear										
25	240	E27	**25A1/CL/E27**	**19944**	225	1,000	50	88.5	E	1/120
40	240	E27	**40A1/CL/E27**	**19946**	410	1,000	50	88.5	E	1/10/120
60	240	E27	**60A1/CL/E27**	**19947**	700	1,000	50	88.5	E	1/10/120
75	240	E27	**75A1/CL/E27**	**19948**	930	1,000	50	88.5	E	1/10/120
100	240	E27	**100A1/CL/E27**	**19949**	1330	1,000	50	88.5	E	1/10/120
150	230	E27	**150A65/CL/E27**	**22566**	2160	1,000	65	123	E	1/20
200	230	E27	**200A1/CL/E27**	**91127**	3040	1,000	80	142	E	1/20
300	230-240	E27	**300A1/CL/E27**	**91226**	4850	1,000	90	168	E	1/20
300	230-240	E40	**300A1/CL/E40**	**91724**	4850	1,000	90	180	E	1/20
40	240	B22	**40A1/CL/B22**	**19958**	410	1,000	50	88.5	E	1/10/120
60	240	B22	**60A1/CL/B22**	**19962**	700	1,000	50	88.5	E	1/10/120
75	240	B22	**75A1/CL/B22**	**19965**	930	1,000	50	88.5	E	1/10/120
100	240	B22	**100A1/CL/B22**	**19967**	1330	1,000	50	88.5	E	1/10/120
Low Volt GLS - Clear										
25	24	E27	**25A1/CL/E27 24V**	**35178**	320	1,000	60	104.5	C	1/10/100
40	24	E27	**40A1/CL/E27 24V**	**91876**	580	1,000	60	104.5	D	1/10/100
60	24	E27	**60A1/CL/E27 24V**	**91877**	930	1,000	60	104.5	D	1/10/100
100	24	E27	**100A1/CL/E27 24V**	**35174**	1740	1,000	60	104.5	D	1/10/100
Low Volt GLS - Frosted										
60	24	E27	**60A1/F/E27 24V**	**91875**	930	1,000	60	104.5	D	1/10/100
100	24	E27	**100A1/F/E27 24V**	**91873**	1740	1,000	60	104.5	D	1/10/100
Rough Service GLS - Frosted										
60	120	E27	**60A1/P/VRS/E27**	**31546**	450	1,500	60	105	G	1/20
100	120	E27	**100A1/P/GRS/E27**	**31573**	820	3,000	60	105	G	1/20
40	230-240	E27	**40A1/F-RS/E27**	**91228**	250	2,500	60	105	G	1/20
60	230-240	E27	**60A1/F-RS/E27**	**91229**	450	2,500	60	105	G	1/20
100	230-240	E27	**100A1/F-RS/E27**	**91227**	880	2,500	60	105	G	1/20
60	120	B22	**60A1/P/VRS/B22**	**31535**	450	1,500	60	103.5	G	1/20
100	120	B22	**100A1/P/GRS/B22**	**31560**	820	3,000	60	103.5	G	1/20



Product only available OUTSIDE the EU.
Product only available OUTSIDE the EU from 1 September 2012.

Incandescent Lamps

Traffic Light GLS - Clear



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
70	230	E27	**70A1/CL/E27**	**35238**	420	3,000	60	105	G	1/10/100
60	230	E27	**60A1/CL/E27/TSR**	**35239**	380	3,000	60	105	G	1/10/100
100	230	E27	**100A65/CL/E27**	**22620**	880	3,000	60	105	G	1/10

Coloured GLS



Colour	Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
Red	**25**	230	E27	**25A1/R/E27**	**90922**	1,000	50	88.5	1/10/120
Orange	**25**	230	E27	**25A1/O/E27**	**90923**	1,000	50	88.5	1/10/120
Yellow	**25**	230	E27	**25A1/Y/E27**	**90921**	1,000	50	88.5	1/10/120
Green	**25**	230	E27	**25A1/G/E27**	**90920**	1,000	50	88.5	1/10/120
Blue	**25**	230	E27	**25A1/B/E27**	**90924**	1,000	50	88.5	1/10/120

Spherical - Clear







Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
25	240	E14	**25D1/CL/E14**	19775	210	1,000	45	74	E	1/10/100
40	240	E14	**40D1/CL/E14**	19782	400	1,000	45	74	E	1/10/100
60	240	E14	**60D1/CL/E14**	19784	660	1,000	45	74	E	1/10/100
15	230	E27	**15D1/CL/E27**	91917	100	1,000	45	71	E	1/10/50
25	230	E27	**25D1/CL/E27**	90564	210	1,000	45	71	E	1/10/50
40	230	E27	**40D1/CL/E27**	90565	400	1,000	45	71	E	1/10/50
60	230	E27	**60D1/CL/E27**	91593	660	1,000	45	71	E	1/10/50
15	230	B22	**15D1/CL/B22**	91911	100	1,000	45	70	E	1/10/50
40	230	B22	**40D1/CL/B22**	91989	400	1,000	45	70	E	1/10/50

Spherical - Frosted





Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
25	240	E14	**25D1/FR/E14**	19777	200	1,000	45	74	F	1/10/100
40	240	E14	**40D1/FR/E14**	19778	400	1,000	45	74	E	1/10/100
60	240	E14	**60D1/FR/E14**	19786	660	1,000	45	74	E	1/10/50
40	230	E27	**40D1/F/E27**	90567	400	1,000	45	71	E	1/10/50
60	230	E27	**60D1/F/E27**	90568	660	1,000	45	71	E	1/10/50

Product only available OUTSIDE the EU.
Product only available OUTSIDE the EU from 1 September 2012.

Coloured Spherical

Colour	Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
Red	15	230	E14	15D1/R/E14	90525	1,000	45	74	1/10/50
Red	15	230	E27	15D1/R/E27	90531	1,000	45	71	1/10/50
Orange	15	230	E27	15D1/ORANGE/E27	90528	1,000	45	71	1/10/50
Yellow	15	230	E14	15D1/Y/E14	90526	1,000	45	74	1/10/50
Yellow	15	230	E27	15D1/Y/E27	90527	1,000	45	71	1/10/50
Green	15	230	E14	15D1/G/E14	92004	1,000	45	74	1/10/50
Green	15	230	E27	15D1/G/E27	91521	1,000	45	71	1/10/50
Yellow	15	230	E14	15D1/B/E14	92001	1,000	45	74	1/10/50
Yellow	15	230	E27	15D1/B/E27	91522	1,000	45	71	1/10/50





Spherical T45 - Softlight

Colour	Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
Softlight	40	230	E14	40T45/SL/E14	90562	350	1,000	45	74	F	1/10/50
Softlight	60	230	E14	60T45/SL/E14	91952	600	1,000	45	74	F	1/10/50



Spherical Oven - Clear

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
25	230	E27	25D1/CL/E27	12513	140	300	45	71	G	1/10/100
40	230	E14	40D1/CL/E14	12462	320	300	45	74	F	1/10/50
40	230	E27	40D1/CL/E27	12515	320	300	45	71	F	1/10/100





Candle - Clear

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
25	240	E14	25C1/CL/E14	90478	210	1,000	35	97	E	1/10/50
40	240	E14	40C1/CL/E14	91673	400	1,000	35	97	E	1/10/50
60	240	E14	60C1/CL/E14	91677	660	1,000	35	97	E	1/10/50
40	240	E27	40C1/CL/E27	10879	400	1,000	35	93	E	1/10/100
60	240	E27	60C1/CL/E27	10880	660	1,000	35	93	E	1/10/100



Candle - Frosted

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
25	240	E14	25C1/FR/E14	91680	200	1,000	35	97	F	1/10/50
40	240	E14	40C1/FR/E14	91682	400	1,000	35	97	E	1/10/50
60	240	E14	60C1/FR/E14	91683	660	1,000	35	97	E	1/10/50



Candle - Opal

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
25	230	E14	25C1/SL/E14	90483	180	1,000	35	97	F	1/10/50
40	230	E14	40C1/SL/E14	90482	360	1,000	35	97	F	1/10/50
60	230	E14	60C1/SL/E14	90481	600	1,000	35	97	F	1/10/50
25	230	E27	25C1/O/E27	10875	180	1,000	35	78.5	F	1/10/50
40	230	E27	40C1/O/E27	10877	360	1,000	35	78.5	F	1/10/50
60	230	E27	60C1/O/E27	10878	600	1,000	35	78.5	F	1/10/50





Product only available OUTSIDE the EU.
Product only available OUTSIDE the EU from 1 September 2012.

Incandescent Lamps

Decor Candle - Twisted Clear



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
15	230	E14	**15TC1/CL/E14**	**10823**	100	1,000	35	97	E	1/10/50
25	230	E14	**25TC1/CL/E14**	**10826**	210	1,000	35	97	E	1/10/50
40	230	E14	**40TC1/CL/E14**	**10827**	400	1,000	35	97	E	1/10/50
60	230	E14	**60TC1/CL/E14**	**10828**	660	1,000	35	97	E	1/10/50

Decor Candle - Twisted Frosted



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
25	230	E14	**25TC1/F/E14**	**10831**	200	1,000	35	97	F	1/10/50
40	230	E14	**40TC1/F/E14**	**10832**	400	1,000	35	97	E	1/10/50
60	230	E14	**60TC1/F/E14**	**10833**	660	1,000	35	97	E	1/10/50

Reflector - R39



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
25	230	E14	**25R39/E14**	**91523**	65	80	1,000	39	64	1/10/100
30	230	E14	**30R39/E14**	**91524**	80	80	1,000	39	64	1/10/100

Reflector - R50



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
25	230	E14	**25R50/E14**	**92373**	200	35	1,000	50	86	1/10/50
40	230	E14	**40R50/E14**	**92366**	300	35	1,000	50	86	1/10/50
60	230	E14	**60R50/E14**	**91327**	600	35	1,000	50	86	1/10/50

Reflector - R63



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
40	230	E27	**40R63/E27**	**91079**	250	35	1,000	63.5	101	1/10/40
60	230	E27	**60R63/E27**	**91080**	410	35	1,000	63.5	101	1/10/40

Reflector - R80



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
40	230	E27	**40R80S/E27**	**92858**	200	35	1,000	80	121	1/10
60	230	E27	**60R80S/E27**	**92839**	450	35	1,000	80	121	1/10
75	230	E27	**75R80S/E27**	**92859**	600	35	1,000	80	121	1/10
100	230	E27	**100R80S/E27**	**92860**	800	35	1,000	80	121	1/10

Reflector - R95



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Candela [cd]	Beam Angle [°]	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
75	230	E27	**75R95/E27**	**91351**	1000	35	1,000	95	129	1/32
100	230	E27	**100R95/E27**	**91366**	1350	35	1,000	95	129	1/32
150	230	E27	**150R95/E27**	**91367**	2250	35	1,000	95	129	1/32

Product only available OUTSIDE the EU.
Product only available OUTSIDE the EU from 1 September 2012.

Coloured Reflector - R50

Colour	Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
Red	**40**	230	E14	**40R50/R/E14**	**91386**	1,000	50	86	1/25
Yellow	**40**	230	E14	**40R50/Y/E14**	**91388**	1,000	50	86	1/25
Green	**40**	230	E14	**40R50/G/E14**	**91389**	1,000	50	86	1/25
Blue	**40**	230	E14	**40R50/B/E14**	**91387**	1,000	50	86	1/25



Coloured Reflector - R63

Colour	Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
Red	**40**	230	E27	**40R63/R/E27**	**91532**	1,000	63.5	101	1/25
Yellow	**40**	230	E27	**40R63/Y/E27**	**91531**	1,000	63.5	101	1/25
Green	**40**	230	E27	**40R63/G/E27**	**91533**	1,000	63.5	101	1/25
Blue	**40**	230	E27	**40R63/B/E27**	**91530**	1,000	63.5	101	1/25



Coloured Reflector - R80

Colour	Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
Red	**60**	230	E27	**60R80/R/E27**	**91528**	1,000	80	121	1/40
Yellow	**60**	230	E27	**60R80/Y/E27**	**91527**	1,000	80	121	1/40
Green	**60**	230	E27	**60R80/G/E27**	**91526**	1,000	80	121	1/40
Blue	**60**	230	E27	**60R80/B/E27**	**91525**	1,000	80	121	1/40



Infrared Reflector Hard Glass - Clear

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
150	230-240	E27	**150R/IR/CL/E27**	**28720**	5,000	125	170	1/9
250	230-240	E27	**250R/IR/CL/E27**	**28724**	5,000	125	170	1/9
275	230-240	E27	**275R/IR/CL/E27**	**32569**	5,000	125	170	1/9



Infrared Reflector Hard Glass - Red Front

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
150	240	E27	**150R/IR/R/E27**	**91372**	5,000	125	170	1/10
250	240	E27	**250R/IR/R/E27**	**91391**	5,000	125	170	1/10



Infrared Reflector Hard Glass - Satin

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Rated life [h]	Diameter [mm]	Length [mm]	Pack Qty
150	240	E27	**150/IR/F/E27**	**91288**	5,000	125	170	1/10
250	240	E27	**250R/IR/F/E27**	**91390**	5,000	125	170	1/10
275	230-240	E27	**275R/IR/SA/E27**	**32296**	5,000	125	170	1/9



Incandescent Lamps





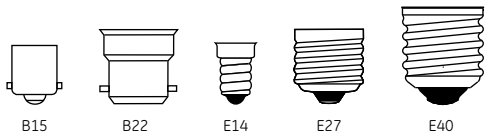


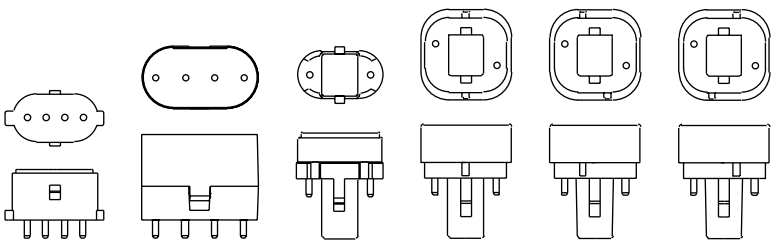

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Rated life [h]	Diameter [mm]	Length [mm]	EEC	Pack Qty
Pygmy - Clear										
15	110	E14	**15P1/CL/E14**	**31821**	65	1,000	28	60	G	1/50
15	110	B22	**15P1/CL/B22**	**31811**	65	1,000	28	55	G	1/50
15	230	E14	**15P1/CL/E14**	**12512**	90	1,000	28	60	F	1/10/50
25	230	E14	**25P1/CL/E14**	**91955**	190	1,000	28	60	F	1/10/50
15	240	E14	**15P1/CL/E14**	**91950**	85	1,000	26	55	F	1/10/50
25	240	E14	**25P1/CL/E14**	**34420**	190	1,000	28	60	F	1/50
Pygmy Fridge - Clear										
15	230	E14	**15P1/CL/E14**	**92046**	85	1,000	26	55	F	1/10/50
15	230-240	E15	**15P1/CL E14**	**73478**	90	1,000	26	60	F	500
25	230-240	E14	**25P/E14/CL**	**73479**	190	1,000	26	60	F	500
Pygmy Oven - Clear										
15	230	E14	**15P1/OVEN22/CL/E14**	**12447**	85	1,000	22	48	F	1/50
15	230-240	E14	**15P1/RS/CL/E14**	**93301**	90	1,000	22	60	F	300
25	230	E14	**25P1/OVEN25/CL/E14**	**43381**	160	1,000	25	55	G	1/50
25	230-240	E14	**25P1/OVEN/T25/CL**	**45330**	190	1,000	25	60	F	250
Tubular T25 - Clear										
15	230	E14	**15T25/CL/E14**	**13118**	100	1,000	25	67.5	E	1/50
25	230	E14	**25T25/CL/E14**	**13119**	210	1,000	25	67.5	E	1/50
Tubular T28 - Clear										
25	230	E14	**25T28/CL/E14**	**13109**	210	1,000	29	93.5	E	1/50
40	230	E14	**40T28/CL/E14**	**13110**	400	1,000	29	93.5	E	1/50
60	230	E14	**60T28/CL/E14**	**13111**	660	1,000	29	93.5	E	1/50

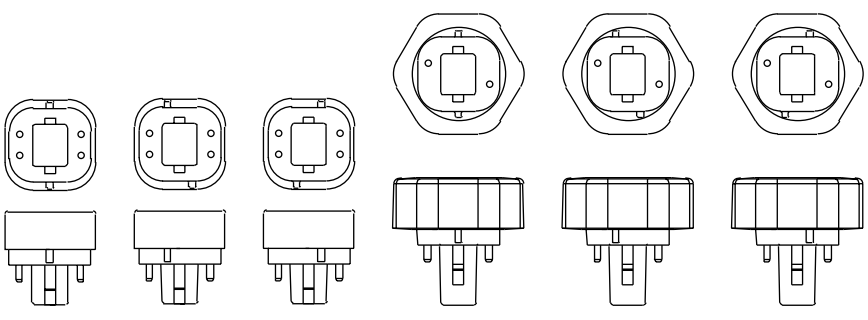
Product only available OUTSIDE the EU.
Product only available OUTSIDE the EU from 1 September 2012.

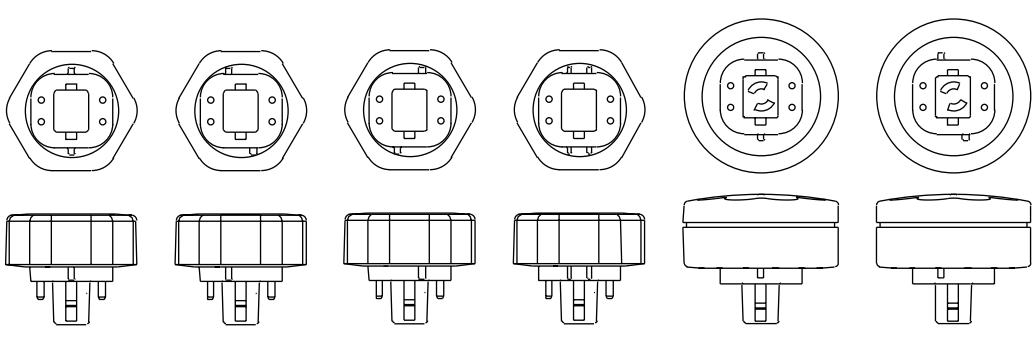
Cap drawings

All cap drawings are a guide, if further technical details are required please contact your nearest sales office.


B15 B22 E14 E27 E40

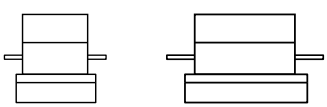

2G7 2G11 G23 G24d-1 G24d-2 G24d-3

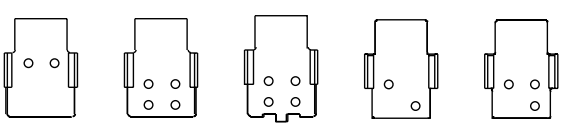

G24q-1 G24q-2 G24q-3 GX24d-1 GX24d-2 GX24d-3

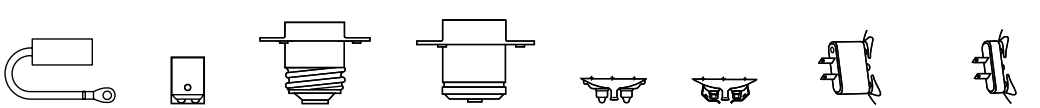

GX24q-1 GX24q-2 GX24q-3 GX24q-4 GX24q-5 GX24q-6

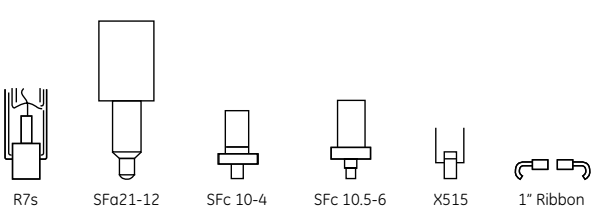

G4
G5
G5.3
G8.5
G9
G10q
G12
G13
G22
G38


GU4
GU5.3
GU6.5
GU10
GX5.3
GX9.5
GX10
GX16d
GY6.35
G6.35
GZ6.35
GY9.5
GY9.5/
Heat Sink
GZ9.5


PGJX28
PGJX50


GR8
GR10q
GRY10q-3
GRZ10d
GRZ10t


Cylinder
DC Bay
P40s
P28s
Ferule
Screw
Terminal
Ext. Mog End Pr
GX16d
Mog End Pr
GX16d


R7s
SFa21-12
SFc 10-4
SFc 10.5-6
X515
1" Ribbon
Leads

Glossary

A

Accent Lighting
Directional lighting to emphasize a particular object or draw attention to a display item.

Adaptation
The process by which the human eye adjusts to a change in light level.

Ambient Lighting
The general lighting present in an area -excluding task lighting and accent lighting but including general lighting and daylight streaming in.

Ambient Temperature
The surrounding temperature within an environment.

Amperes ("Amps.")
A measure of electrical current. In incandescent lamps, the current is related to voltage and power as follows: Watts (power) = Volts x Amps (current).

American National Standards Institute (ANSI)
A consensus-based organization which coordinates voluntary standards for the physical, electrical and performance characteristics of lamps, ballasts, luminaires and other lighting and electrical equipment.

Anode
The "positive" terminal of a diode.

ANSI Ballast Type
Ballast type used to operate lamp in accordance with ANSI standard.

ANSI Codes
These are 3-letter codes assigned by the American National Standards Institute. They provide a system of assuring mechanical and electrical interchangeability among similarly coded lamps from various manufacturers. General Electric uses the assigned ANSI Codes as Lamp Ordering Codes for most Projection Lamps.

Application
Also called "lighting application," it refers to the particular use the lamp is being put to. (e.g. high-bay industrial application or retail lighting application.) The term can also refer in a general way to "application engineering" which deals with specific parameters and usage of light sources. (e.g. how to do a lighting layout, where to place fixtures and so on.)

Arc
A general term for a high intensity electrical discharge occurring between two electrodes in a gaseous medium, usually accompanied by the generation of heat and the emission of light (See ELECTRICAL DISCHARGE).

Arc Lamp
A light source containing an arc (see above). Also called a discharge lamp, or an arc discharge lamp (See ELECTRICAL DISCHARGE).

Arc Length
In High Intensity Discharge lamps this is the distance between the electrode tips, which represents the physical length of the electrical discharge.

Atmosphere
This field designates the type of gas or vacuum filling a volume or chamber of the lamp. This chamber might contain a filament or it might refer to the bulb which contains the arc tube.

Auto Reset Shutdown Circuit
Circuit senses lamp end life and will automatically shut off power to the lamp(s). When a new lamp is inserted in the socket, the ballast resets, and turns on the lamp automatically. Some shutdown circuits require the power to be cycled before a new lamp will re-light.

B

Ballast
An auxiliary piece of equipment required to start and to properly control the flow of current to gas discharge light sources such as fluorescent and high intensity discharge (HID) lamps.

Ballast Efficacy Factor (BEF)
Defined as ballast factor x 100 divided by input watts. The value is used to evaluate various lighting systems based on light output and power input. The BEF can only be used to compare systems operating the same type and quantityof lamps.

Ballast Factor (BF)
This is the percentage of a lamp's rated lumen output that can be expected when operated on a specific, commercially available ballast. For example, a ballast with a ballast factor of 0.93 will result in the lamp's emitting 93% of its rated lumen output. A ballast with a lower BF results in less light output and also generally consumes less power.

Ballast Hum
Sound generated by the vibration of laminations in the iron core of the transformer or inductor present in the ballast.

Ballast Losses
Power or energy dissipated in the ballast as heat and not converted to lamp energy.

Base or Socket
The socket is the receptacle connected to the electrical supply; the base is the end of the lamp that fits into the socket. There are many types of bases used in lamps, screw bases being the most common for incandescent and HID lamps, while bipin bases are common for linear fluorescent lamps.

Base Temperature (Maximum)
The maximum operating temperature permitted for the base in Celsius. Fixture manufacturers need to ensure that these conditions are satisfied in their fixture.

Bayonet
A style of bulb base which uses keyways instead of threads to connect the bulb to the fixture base. The bulb is locked in place by pushing it down and turning it clockwise.

Beam Angle
The angular dimension of the cone of light from reflectorized lamps (such as R and PAR types) encompassing the central part of the beam out to the angle where the intensity is 50% of maximum. The beam angle sometimes called "beam spread" is often part of the ordering code for the reflectorized lamps. Example: The 50PAR30/HIR/NFL25 is a 50 watt PAR30 narrow flood lamp with a beam angle of 25 degrees (See FIELD ANGLE).

Beam Lumens
The total lumens present within the portion of the beam contained in the beam angle.

Beam Spread (Approximate)
For reflector type lamps. The total angle of the directed beam (in degrees horizontal or vertical) to where the intensity of the beam falls to 50% or 10% of the maximum candlepower value as indicated.

Bi-Pin
Any base with two metal pins for electrical contact. This is the typical base for a fluorescent tube of 1 to 4 feet in length. It consists of 2 prong contacts which connect into the fixture. Medium bi-pins are used with type T-8 and T-12 tubular fluorescent lamps, and miniature bi-pins are used for tubular T-5 fluorescent lamps.

Biax™

GE trademark for its biaxial family of high-efficiency and long-life compact fluorescent lamps. DBX (Double Biax), TBX (Triple Biax) and QBX (Quad Biax) refer to the number of U-shaped legs present in the lamp.

Blackbody

A hot body with an incandescent black surface at a certain temperature used as a standard for comparison. Note that a black surface is the best radiator possible. A tungsten filament will emit slightly less radiation than a blackbody at the same temperature.

Black Light

A popular term referring to a light source emitting mostly near UV (320 to 400 nm) and very little visible light.

Blacktop

Whether or not the top of the miniature lamp has a blacktop coating. The coating is used to control unwanted brightness or glare.

Bollard

A short, thick post with a light at its top, used for grounds and outdoor walkway lighting.

Bottom Exit Studs (BES)

(LFL plug-in ballasts) A configuration with screw studs mounted on the base plate or bottom of the ballast. The screws are 3/8" inches long with a #8-32 thread size (#8-32 nut). They are mounted on a two-inch center. The studs are usually used to mount the ballast directly onto a junction box plate.

Bulb

A loose way of referring to a lamp. "Bulb" refers to the outer glass bulb containing the light source.

Bulb Material or Coating

The type of glass (or quartz) used in the glass envelope surrounding the light source. The material can also have coatings applied to achieve particular performances.

Bulb Size

Bulb shape followed by its size (the maximum diameter of the bulb expressed in eighths of an inch). For Compact Fluorescent products, "S", "D", "T", and "Q" are used to represent Single, Double, Triple and Quad Biax® sizes. The code also includes a reference such as T4 to represent the size of the tube. Rectangular headlamps are designated as "Rect" and the number of millimeters horizontally.

C

Canadian Energy Standards

Indicates ballast complies with Canadian Energy Standards and meets the requirements of CAN/CSA C654-M91.

Canadian Standards Association (CSA)

An organization that writes standards and tests lighting equipment for performance as well as electrical and fire safety. Canadian provincial laws generally require that all products sold for consumer use in Canada must have CSA or equivalent approval.

Candela [cd]

The measure of luminous intensity of a source in a given direction. The term has been retained from the early days of lighting when a standard candle of a fixed size and composition was defined as producing one candela in every direction. A plot of intensity versus direction is called a candela distribution curve and is often provided for reflectorized lamps and for luminaires with a lamp operating in them.

Candlepower

An obsolete term for luminous intensity; current practice is to refer to this simply as candelas (see CANDELA).

Candlepower (Mean Spherical)

Initial mean spherical candlepower at the design voltage. Mean spherical candlepower is the generally accepted method of rating the total light output of miniature lamps. To convert this rating to lumens, multiply it by 12.57 (4 pi).

Candlepower Distribution Curve

A graphical presentation of the distribution of light intensity of a light source, usually a reflector lamp or luminaire.

Capacitor

Device in an electronic circuit (part of ballast or a separate element) that stores electrical energy. Often used for power factor correction and lamp regulation.

Cathode

The "negative" terminal of a diode/arc.

Cathode Resistance

Resistance of the cathode in a Fluorescent lamp. It is measured "cold" before the lamp is turned on (Rc) or "hot" after the lamp is turned on (Rh). The ratio of the hot resistance to the cold resistance is also measured (Rh/Rc).

Center Beam Candlepower (CBCP)

Refers to the luminous intensity at the center of the beam of a blown or pressed reflector lamp (such as a PAR lamp). Measured in candelas.

Ceramic Metal Halide (CMH)

A type of metal halide lamp that uses a ceramic material for the arc tube instead of glass quartz, resulting in better colour rendering (>80 CRI) and improved lumen maintenance. GE ConstantColor™ CMH lamps feature a 3-piece arc tube design that delivers excellent colour consistency and lamp reliability.

Chip

A very small square of semi-conducting material. Also known as a "die," it is the "active" light-emitting component of an LED.

Chromaticity

Measure to identify the colour of a light source, typically expressed as (x,y) coordinates on a chromaticity chart (See COLOUR TEMPERATURE).

Chromaticity Coordinates

A system for measuring the colour of the light emitted from a light source-either a primary source like a lamp or a secondary source like an illuminated object. Usually two numbers, x and y coordinates ranging from 0 to 1 specify the chromaticity.

Class P Thermal Protector

A switching device sensitive to current and heat that automatically disconnects ballast if the temperature exceeds UL temperature limitations.

Coefficient of Utilization (CU)

In general lighting calculations, the fraction of initial lamp lumens that reach the work plane. CU is a function of luminaire efficiency, room surface reflectances and room shape.

Coil

Windings of copper or aluminum wire surrounding the steel core in ballast. Also refers to the entire assembly comprising the inductor or transformer.

Colour Bin

LEDs are often sorted according to their CIE chromaticity coordinates into different groupings or "bins."

Glossary

Colour Rendering Index (CRI)

An international system used to rate a lamp's ability to render object colours. The higher the CRI (based upon a 0-100 scale) the richer colours generally appear. CRI ratings of various lamps may be compared, but a numerical comparison is only valid if the lamps are close in colour temperature. CRI differences among lamps are not usually significant (visible to the eye) unless the difference is more than 3-5 points.

Colour Rendering Indicator

Draws attention to the fact that this is a lamp with high colour rendering, which helps objects and persons illuminated to appear more true to life.

Colour Temperature (Correlated Colour Temperature - CCT)

A number indicating the degree of "yellowness" or "blueness" of a white light source. Measured in Kelvins, CCT represents the temperature an incandescent object (like a filament) must reach to mimic the colour of the lamp. Yellowish-white ("warm") sources, like incandescent lamps, have lower colour temperatures in the 2700K-3000K range; white and bluish-white ("cool") sources, such as cool white (4100K) and natural daylight (6000K), have higher colour temperatures. The higher the colour temperature the whiter, or bluer, the light will be (See CHROMATICITY).

Compact Fluorescent Lamp (CFL)

The general term applied to fluorescent lamps that are single-ended and that have smaller diameter tubes that are bent to form a compact shape. Some CFLs have integral ballasts and medium or candelabra screw bases for easy replacement of incandescent lamps.

ConstantColor™

A GE registered name for lamp families that show very little colour shift over life, such as GE's Precise™ MR16 lamps and GE's ceramic metal halide (CMH) lamps.

Coolbeam

(See DICHROIC REFLECTOR)

Cool White

A term loosely used to denote a colour temperature of around 4100 K or higher. The Cool White (CW) designation is used specifically for T12 and other fluorescent lamps using halophosphors and having a CRI of 62.

Core

Component of electromagnetic ballast that is surrounded by the coil. Core is comprised of steel laminations or solid ferrite material.

Core & Coil Ballast

A ballast that uses a "Core & Coil" assembly to operate fluorescent or HID lamps. Refers to copper or aluminum windings on a steel core.

Cosine-Corrected

An illuminance meter that measures the light level correctly irrespective of the angle the light is coming from. (See ILLUMINANCE METER)

Cost of Light

Usually refers to the cost of operating and maintaining a lighting system on an ongoing basis. The 88-8-4 rule states that (typically) 88% is the cost of electricity, 8% is labor and only 4% is the cost of lamps.

covRguard™

A lamp encased by a plastic sleeve or coating to help contain glass fragments if the lamp breaks.

Crest Factor (Max Current)

The ratio of the peak lamp current to average lamp operating current (RMS). The lower the current crest factor is, the gentler the ballast is on the lamp.

Current Type (AC/DC)

Whether the operational voltage is based on Alternating Current or Direct Current.

D

Daylight Harvesting

Lighting design for building interiors that makes of daylight as a way of reducing energy consumption.

Daylight Lamp

A lamp resembling the colour of daylight, typically with a colour temperature of 5500 K to 6500K.

Declaration of Conformity (DoC)

A self-declaration of a product on its compliance to the Electromagnetic Compatibility Directive and the Low Voltage Directive and it can bare CE conformity marking (EU).

Dichroic Reflector (or Filter)

A reflector (or filter) that reflects one region of the spectrum while allowing the other region(s) to pass through. A reflector lamp with a dichroic reflector will have a "cool beam" i.e. most of the heat has been removed from the beam by allowing it to pass through the reflector while the light has been reflected.

Die

See Chip.

Dimmable

Whether or not the lamp lumens can be varied while maintaining reliability.

Dimmer, Dimming Control

A device used to lower the light output of a source, usually by reducing the wattage it is being operated at. Dimming controls are increasing in popularity as energy conserving devices.

Discharge Lamp

A lamp where light is emitted from an electrical discharge between two electrodes as opposed to a filament lamp. Examples are: Fluorescent lamps and HID (High Intensity Discharge) lamps like Metal Halide, Mercury and High Pressure Sodium.

All discharge lamps require some kind of current limiting device, e.g. a ballast, to operate them.

Driver

Control gear for LED-based products. Can be either constant current or constant voltage. For LED lamps the driver is often integral (see 'Self-Ballasted Lamps').

E

Eccentricity (Maximum)

In High Intensity Discharge lamps the Bulb to Arc Angle is the angle off of center between electrodes and bulb. The Bulb to Base Angle is the angle off of center that the bulb is from the base.

Edison Award

An annual competition where lighting designers submit their best projects. The entries are judged by an international panel and awards are presented at a banquet accompanying Light Fair, the North American trade show for the lighting industry.

Efficacy

A measurement of how effective the light source is in converting electrical energy to LUMENS of visible light. Expressed in LUMENS-PER-WATT [LPW] this measure gives more weight to the yellow region of the spectrum and less weight to the blue and red region where the eye is not as sensitive.

Efficiency

The efficiency of a light source is simply the fraction of electrical energy converted to light, i.e. watts of visible light produced for each watt of electrical power with no concern about the wavelength where the energy is being radiated. For example, a 100 watt incandescent lamp converts 7% of the electrical energy into light; discharge lamps convert 25% to 40% into light.

The efficiency of a luminaire or fixture is the percentage of the lamp lumens that actually comes out of the fixture (See LUMINOUS EFFICACY).

Efficiency of Ballast

The ratio of output power divided by input power. A premium ballast would have an electrical efficiency greater than 90%. The efficiency of a luminaire or fixture is the percentage of the lamp lumens that actually comes out of the fixture.

e-HID ballast

(see ELECTRONIC HID BALLAST).

ELC (European Lamp Companies Federation)

Created in 1985, the European Lamp Companies Federation (ELC) is both the forum and the voice of the lamp industry in Europe. It represents the leading European lamp manufacturers, which collectively directly employ 50,000 people, and account for 95 percent of total European production, with an annual turnover in Europe of €5 billion. From the outset, ELC objectives have been to promote efficient lighting practice for a sustainable environment and the advancement of human comfort, health and safety. To this end, ELC monitors, advises and co-operates with legislative bodies in developing European Directives and Regulations relevant to the European lamp industry.

Electrical Discharge

A condition under which a gas becomes electrically conducting and becomes capable of transmitting current, usually accompanied by the emission of visible and other radiation. An electric spark in air is an example of an electrical discharge, as is a welder's arc and a lightning bolt. (See ARC, ELECTRODELESS LAMPS)

Electrical Testing Laboratory (ETL)

Independent testing laboratory that performs ballast tests and certifies accuracy of performance data.

Electrode

Any metal terminal emitting or collecting charged particles, typically inside the chamber of a gas discharge lamp. In a fluorescent lamp, the electrodes are typically metal filaments coated with special powders called emission mix. Negatively charged free electrons emitted by one electrode are attracted to the positive electrode (anode), creating an electric current and arc between electrodes.

Electrodeless Lamps

Light sources where the discharge occurs in a chamber with no electrodes (no metal). The energy for the discharge is supplied by radio frequency excitation, e.g. microwaves (See GENURA).

Electromagnetic Ballast

(See MAGENTIC BALLASTS).

Electromagnetic Inference (EMI)

High frequency electronic ballasts and other electronic devices can produce a small amount of radio waves which can interfere with radio and TV. Federal mandated requirements must be met for EMI levels before an electronic device is considered FCC compliant (US). (FCC is the Federal Communications Commission).

Electromagnetic Spectrum

A continuum of electric and magnetic radiation that can be characterized by wavelength or frequency. Visible light encompasses a small part of the electromagnetic spectrum in the region from about 380 nanometers (violet) to 770 nanometers (red) by wavelength.

Electronic Ballast

A short name for a fluorescent high frequency electronic ballast. Electronic ballasts use solid state electronic components and typically operate fluorescent lamps at frequencies in the range of 25-35 kHz. The benefits are: increased lamp efficacy, reduced ballast losses and lighter, smaller ballasts compared to electromagnetic ballasts. Electronic ballasts may also be used with HID (high intensity discharge) lamps (See ELECTROMAGNETIC BALLAST).

Electronic HID Ballast

An electronic ballast capable of operating an HID lamp. GE's UltraMax® (electronic HID ballast) operates PulseArc® (metal halide) and CMH (ceramic metal halide) lamps between 250W and 400W and provides higher efficiency and significantly improved lumen maintenance over magnetic ballasts.

Elliptical Reflector (ER) Lamp

An incandescent lamp with a built-in elliptically-shaped reflecting surface. This shape produces a focal point directly in front of the lamp which reduces the light absorption in some types of luminaires . It is particularly effective at increasing the efficacy of baffled downlights.

Enclosed Fixtures

(See OPEN FIXTURE RATED)

Energy Policy Act (EPACT)

Comprehensive energy legislation passed by the U. S. Congress in 1992. The lighting portion includes lamp labeling and minimum energy efficacy (lumens/watt) requirements for many commonly used incandescent and fluorescent lamp types. Federal Canadian legislation sets similar minimum energy efficacy requirements for incandescent reflector lamps and common linear fluorescent lamps.

Energy Policy Act (EPACT) Indicator

Means this lamp is Federally regulated for Energy Efficiency (US) (See ENERGY POLICY ACT).

EoL (End-of-Life Protection)

A circuit that senses that a lamp has reached end of life (compact fluorescent lamps and small diameter linear fluorescent lamps) and turns off power to the lamp. Continuing to power the lamp beyond end of life can result in overheating of the lamp ends.

Energy-Using Products (EuP)

The EuP Directive establishes a framework for the setting of eco-design requirements for energy-using products. It aims to improve the environmental performance of products throughout the life-cycle, by systematic integration of environmental aspects at a very early stage in the product design.

Eye Sensitivity

A curve depicting the sensitivity of the human eye as a function of wavelength (or colour). The peak of human eye sensitivity is in the yellow-green region of the spectrum. The normal curve refers to photopic vision or the response of the cones. (See Photopic, Scotopic, Fovea, Foveal vision)

F

Federal Communications Commission (FCC)

The U. S. Federal agency that regulates emissions in the radio frequency portion of the electromagnetic spectrum. Part 18 of the FCC rules specifies electromagnetic interference (EMI) from lighting devices operating at frequencies greater than 9 kilohertz (kHz). Typical electronically-ballasted compact fluorescent lamps operate in the 24 - 100 kHz frequency range.

Field Angle

The angular dimension of the cone of light from reflectorized lamps (such as R and PAR types) encompassing the central part of the beam out to the angle where the intensity is 10% of maximum (See BEAM ANGLE).

Filament Design

Filaments are designated by a letter combination in which C is a coiled wire filament, CC is a coiled wire that is itself wound into a larger coil, and SR is a straight ribbon filament. Numbers represent the type of filament-support arrangement.

Fixture Requirements

Describes fixture requirements for HID lamps.
O = Open or Enclosed Fixtures
E = Enclosed Fixtures Only
S = Lamps operated in a vertical position (Base Up or Down) ±15°, can be used in an open fixture. Lamps burned in any other orientation must be used in "enclosed fixtures only".

Flicker

The periodic variation in light level caused by AC operation that can lead to strobe effects.

Flood

Used to refer to the beam pattern of a reflector lamp, which disperses the light over a wide beam angle, typically 20 degrees or more. ("Flood" as opposed to "Spot")

Floodlight

A luminaire used to light a scene or object to a level much brighter than its surroundings. Usually floodlights can be aimed at the object or area of interest.

Fluorescence

A physical phenomenon whereby an atom of a material absorbs a photon of light an immediately emits a photon of longer wavelength. If there is a significant delay the phenomenon is called phosphorescence rather than fluorescence. It is interesting that "phosphors" used in lamps exhibit "fluorescence," not "phosphorescence." (See PHOSPHOR).

Fluorescent HO

Fluorescent HO and VHO lamps require special ballasts that generate higher currents than standard ballasts and operate the lamps at higher wattage than standard lamps. These lamps are generally less efficient than the standard product. Metal Halide HO and XHO lamps operate on the same ballasts as standard lamps and at the same wattage but are more efficient and produce higher light output than standard lamps.

Fluorescent Lamp

A high efficiency lamp utilizing an electric discharge through low pressure mercury vapour to produce ultraviolet (UV) energy. The UV excites phosphor materials applied as a thin layer on the inside of a glass tube which makes up the structure of the lamp. The phosphors transform the UV to visible light.

Footcandle (fc)

A unit of illuminance or light falling onto a surface. It stands for the light level on a surface one foot from a standard candle. One footcandle is equal to one lumen per square foot. See also Lux.

Footcandle Meter

(See ILLUMINANCE METER).

Footlambert

An obsolete term referring to a luminance of 1/? candelas per square foot.

Forward Current

Current through an LED in the direction of its greatest conduction.

Forward Voltage (VF)

The voltage across an LED for a given forward current.

Four-Pin Compact Fluorescent Lamps

A "plug-in" compact fluorescent lamp with 4 pins in the base to make electrical contact with the ballast. Four-pin lamps can be dimmed on appropriate dimming ballasts while two-pin lamps cannot.

Frequency

Rate of alternation in an AC current. Expressed in cycles per second or Hertz (Hz).

Fovea, Foveal Vision

A small region of the retina corresponding to what an observer is looking straight at. This region is populated almost entirely with cones, while the peripheral region has increasing numbers of rods. Cones have a sensitivity peaking in the yellow and corresponding to the eye response curve (See PHOTOPIC, SCOTOPIC, EYE SENSITIVITY).

Full Spectrum Lighting

A marketing term, typically associated with light sources that are similar to some forms of natural daylight (5000K and above, 90+ CRI), but sometimes more broadly used for lamps that have a smooth and continuous colour spectrum.

G

Genura™

GE's electrodeless compact fluorescent lamp, Genura™, uses induction to power the discharge. The chamber generates UV (just like a discharge in a regular fluorescent lamp) that is converted by phosphors to visible light. Because Genura™ uses no electrodes, the life of this unique reflector lamp is longer than typical compact fluorescent products (see INDUCTION LIGHTING).

Glare

Visual discomfort caused by excessive brightness is called discomfort glare. If task performance is affected it is called disability glare. Glare can be direct glare or indirect (reflected) glare (See VEILING REFLECTIONS and VISUAL COMFORT PROBABILITY).

Group Relamping

The practice of replacing all the lamps at an installation at one time with new lamps when the lamps have operated for (typically) 65% to 70% of rated life. The two benefits of group relamping are: (1) reduced maintenance costs because of the expense and inconvenience of replacing failing lamps one at a time, and (2) improved appearance and performance since older lamps are often degrading in brightness and colour as they age.

H

Halogen Lamp

A halogen lamp is an incandescent lamp with a filament that is surrounded by halogen gases, such as iodine or bromine. Halogen gases allow the filaments to be operated at higher temperatures and higher efficacies. The halogen participates in a tungsten transport cycle, returning tungsten to the filament and prolonging lamp life.

Halogen-IR (HIR™) Lamp

GE designation for high-efficiency tungsten halogen lamps. HIR lamps utilize shaped filament tubes coated with numerous layers of materials that transmit light but reflect the heat (infrared) back into the filament. This reduces the power needed to keep the filament hot.

High-Efficiency (Energy Saving) Electromagnetic Ballast
Ballast with core & coils, designed to minimize ballast losses compared to the "standard" ballast.

High-Bay Lighting
Lighting designed for (typically) industrial locations with a ceiling height of 25 feet and above.

High Intensity Discharge (HID) Lamp
A general term for mercury, metal halide and high-pressure sodium lamps. HID lamps contain compact arc tubes which enclose various gases and metal salts operating at relatively high pressures and temperatures.

High Output/Very High Output (HO, VHO) Lamps
Designation for lamps generating more light than standard lamps.

High Power Factor
A ballast or lamp with integral electronics whose power factor is corrected to 90% or greater.

High-Pressure Sodium (HPS) Lamp
HPS lamps are high intensity discharge light sources that produce light by an electrical discharge through sodium vapor operating at relatively high pressures and temperatures. GE markets these lamps under the trade name of Lucalox™.

Hot Restart Time
Time it takes for a High Intensity Discharge lamp to reach 90% of light output after going from on to off to on.

I

I-Line
A GE designation for a family of metal halide lamps which will operate on a mercury ballast. Designed as a simple retrofit for mercury lamp.

Ignitor
An electronic device providing a high voltage pulse to initiate an electrical discharge. Typically, the ignitor is paired with or is a part of the ballast (See STARTER).

Illuminance
The "density" of light (lumens/area) incident on a surface; i.e. the light level on a surface. Illuminance is measured in footcandles or lux.

Illuminance Meter
A device that measures the illuminance at a location calibrated either in footcandles or in lux. (Also know as a light meter - See COSINE CORRECTED).

Incandescent Lamp
A light source that generates light utilizing a thin filament wire (usually of tungsten) heated to white heat by an electric current passing through it.

Indirect Lighting
The method of lighting a space by directing the light from luminaires upwards towards the ceiling. The light scattered off the ceiling produces a soft, diffuse illumination for the entire area.

Induction Lighting
Gases can be excited directly by radio-frequency or microwaves from a coil that creates induced electromagnetic fields. This is called induction lighting and it differs from a conventional discharge, which uses electrodes to carry current into the arc. Induction lamps have no electrodes inside the chamber and generally, therefore, have longer life than standard lamps.

Infrared Radiation
Electromagnetic energy radiated in the wavelength range of about 770 to 1,000,000 nanometers. Energy in this range cannot be seen by the human eye, but can be sensed as heat by the skin.

Input Voltage
Power supply voltage required for proper operation of fluorescent or HID ballast.

Input Watts
The total power input to the ballast that includes lamp watts and ballast losses. The total power input to the fixture is the input watts to the ballast or ballasts and is the value to be used when calculating cost of energy and air conditioning loads. More than 90% of the input watts is wattage or power delivered to the lamp load with typical ballast.

Instant Start
A type of ballast designed to start fluorescent lamps as soon as the power is applied. Most T8 fluorescent lamps are being operated on electronic instant-start ballasts.
Slimline fluorescent lamps operate only on instant-start circuits.

Instant-Start Lamp
A fluorescent lamp, usually with a single pin at each end, approved to operate on instant-start ballasts. The lamp is ignited by a high voltage without any filament heating.

Integral
A popular term for a lamp which includes a built-in ballast (CFL or HID), driver (LED) or transformer (halogen).

Intensity Bin
LEDs are often sorted according to their luminous intensity values into different groupings or "bins".

Inverse Square Law
Formula stating that if you double the distance from the light source, the light level goes down by a factor of 4, if you triple the distance, it goes down by a factor of 9, and so on.

Isocandela Plot
A plot with lines connecting points of equal luminous intensity around a source.

Isolux Plot (or Isofootcandle Plot)
A line plotted to show points of equal illuminance (lux or footcandles) on a surface illuminated by a source or sources.

K

Kelvin
A unit of temperature starting from absolute zero, parallel to the Celsius (or Centigrade) scale. 0C is 273K.

Kilowatt [kW]
The measure of electrical power equal to 1000 watts.

Kilowatt Hour [kWh]
The standard measure of electrical energy and the typical billing unit used by electrical utilities for electricity use. A 100-watt lamp operated for 10 hours consumes 1000 watt-hours (100 x 10) or one kilowatt-hour. If the utility charges $.10/kWh, then the electricity cost for the 10 hours of operation would be 10 cents (1 x $.10)

L

Laminations
Layers of steel, making up the "core" that is surrounded by the coils in a core & coil ballast.

Glossary

Lamp
The term used to refer to the complete light source package, including the inner parts as well as the outer bulb or tube. "Lamp", of course, is also commonly used to refer to a type of small light fixture such as a table lamp.

Lamp Current Crest Factor
Ratio of peak lamp current to RMS or average lamp operating current.

Lamp Height
Referenced by IEC as Dimension C. Also referred to as "Base Face to Top of Lamp".

Lamp Types
Filament lamps: Incandescent, Halogen, Halogen-IR.
Discharge Lamps: Fluorescent, HID (High Intensity Discharge)
HID Lamps: Mercury, HPS (High Pressure Sodium), MH (Metal Halide) and CMH (Ceramic Metal Halide)
LED Lamps

Lamp Width
Referenced by IEC as Dimension A.

Leadframe
A metallic frame used for mounting and connecting LED chips. The leadframe functions as the electrical leads of the device.

Lens
A transparent or semi-transparent element which controls the distribution of light by redirecting individual rays. Luminaires often have lenses in addition to reflectors.

Life
(See RATED LAMP LIFE).

Light
Radiant energy that can be sensed or seen by the human eye. Visible light is measured in lumens.

Light Center Length (L.C.L.)
The distance between the center of the filament, or arc tube, and a reference plane - usually the bottom of the lamp base. Refer to the following chart for reference plane locations.

Base type	L.C.L Reference Plane Location
All screw bases (except Mini-Can)	Bottom of base contact
Mini-Can	Where diameter of ceramic base insulator is .531 inches
3-Contact Medium	Bottom of base contact
Mogul Medium Prefocus	Top of base fins
Mogul Prefocus	Top of base fins
Medium BiPost	Base end of bulb (Glass lamps) Bottom of ceramic base (Quartz lamps)
Mogul BiPost	Shoulder of posts (Glass lamps) Bottom of ceramic base (Quartz lamps)
2-Pin Prefocus	Bottom of ceramic base
S.C. or D.C. Bayonet Candelabra	Top of base pins
Medium Bayonet	Top of base pins
S.C. or D.C. Prefocus	Plane of locating bases on prefocus collar
Medium 2-Pin	Bottom of metal base shell

Light Emitting Diode (LED)
A solid that directly converts electrical impulses into light. Most white light LEDs incorporate phosphors to change the colour characteristics of the emitted light.

Lighting Industry Federation (LIF) Code
For Stage & Studio lamps, these are assigned by the Lighting Federation of London U.K. They ensure electrical and mechanical interchangeability of similarly coded lamps. LIF codes are divided into groups according to the primary application of the lamps.

Light Loss Factor
The product of all factors that contribute to lowering the illumination level including reflector degradation, dirt, lamp depreciation over time, voltage fluctuations, etc.

Light Meter
(See ILLUMINANCE METER)

Light Pollution
Light that is directed to areas where it is not needed, and thereby interferes with some visual act. Light pollution directed or reflected into the sky creates a "dome" of wasted light and makes it difficult to see stars above cities.

Light Trespass (Spill Light)
Light that is not aimed properly or shielded effectively can spill out at into areas that don't want it: it can be directed towards drivers, pedestrians or neighbors. It is distracting and annoying and can sometimes be disabling.

Lucalox™
The GE brand name for high-pressure sodium lamps.

Lumens
A measure of the luminous flux or quantity of light emitted by a source. For example, a dinner candle provides about 12 lumens. A 60-watt Soft White incandescent lamp provides about 840 lumens.

Lumen Depreciation, Lumen Maintenance
A measure of how well a lamp maintains its light output over time. It may be expressed numerically or as a graph of light output vs. time. The "mean lumens" of a lamp is the lumens at 40% of rated life (50% for HPS lamp).

Lumens Per Watt (LPW)
A ratio expressing the luminous efficacy of a lightsource.

Typical lamp efficacies:	
Edison's first lamp	1.4 LPW
Incandescent lamps	10-20
Halogen lamps	15-30
Fluorescent lamps	35-105
Mercury lamps	50-60
Metal halide lamps	60-120
High-pressure sodium lamps	60-140

Note: The values above for discharge lamps do not include the effect of the ballasts, which must be used with those lamps. Taking ballast losses into account reduces "system" or lamp ballast efficacies typically by 10-20% depending upon the type of ballast used.

Luminaire
A complete lighting unit consisting of a lamp (or lamps), ballast (or ballasts) as required together with the parts designed to distribute the light, position and protect the lamps and connect them to the power supply. A luminaire is often referred to as a fixture.

Luminaire Efficiency
The ratio of total lumens emitted by a luminaire to those emitted by the lamp or lamps used in that luminaire. Also commonly referred to as 'Light Output Ratio' or LOR.

Luminance
A measure of "surface brightness" when an observer is looking in the direction of the surface. It is measured in candelas per square meter (or per square foot) and was formerly referred to as "photometric brightness."

Luminous Efficacy
The light output (lumens) of a light source divided by the total power input (watts) to that source. It is expressed in lumens per watt (see LUMENS PER WATT).

Luminous Intensity
A measure of the visibility of a light source generally expressed in candelas. It is defined as luminous flux per unit solid angle (steradian) in a given direction.

Lux (lx)
A unit of illuminance or light falling onto a surface. One lux is equal to one lumen per square meter. Ten lux approximately equals one footcandle. (See FOOTCANDLE)

M

Magnetic Ballast
A ballast used with discharge lamps that consists primarily of transformer-like copper or aluminum windings on a steel or iron core. Also called "Core & Coil" (see ELECTRONIC BALLASTS).

Maximum Overall Length (M.O.L.)
The end-to-end measurement of a lamp, expressed in inches or millimeters.

Mean Lumens
The average light output of a lamp over its rated life. Based on the shape of the lumen depreciation curve, for fluorescent and metal halide lamps, mean lumens are measured at 40% of rated lamp life. For mercury, high-pressure sodium and incandescent lamps , mean lumen ratings refer to lumens at 50% of rated lamp life (See LUMEN MAINTENANCE).

Medium Base
Usually refers to the screw base typically used in household incandescent lamps. There is also the medium bipin base commonly used in T12 and T8 fluorescent lamps.

Mercury Lamp
A high-intensity discharge light source operating at a relatively high pressure (about 1 atmosphere) and temperature in which most of the light is produced by radiation from excited mercury vapor. Phosphor coatings on some lamp types add additional light and improve colour rendering.

Metal Cases
Case design used in both magnetic and electronic ballasts. These ballasts are grounded once they are mounted to the fixture. They meet all safety codes, some of which do not allow plastic in open plenum areas.

Metal Halide Lamp
A high-intensity discharge light source in which the light is produced by the radiation from mercury, plus halides of metals such as sodium, scandium, indium and dysprosium. Some lamp types may also utilize phosphor coatings.

Mesopic
Typically referring to nighttime outdoor lighting conditions, the region between PHOTOPIC and SCOTOPIC vision (See SCOTOPIC).

Mogul Base
A screw base used on larger lamps, e.g. many HID lamps.

Monochromatic Light
Light with only one wavelength (i.e. colour) present.

Mortality Curve
Lamps have a rated or expected life but individual failures occur earlier and some lamps will last longer. The mortality curve depicts the expected percent surviving in a group of lamps at various points between zero hours and rated life or beyond. The curve starts with 100% at zero hours and goes to 50% surviving at the rated life (e.g. 3000 hours or 20,000 hours, etc.) However, the shape of the curve between these two end points can vary depending on the lamp type.

Mounting Height
Distance from the bottom of the fixture to either the floor or work plane, depending on usage.

Multi-Vapor™
A GE brand name for metal halide lamps.

N

Nanometer
A unit of wavelength equal to one billionth of a meter.

National Energy Standards for Fluorescent Ballasts
A federal law enacted in 1988 that sets energy standards for ballasts consistent throughout the United States.

National Electric Code (NEC)
A nationally accepted electrical installation code to reduce the risk of fire, developed by the National Fire Protection Association (US).

National Stock Number
The standardized part number used by the US Government for procurement.

Non-PCB Capacitor
Capacitor used in ballasts to help provide power factor correction. Contains no polychlorinated biphenyls and meets EPA requirements.

Normal Power Factor
Ballasts with power factor less than .90 and do not incorporate any means of Power Factor Correction.

O

Open Circuit Voltage (OCV)
Open Circuit Voltage measured across the socket the lamp screws into, with the ballast powered on. It is dangerous to stick a voltmeter into such a socket without precise knowledge of the ballast because exceedingly high voltages could be present.

Open Fixture Rated
Lamps that are approved for burning in open fixtures (as opposed to enclosed fixtures which have an acrylic lens or plate glass enclosure).

Operating Position or Burn Position
Mercury and High Pressure Sodium lamps may be operated in any burn position and will still maintain their rated performance specifications. Metal Halide and Low Pressure Sodium lamps, however, are optimized for performance in specific burn positions, or may be restricted to certain burn positions for safety reasons.

U = Universal burning position
HBU = Horizontal -15° to Base Up
HBD = Horizontal +15° to Base Down
HOR = Horizontal ±15°
H45 = Horizontal to -45° only
VBU = Vertical Base Up ±15°
VBD = Vertical Base Down ±15°

If no special burn position is noted, the burn position is universal.

Operating Voltage
For electrical discharge lamps, this is the voltage measured across the discharge when the lamp is operating. It is governed by the contents of the chamber and is somewhat independent of the ballast and other external factors.

P

PAR Lamp

PAR is an acronym for parabolic aluminized reflector. A PAR lamp, which may utilize either an incandescent filament, a halogen filament tube or a HID arc tube, is a precision pressed-glass reflector lamp. PAR lamps rely on both the internal reflector and prisms in the lens for control of the light beam.

Parallel Lamp Operation/Parallel Wiring

Refers to ballasts that employ multiple output current paths from a single ballast to allow lamps to operate independent of one another, allowing other lamps operated by the ballast to remain lit should companion lamp(s) fail (see SERIES LAMP OPERATION).

PCB (Polychlorinated Biphenyls)

Chemical pollutant formerly used in ballast capacitors that were part of ballasts. It is now illegal to use PCBs and most such ballasts have been replaced over time.

Peak Wavelength

The maximum wavelength of an LED.

Phosphor

An inorganic chemical compound processed into a powder and deposited on the inner glass surface of fluorescent tubes and some mercury and metal-halide lamp bulbs. Phosphors are designed to absorb short wavelength ultraviolet radiation and to transform and emit it as visible light (See FLUORESCENCE). Phosphors are also used in LED devices to create white light when used in combination with LEDs of certain wavelengths.

Photometry

The measurement of light and related quantities.

Photopic

Vision for which the cones in the eye are responsible; typically at high brightness and in the foveal or central region (See SCOTOPIC , FOVEA, FOVEAL VISON).

Plug-In

(See CFL).

Potting

Material used to completely surround and cover components of some magnetic and electronic ballasts. Potting compound fulfills functions of protecting components, dampening sound, and dissipating heat.

Power Factor (PF)

A measure of the phase difference between voltage and current drawn by an electrical device, such as a ballast or motor. Power factors can range from 0 to 1.0, with 1.0 being ideal. Power factor is sometimes expressed as a percent. Incandescent lamps have power factors close to 1.0 because they are simple "resistive" loads. The power factor of a fluorescent and HID lamp system is determined by the ballast used. "High" power factor usually means a rating of 0.9 or greater. Power companies may penalize users for using low power factor devices.

Power Factor Corrected

Ballasts that incorporate a means of Power Factor Correction yielding power factor of 90% or greater.

Precise™

The GE trade name for the compact MR-16 and MR-11 low-voltage halogen dichroic cool beam reflectorized spot and flood lamps.

Preheat Circuit

A type of fluorescent lamp-ballast circuit used with the first commercial fluorescent lamp products. A push button or automatic switch is used to preheat the lamp cathodes to a glow state. Starting the lamp can then be accomplished using simple "choke" or reactor ballasts.

Product Code

It is important to use this five-digit code when ordering to ensure that you receive the exact product you require.

Programmed Rapid Start

Lamp starting method which preheats the lamp filaments while not allowing the lamp to ignite and then applies the open circuit voltage (OCV) to start the lamp. The user may experience a half- to one-second delay after turning on the lamps while the preheating takes place. This type of starting circuit keeps lamp end blackening to a minimum and improves lamp life performance, especially in applications where the lamps are frequently switched on and off.

Pulse Start

An HID ballast with a high voltage ignitor to start the lamp.

Q

Quad

Generally refers to a compact fluorescent lamp containing 4 U-shaped tubes.

Quartz

A name for fused silica or melted sand from which many high-temperature containers are fashioned in the lighting industry. Quartz looks like glass but can withstand the high temperatures needed to contain high intensity arc discharges.

Quartz-Halogen Lamp

(See HALOGEN LAMPS).

Quartzline®

A GE registered trademark term for some types of halogen lamps.

R

Radiation

A general term for the release of energy in a "wave" or "ray" form. All light is radiant energy or radiation, as is heat, UV, microwaves, radio waves, etc.

Rapid Start

Lamp starting method in which lamp filaments are heated while open circuit voltage (OCV) is applied to facilitate lamp ignition. A Rapid Start fluorescent lamp has two pins at each end connected to the filament. Some rapid start lamps may be instant-started without filament heat, for example, the F32T8 lamp.

Rapid Start Circuit

A fluorescent lamp-ballast circuit that utilizes continuous cathode heating, while the system is energized, to start and maintain lamp light output at efficient levels. Rapid start ballasts may be either electromagnetic, electronic or of hybrid designs. Full-range fluorescent lamp dimming is only possible with rapid start systems (See INSTANT START).

Rated Lamp Life

For most lamp types, rated lamp life is the length of time of a statistically large sample between first use and the point when 50% of the lamps have died. It is possible to define "useful life" of a lamp based on practical considerations involving lumen depreciation and colour shift and also on the need to reduce lamp replacement costs (See GROUP RELAMPING).

For GE LED products, rated life is quoted (unless where indicated otherwise), as the 'L70' value. This refers to the time taken to reach 70% of initial lumen output. This is the emerging industry standard for LED products.

Reflectance
The ratio of light reflected from a surface to that incident upon it.

Reflector Lamp (R)
A light source with a built-in reflecting surface. Sometimes, the term is used to refer specifically to blown bulbs like the R and ER lamps; at other times, it includes all reflectorized lamps like PAR and MR. Most LED lamps are also replacements for reflector lamps, even if they do not physically have a reflector as part of their construction.

Reverse Voltage (VR)
Voltage across the diode for a given reverse current.

RoHS (Restriction of Hazardous Substances)
The Restriction of Hazardous Substances (RoHS) Directive aims to minimise the environmental impact of waste electrical and electronic equipment by reducing the quantities of four heavy metals and two brominated flame retardants that it may contain.

Room Cavity Ratio (RCR)
A shape factor (for a room, etc.) used in lighting calculations.

RCR = 5H (L+W) / L x W, or, alternately,

RCR = (2.5) Total Wall Area / Floor Area.

Where H = height, L = length and W = width of the room. A cubical room will have an RCR of 10; the flatter the room the lower the RCR.

S

State and County Code (SCC)
The full 14 digit case code used on GE's content label.

Scotopic
Vision where the rods of the retina are exclusively responsible for seeing, typically like the light levels in the countryside on a moonless, starlit night (See also PHOTOPIC , FOVEA, FOVEAL VISION MESOPIC).

Scotopic/Photopic (S/P) Ratio
This measurement accounts for the fact that of the two light sensors in the retina, rods are more sensitive to blue light (scotopic vision) and cones to yellow light (photopic vision). The scotopic/photopic (S/P) ratio is an attempt to capture the relative strengths of these two responses. S/P is calculated as the ration of scotopic lumens to photopic lumens for the light source on an ANSI reference ballast. Cooler sources (higher colour temperatures lamps) tend to have higher values of the S/P ratio compared to warm sources.

Screw-In
(See CFL).

Seal Temperature (Maximum)
The maximum operating temperature of the seal of the lamp in Celsius.

Self-Ballasted Lamps
A lamp with an integral ballasting device allowing the lamp to be directly connected to a socket providing line voltage (See CFL).

Series Lamp Operation
Refers to ballasts that employ a single current path passing through all lamps operated by the ballast. If one lamp should fail, companion lamps operated by the same ballasts will also extinguish or dim.

Source Size
For Projection lamps, this is defined as the dimensions of the rectangular area, centered on the lamp axis, within which all luminous parts of the filament lie, when viewed perpendicular to the axis of the filament coil or to the plane of C-13 and C-13D filaments.

Spacing to Mounting Height Ratio
Ratio of fixture spacing (distance apart) to mounting height above the work plane; sometimes called spacing criterion. It is OK to have fixture spaced closer than the spacing criterion suggested by the manufacturer but not farther, or you will get dark spots in-between fixtures.

Specification Series (SP) Colours
Energy-efficient, all-purpose, tri- phosphor fluorescent lamp colours that provide good colour rendering. The CRI for SP colours is 70 or above and varies by specific lamp type.

Specification Series Deluxe (SPX) Colours
Energy-efficient, all-purpose, tri- phosphor fluorescent lamp colours that provide better colour rendering than Specification Series (SP) colours. The CRI for SPX colours is 80 or above and varies by specific lamp type. All GE CFL products use SPX phosphors.

Specification Series Deluxe eXtreme (SPXX) Colours
A colour designation for GE ceramic metal halide lamps with superior colour rendering ~ 90.

Spectral Power Distribution (SPD)
A graph of the radiant power emitted by a light source as a function of wavelength. SPDs provide a visual profile or "finger print" of the colour characteristics of the source throughout the visible part of the spectrum.

Spectrum
See SPECTRAL POWER DISTRIBUTION (SPD) .

Specular Reflection
Reflection from a smooth, shiny surface, as opposed to diffuse reflection.

Spiral™ Lamp
GE trademark for its helical family of high efficiency, long-life compact fluorescent lamps.

Spot
A colloquial term referring to a reflector lamp with a tight beam of light, typically around 10 degrees or less. It comes from the fact that such a lamp produces a narrow spot of light as opposed to a wide flood of light.

SPXX
A Colour Designation for GE Ceramic Metal Halide Lamps with superior Colour Rendering ~ 90.

Starcoat™
GE's special barrier coating applied on the inside of all GE T8 fluorescent lamps, as well as some other lamp types, to enhance lamp life and deliver superior lumen maintenance.

Starter
An electronic module or device used to assist in starting a discharge lamp, typically by providing a high-voltage surge (See IGNITOR).

Starting Temperature (Minimum)
The minimum ambient temperature at which the lamp will start reliably.

Sunburn
Skin reddening and inflammation caused by overexposure to sources containing UV-B and/or UV-C.

System
A term referring to the lamp and ballast combination, and sometimes to the entire lighting delivery system including the fixture, the optics, the thermal management system, the particular layout and the lighting controls.

T

T12, T8, T5

A designation for the diameter of a tubular bulb in eighths of an inch; T12 is 12 eighths of an inch, or 1-1/2 inches; T8 is 1 inch, and so on.

Task Lighting

Supplemental lighting provided to assist in performing a localized task, e.g. a table lamp for reading or an inspection lamp for fabric inspection.

Terminal-to-Terminal Starting Lamp Voltage (VRMS) (Minimum or Maximum)

The minimum or maximum voltage allowed into lamp from ballast under varying conditions as specified.

Total Harmonic Distortion (THD)

A measure of the distortion caused by ballasts and other inductive loads of the input current on alternating current (AC) power systems caused by higher order harmonics of the fundamental frequency (60Hz in North America). THD is expressed in percent and may refer to individual electrical loads (such as ballast) or a total electrical circuit or system in a building. ANSI C82.77 recommends THD not exceed 32% for individual commercial electronic ballasts, although some electrical utilities may require lower THDs on some systems. Excessive THDs on electrical systems can cause efficiency losses as well as overheating and deterioration of system components.

Transients

High voltage surges through an electrical system caused by lightning strikes to nearby transformers, overhead lines or the ground. May also be caused by switching of motors or compressors, as well as by short circuits or utility system switching. Can lead to premature ballast failure (see TVSS).

Troffer

A long, recessed lighting unit, usually installed in an opening in the ceiling.

Tungsten-Halogen Lamp

(See HALOGEN LAMP).

TVSS

Transient Voltage Surge Suppressors, which will protect ballasts and other electronic equipment from transient high-voltage spikes that may be present in the power line.

Two-Pin Compact Fluorescent Lamps

Type of lamps that have the glow bottle starter built into the base of the lamp. Traditionally 2-pin lamps are designed to work with electromagnetic ballasts (see FOUR-PIN COMPACT FLUORESCENT LAMPS).

U

Uniform Code Council (UCC)

The 12 digit case code derived from the last 12 digits of the 14 digit SCC code on GE's case content label.

Uniform Product Code (UPC)

The 12 digit code on the saleable unit that is used for scanning at the register.

Ultra

A common way of referring to high-efficiency.

Ultraviolet (UV) Radiation

For practical purposes, any radiant energy within the range of 100–380 nanometers. It is beyond the blue or violet region of the spectrum, and is invisible to the eye just like the silent "ultrasound" dog whistle is inaudible to the ear.

UV is divided into 3 regions:

UVA	100 to 280 nm
UVB	280 to 315 nm
UVC	315 to 400 nm

Some wavelengths (180–220) produce ozone, some (220–300) are bactericidal, some (280–320) erythemal (redden human skin); others (320–400) cause secondary luminance (black light).

V

Valance Lighting

Lighting from light sources on a wall typically above eye level, shielded by horizontal panels. The light may be upward or downward directed.

Veiling Reflection

Effective reduction in contrast between task and its background caused by the reflection of light rays; sometimes called "reflected glare". You might have dealt with veiling reflections when you have to tilt a shiny magazine to avoid glare so as to read it, or struggled with reading a computer monitor because of the reflection of a window or a light fixture (See GLARE).

Vio™

GE's unique LED platform that provides best in class quality and stability of light from LED's, due to its unique use of violet chips combined with proprietary phosphors.

Visual Comfort Probability (VCP)

For a given lighting scheme, VCP is a ratio expressed as a percent of people who, when viewing from a specific location and in a specified direction, find the system acceptable in terms of glare (See GLARE).

Visual Task

The task associated with seeing; objects and details that must be seen to perform an activity.

Volt

A measure of "electrical pressure" between two points. The higher the voltage, the more current will be pushed through a resistor connected across the points. The volt specification of an incandescent lamp is the electrical "pressure" required to drive it at its designed point. The "voltage" of a ballast (e.g. 277 V) refers to the line voltage it must be connected to.

Voltage

A measurement of the electromotive force in an electrical circuit or device expressed in volts. Voltage can be thought of as being analogous to the pressure in a waterline.

Voltage (Design)

For Automotive lamps, voltage at which the lamp is designed to provide the amperes, candlepower, and laboratory life characteristics. For Projection lamps, the voltage shown is the design voltage of the lamp, on which the life and wattage ratings are based. Lamps for which 115-120 is shown in the Volts column are designed at 118 volts. Lamps are available only in the design voltage(s) shown. When ordering lamps listed for more than one voltage, be sure to specify the voltage required. (Supply voltage variation can significantly affect lamp life.)

Voltage Surge

Transient spikes in line voltage that can be harmful to electronic equipment like computers and electronic ballasts. Surge suppressors are often used to protect against such transients.

W

Wall Temperature (Maximum Bulb)

The maximum operating bulb wall temperature in Celsius.

Warm-Up Time

HID lamps typically take a few minutes to warm up to full brightness after starting.

Warm Up Time to 90%

The time it takes for a High Intensity Discharge lamp to reach 90% of light output after being turned on.

Warm White

Refers to a colour temperature around 3000K, providing a yellowish-white light.

Watt

A unit of electrical power. Lamps are rated in watts to indicate the rate at which they consume energy (See KILOWATT HOUR).

Wattage Indicator Reduced

Indicates that this is a reduced wattage option for lamps normally used in this application. Be sure to check wattage, lumens and life to determine which lamp is best suited to your needs.

Watt-Miser™

A Watt-Miser™ lamp is a term used by GE to indicate a reduced-wattage lamp with performance characteristics (life, light output, etc.) such that it can usually directly replace a higher-wattage product. Watt-Miser™ lamps are available in a wide range of incandescent and fluorescent lamp types.

Wavelength

The distance between two neighboring crests of a traveling wave. The wavelength of light is between 400 and 700 nanometers.

WEEE (Waste Electrical and Electronic Equipment)

The Waste Electrical and Electronic Equipment Directive (WEEE Directive) aims to minimise the impact of electrical and electronic goods on the environment, by increasing re-use and recycling and reducing the amount of WEEE going to landfill. It seeks to achieve this by making producers responsible for financing the collection, treatment, and recovery of waste electrical equipment, and by obliging distributors to allow consumers to return their waste equipment free of charge.

Work Plane

Plane at which work is done and at which illumination is specified and measured; unless otherwise indicated, it is assumed to be a horizontal plane 30 inches above the floor (table-top height) having the same area as the floor.

Working Distance (Typical)

The Working Distance shown is the distance from the front surface of the reflector rim to the film plane, in the optical system for which the lamp was first designed. In most cases, it provides a uniform plane of light for the intended aperture.

Sales offices

AFRICA

NORTH & CENTRAL AFRICA
GE Hungary
Váci út 77
1044 Budapest
Hungary
Tel: (36) 1 231 5280
Fax: (36) 1 231 5121

SOUTH AFRICA
GE South Africa - Consumer and Industrial
Unit 4, 130 Gazelle Avenue,
Corporate Park
Midrand 1685
South Africa
Tel: (27) 11 237 0000
Fax: (27) 11 314 7518

AMERICAS

ARGENTINA, URUGUAY & PARAGUAY
GE Iluminacion S.A.
Valentín Virasoro 2656
(B1643HDB) Beccar, Buenos Aires
Edificio Uruguay III, 2° Piso
Argentina
Tel: (54) 11 5556 3300
Fax: (54) 11 4736 6616

BRAZIL
GE Iluminação do Brasil Comércio de Lâmpadas Ltda
Av Maria Coelho Aguiar, 215
Bloco G – Piso Jardim
Jd São Luiz - São Paulo/SP
05804-900 Brazil
Tel: (55) 11 3614-1833
Fax: (55) 11 3614-1825
SAC : 0800-333-4448

CANADA
GE Lighting Canada
2300 Meadowvale Bldv C63
Mississauga, Ontario L5N 5P9
Tel: 905-858-6601
Fax: 905-858-6602

CARIBBEAN & CENTRAL AMERICA
General Electric Company
790 N.W. 107 Avenue, Suite 204
Miami, Florida 33172
USA
Tel: (1) 305 551 5114
Fax: (1)305 551 5116

CHILE & BOLIVIA
General Electric de Chile S.A.
Av Isidora Goyenechea 2800. Las Condes
Edificio Titanium, Piso 21
Zip Code: 75500647
Santiago
Chile
Tel: (56) 2 652 6500
Fax: (56) 2 652

COLOMBIA
General Electric International Inc.
Calle 113 N°7 - 80 Oficina 1001
Torre AR
Bogotá
Colombia
Tel: (57) 1 742 5660
Fax: (57) 1 742 5569

JAPAN
GE Consumer Products Japan, Ltd.
12F Akasaka Park Bldg., 5-2-20
Akasaka, Minatoku,
Tokyo 107-6112
Japan
Tel: (81) 3 5544 6700
Fax: (81) 3 5544 6760

MEXICO
GE Lighting Mexico, SA de CV
Av. Churubusco No 3900 Norte
Apartado Postal 216
64510 Monterrey, N.L. Mexico
Mexico
Tel: (52) 8 318 5600
Fax: (52) 8 318 5693

PERU & ECUADOR
GE Lighting Peru SA
Amador Merino Reina 267 Of.902
San Isidro
Lima
Peru
Tel: (511) 610-4347
Fax: (511) 610-4330

UNITED STATES OF AMERICA
GE Lighting
Nela Park, 1975 Noble Road
Cleveland, Ohio 44112
USA
Tel: (1) 216 266 2121
Fax: (1) 216 266 2780

VENEZUELA
Av. Guaicaipuro con Ppal de las Mercedes
Torre Forum Piso 15 Municipio Chacao-El Rosal
CARACAS
Venezuela
Tel: (58) 212 902 5131
Fax: (58) 212 902 5158

ASIA PACIFIC

AUSTRALIA
GE Lighting Australia Ltd.
125-127 Long Street
Smithfield, NSW 2164
Australia
Tel: (61) 2 8788 6911
Fax: (61) 2 8788 7224

CHINA
GE Consumer & Industrial
Shanghai Office
(GE Enterprise Development Co., Ltd)
(GE Lighting Co., Ltd)
22F~24F, Building C, Hi-Tech Building, 900 Yishan Road,
PC: 200233
Shanghai
P.R. China
Tel: (86) 21 24013333
Fax: (86) 21 64857177

HONG KONG
GE International Operations Co.Inc.
8th Floor, The Lee Gardens
33 Hysan Avenue
Causeway Bay
Hong Kong
Tel: (852) 2100 6900
Fax: (852) 2376 0013

INDIA, SRI LANKA
GE India Industrial Pvt Ltd.
42/1, Electronic City Phase 2
Bangalore – 560100
Karnataka
India
Tel: (91) 80 41113000
Fax: (91) 80 28528366

INDONESIA
PT.GE Lighting Indonesia
Gedung BRI II,27 th Floor
Jl.Jenderal Sudirman Kav.
44-46,Jakarta 10210
Indonesia
Tel: (62) 21 574 5240
Fax: (62) 21 574 5241

KAZAKHSTAN
GE International Inc. Branch in Kazakhstan
Prime Business Center
Ul. Furmanova, 100G, Office 302
480091, Almaty
Kazakhstan
Tel: (7) 3272 588 010
Fax: (7) 3272 588 011

KOREA
GE Lighting Korea
9th Floor, POBA Gangnam Tower, 343,
Hakdong-ro (Nonhyundong 119)
Kangnam-Gu, Seoul,
135-820,Korea
Tel: (82) 2 6201 4300
Fax: (82) 2-6201-4343, 4344

NEW ZEALAND
GE Lighting New Zealand
8 Tangihua St
Auckland 1010
New Zealand
Tel: (64) 9 353 6706
Fax: (64) 9 353 6707

PHILIPPINES
GE Lighting Philippines
1873 P. Domingo Street
1207 Makati City, Metro Manila
POB 2087 MCC
Philippines
Tel: (63) 2 895 7051
Fax: (63) 2 890 8186

SINGAPORE & BRUNEI
GE Pacific Pte. Ltd.
240 Tanjong Pagar Road
#06-00 GE Tower
Singapore 088540
Singapore
Tel: (65) 6326 3319
Fax: (65) 6326 3015

THAILAND, CAMBODIA & LAOS
GE Lighting (Thailand) Ltd.
1126/2 Vanit Building II, 16th Floor,
Room No. 1603, New Petchburi Road, Makkasan, Rajchthewi,
Bangkok 10400
Thailand
Tel: (66) 2 255 8721-31
Fax: (66) 2 255 8733

TAIWAN
GE Lighting Taiwan
7FL, No 8, Sec 3, Min Sheng E. Rd,
Taipei, 104,
Taiwan
Tel: (886) 2 21837000
Fax: (886) 2 25167356

TURKEY
General Elektrik Turk Ltd.
Maslak Mah. Dereboyu Cad.
Bilim Sok. Sun Plaza No:5/6
34398 Sisli İstanbul
Turkey
Tel: (90) 212 366 28 00
Fax: (90) 212 366 28 40

VIETNAM
GE Consumer & Industrial
7fl, Saigon Centre, 65 Le Loi blv, Dist.1,
Hochiminh City,
Vietnam
Tel: (84) 4 8251016
Fax: (84) 4 8250551

EUROPE

ALBANIA & MACEDONIA
VSD Merkur d.o.o
ul.Vasil Glavinov 7b/3
1000 Skopje
Macedonia
Tel: + 389 2 3244 790
Fax: + 389 2 3244 797

Austria, Germany & Switzerland
GE Germany
Thomas-Edison-Platz 1
63263 Neu-Isenburg
Germany
Tel: +49 (0)6102 36-1383
Fax: +49 (0)6102 36-1393

BULGARIA
VSD Merkur
Sales Representative of
GE Hungary Kft.
Office 31, entr. 4
2 Nikolai Haitov str.
1113 Sofia, Bulgaria
T +359 2 8705586
F +359 2 9733325

BOSNIA AND HERZEGOVINA, CROATIA & SLOVENIA
Media Light d.o.o.
Exclusive agent of GE Hungary Kft.
Lighting and Power Protection
Cesta na Brdo 109
1000 Ljubljana
Slovenia
Tel: (386) 1 530 4366
Fax: (386) 1 530 4361

CYPRUS, GREECE & MALTA
General Electric Medical Systems SA
156 Kyprou Av. & 91
Konstantinoupoleos Str.
164 51 Argyroupolis, Athens
Greece
Tel: (30) 210 9690 669
Fax: (30) 210 9625 931

CZECH REPUBLIC & SLOVAKIA
GE Hungary Kft.
1044 Budapest
Váci út 77.
Tel.: (36) 1 399 1100
Fax: (36) 1 399 1672

DENMARK
GE Lighting A/S
Park Alle 295
DK-2605 Bröndby
Denmark
Tel: (45) 8040 4945
Fax: (45) 8040 4947

FINLAND
GE Consumer & Industrial Oy
Kuortaneenkatu 2
00510 Helsinki
Finland
Tel: (358) 103942507
Fax: (358) 103942515

FRANCE & BENELUX
GE Lighting SARL
ZAC Paris Nord II
13, rue de la Perdrix
B.P. 50073
95947 Roissy CDG Cedex
France
Tel: (33) 1 48 63 68 00
Fax: (33) 1 48 63 68 08

HUNGARY
GE Hungary Kft.
1044 Budapest
Váci út 77.
Tel: (36) 1 399 1100
Fax: (36) 1 399 1672

IRELAND
GE Lighting Ltd.
280 Holly Road
Western Industrial Estate
Naas Road
Dublin 12
Ireland
Tel: (353) 1 456 5591
Fax: (353) 1 450 4142

ITALY
GE Lighting Srl
Centro Dir. Colleoni
Palazzo Andromeda B1 – 3° P
via Paracelso 16
20864 – Agrate Brianza (MB)
N. Verde Nord 800977820
N. Verde Centro - Sud 800977821
Tel: (39) 02 37027700
Fax: (39) 02 37027777

NORWAY
GE Lighting AS
Karenslyst Allé 2,
Postboks 589
0214 Oslo
Norway
Tel: (47) 80011321
Fax: (47) 80011048

POLAND, ESTONIA, LITHUANIA & LATVIA
Ul. Odrowąża 15
03-310 Warszawa
Phone for Poland:
(48) 601 999 071
Phone for Baltics
(48) 601 999 836

PORTUGAL & SPAIN
GE Lighting Appliances España, s.a.
Av Galileo Galilei 11
Parque Empresarial La Carpetania
28906 getafe,Madrid
Spain
Tel: (800) 836 010
Fax: (800) 836 007

ROMANIA & MOLDOVA
SC VSD Merkur Lighting Group SRL
Sales Representative of GE Hungary Kft.
0407280 Floresti, Jud. Cluj
Str. Gheorghe Doja, Bl. 13, Ap. 1
Romania
Tel.: (40) 726 279 722
Fax: (40) 727 599 235

RUSSIA
GE Rus LLC
10 Presnenskaya nab.
Moscow 123317, Russia
T 7 495 739 6811
F 7 495 739 6801

SERBIA & MONTENEGRO
VSD MERKUR dooel Exclusive Agent
of GE Hungary Kft.
Bul. Mihajla Pupina 10D/105
11070 Novi Beograd
Serbia
Tel: (381) 11 3119256
Fax: (381) 11 3119257

SWEDEN
GE Lighting & Industrial AB
Vendevägen 89,
182 82 Stockholm
Sweden
Tel: (46) 8 51 99 22 12
Fax: (46) 8 51 99 22 14

UKRAINE
General Electric Co.
Horizont Tower
42/44 Shovkovichna str., 8 Floor
Kiev 01004
Ukraine
Tel: (380) 44 490 69 83
Fax: (380) 44 490 69 82

UNITED KINGDOM
GE Lighting Ltd.
Houghton Centre
Northampton
NN4 7EX
United Kingdom
Tel: (44) 800 169 8290
Fax: (44) 800 169 8284

MIDDLE-EAST

BAHRAIN, IRAQ, JORDAN, KUWAIT, LEBANON, OMAN, PAKISTAN, QATAR, UAE, YEMEN
GE International Inc.
City Tower II, Sheikh Zayed Rd
P.O.Box 52905
Dubai
UAE
Tel: (971) 4 3310 444
Fax: (971) 4 3315 930

ISRAEL
GE Hungary
Váci út 77
1044 Budapest
Hungary
Tel: (36) 1 231 5280
Fax: (36) 1 231 5121

MALAYSIA
General Electric International Inc.
Level 6, 1 Sentral,
Jalan Travers,
Kuala Lumpur Sentral,
50470 Kuala Lumpur
Malaysia
Tel: (60) 3 2273 9788
Fax: (60) 3 2273 3473

SAUDI ARABIA
GE International Inc.CO
5th Floor, Tatweer Towers
King Fahad Road,
PO Box: 10211
Riyadh 11433
Saudi Arabia
Tel: (966 1) 207-3800
Fax: (966 1) 207-3900 & 207-3901

www.gelighting.com



and General Electric are both registered trademarks of the General Electric Company

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted by law.

GE
Lighting

Specialty Lighting Solutions



GE imagination at work

www.gelighting.com

Special applications

Range of lamp technologies	fluorescent and halogen
Multiple applications	UV, safety, Heat and Air
Extensive range	low watt to high watt
Variety of bases	for specific applications
Performance	consistent lamp performance
Output	high output for required application











Health and Safety

Insect control

Industrial heating

Airfield

GE's lighting expertise extends into many specialised areas of industry, including manufacturing, health and safety, space heating and airfield lighting.

Products for these applications include black light inspection lamps, UV germicidal lamps and halogen heaters.

GE Lighting is also a leading supplier to the entertainment industry, offering a range of lamp technologies for use in stage, studio, film and event lighting as well as architainment, projection and photography. There is separate information covering these.

Main application areas

HEALTH AND SAFETY

Bacterial destruction

- UVC 200-280 nm
- For water, air and surface sterilisation
- Destroys micro-organisms via absorption of UV light

Shatter protection

- Lamp encased in high quality plastic sleeve
- Used where avoidance of glass contamination is critical

INSECT CONTROL

- Special Phosphor – Black Light (BL)
- UVA 315-400nm
- Lamps to attract flies and insects
- Effect UV irradiance over life
- For use in fly traps
- Common use in food production areas

INDUSTRIAL HEATING

- Turning light to heat
- Directional instant radiant heat
- Heats objects and people not the air between
- Many industrial applications from paint drying to plastic bottle making

AIRFIELD

- Range of lamps for use on airfields
- Runway and taxiway lighting

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where Life or Average Life are stated we refer to the industry standard definition of how many hours of operation 50% of a given installation will exceed.

Additional parameters:

UV Output (Watts): The initial UV Output at 100 hours
Initial UVA Irradiance [mW/cm2 @ 20cm): UV Output at 1 m after 100 hours
Lumens: Initial amount of light output
CCT (K): Colour Temperature - Kelvins
A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value the whiter or "cooler" the light appears.
CRI (Ra): Colour Rendering Index
An indication of the ability of the lamp to render object colours in a normal, natural way. The higher the number (0-100), the better the colour appearance.

Watts:
Energy Used – Nominal Watts.
To estimate energy consumption (kWh), multiply watts x hours of use and multiply by 1000

Cap:
The type of cap fitted.

Product description:
The lamp's identification code

Peak Wavelength [nm]

Length:
Lamp length from base face to end of opposite pin in mm

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Peak Wavelength [nm]	Life [h]	Length [mm]		Pack Qty
Black Light T8							Min	Max	
15	55	G13	**F15T8/BL 368**	**98447**	368	7500	442.1	444.5	25

F15T8 / BL 368

(F) Identifies the lamp as Fluorescent

Volts:
Lamp data is based on operating voltage

(15T8) Identifies the lamp's wattage and diameter

(BL) Identifies product type

Product code:
It is important to use this code when ordering to ensure that you receive the exact product you require

Life:
Rated average life

Pack quantity:
Number of product units packed in a case

Selector

Health and Safety



UVC Germicidal T5/T8

Lamp volts:	29-155V
Watts:	4-65W
Cap:	T5: G5, Fa8 T8: G13
Life:	6000-9000h
Packing:	24



Germicidal T6 Biax

Lamp volts:	58-101V
Watts:	5-55W
Cap:	2G11
Life:	8000h
Packing:	10



covRguard™ Shatter protection

Watts:	18-58W
Cap:	G13
Life:	15,000h
CRI:	85

Insect control



Black Light T8

Lamp volts:	55V
Watts:	15W
Cap:	G13
Life:	7500h
Packing:	25



UVA Blacklight Biax™

Lamp volts:	60V
Watts:	9W
Cap:	GX23
Life:	167h
Packing:	10



UVA Blacklight Biax™ L

Lamp volts:	106V
Watts:	36W
Cap:	2G11
Life:	1280h
Packing:	10

Industrial heating



Quartz Heat

Lamp volts:	120-600V
Watts:	500-3800W
Cap:	Slv, R7s, CER
Life:	5000h
Packing:	6, 12

Airfield



Airfield

Lamp volts:	6.6A to 120V
Watts:	30-1000W
Cap:	Various
Life:	30-1000h
Packing:	Various

Health and Safety

UVC Germicidal T5

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	UV Output [Watts]	Peak Wavelength [nm]	Life [h]	Length [mm] Min.	Length [mm] Max.	Pack Qty
4	29	G5	**G4 T5**	**63599**	0.8	254	7000	140.6	143	24
6	40	G5	**G6 T5**	**63601**	1.6	254	9000	216.8	219.2	24
8	55	G5	**G8 T5**	**63602**	2.1	254	9000	293	295.4	24
11	37	G5	**G11 T5**	**63603**	2.2	254	9000	216.7	219.2	24
65	155	Fa8	**G64 T5**	**63606**	18	254	9000	1559	1563	24
16	54	G5	**G16 T5**	**63604**	4	254	9000	293	295.4	24

UVC Germicidal T6 Biax

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	UV Output [Watts]	Life [h]	Length [mm]	Pack Qty
18	58	2G11 4-pin	**GBX18/UVC/2G11**	**40704**	5.5	8000	232	10
36	106	2G11 4-pin	**GBX36/UVC/2G11**	**40705**	12	8000	422	10
55	101	2G11 4-pin	**GBX55/UVC/2G11**	**40706**	17	8000	542	10

UVC Germicidal T8

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	UV Output [Watts]	Life [h]	Length [mm] Min.	Length [mm] Max.	Pack Qty
15	49	G13	**G15 T8**	**63607**	4.8	9000	442	444.4	24
25	43	G13	**G25 T8**	**63608**	7.2	9000	442	444.4	24
30	98	G13	**G30 T8**	**63609**	11.3	9000	899.2	901.6	24
55	87	G13	**G55 T8 HO**	**63610**	19	9000	899.2	901.6	24

T8 covRguard™ Polylux XLR™

Wattage [W]	Cap	Product Description	Product Code	Light Output [lm]	CCT [K]	CRI [Ra]	Life [h]	Length [mm] Min.	Length [mm] Max.	Pack Qty
18	G13	**F18W/835CVG**	**17204**	1300	3400	80+	15,000	594.5	596.9	25
18	G13	**F18W/840CVG**	**17205**	1300	4000	80+	15,000	594.5	596.9	25
36	G13	**F36W/T8/835 CVG**	**17202**	3250	3400	80+	15,000	1204.1	1206.5	25
36	G13	**F36W/T8/840 CVG**	**17209**	3250	4000	80+	15,000	1204.1	1206.5	25
58	G13	**F58W/T8/835/GE/CVG**	**99590**	5050	3400	80+	15,000	1504.7	1507.7	25
58	G13	**F58W/T8/840/GE/CVG**	**99591**	5050	4000	80+	15,000	1504.7	1507.7	25



Germicidal T6 Biax

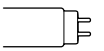


covRguard™

Insect control

Black Light T8

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Peak Wavelength [nm]	Life [h]	Length [mm] Min.	Length [mm] Max.	Pack Qty
15	55	G13	**F15T8/BL 368**	**98447**	368	7500	442.1	444.5	25



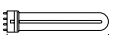
UVA Blacklight Biax™ - Internal Starter

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Initial UVA Irradiance [mW/cm2 @ 20cm]	Peak Wavelength [nm]	Life [h]	Length [mm]	Pack Qty
9	60	G23	**F9BX BL G23**	**42935**	440	368	440	167	10



UVA Blacklight Biax™ L - External Starter

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Initial UVA Irradiance [mW/cm2 @ 20cm]	Peak Wavelength [nm]	Life [h]	Length [mm]	Pack Qty
36	106	2G11	**F36BX BL 2G11**	**42940**	1280	368	1,280	421.8	10



Industrial heating

Quartz Heat

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	CCT [K]	Life [h]	Length [mm]	Pack Qty
500	120	Slv	**QH500T3/CL**	**21788**	2400	5000	223.8	12
500	120	R7S	**QH500T3/CL/7**	**21787**	2400	5000	220.5	12
1000	200-220	Slv	**QH1000T3/CL**	**22355**	2400	5000	351	12
1000	230-250	Slv	**QH1000T3/CL**	**22357**	2400	5000	351	12
1200	144	Slv	**QH1200T3/CL**	**22531**	2450	5000	223.8	12
1200	144	Slv	**QH1200T3/CL/HT**	**22532**	2450	5000	223.8	12
1600	230-250	R7S	**QH1600T3/CL/7**	**22691**	2400	5000	498.4	12
1600	230-250	Slv	**QH1600T3/CL**	**22688**	2400	5000	503	12
2000	230-250	Slv	**QH2M/T3/1CL/HT/VB**	**15551**	2450	5000	303	12
2000	220-250	Slv	**QH2MT3/CL/VB**	**18668**	2450	5000	350.5	12
2000	230-250	Slv	**QH2M/T3/CL/HT**	**22790**	2450	5000	350.8	12
2000	230-250	CER	**QH2MT3/CL/HT/R**	**12716**	2450	5000	352.5	12
2500	460-500	Slv	**QH2500T3/CL**	**22838**	2400	5000	731	12
2500	460-500	R7s	**QH2500T3/CL/7**	**22837**	2400	5000	727	12
3650	480	Slv	**QH3650/CL/5**	**10872**	2500	5000	1057	6
3800	550-600	Slv	**QH3800/CL**	**22875**	2500	5000	1062	6



UVA Biax L



Quartz Heat

Airfield

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Life [h]	Length [mm]	Pack Qty
Airfield Lighting								
30	6.6A	Gz9.5 2 Pin	**EXL**	**11478**	375	1000	44.5	24
45	6.6A	Gz9.5 2 Pin	**EXM**	**11482**	750	1000	44.5	24
45	6.6A	Mycalex cap & Prefocus collar	**AF6/2 6.6A 45W**	**88420**	760	600	54	100
65	6.6A	Special	**Q65T2 1/2/1/CL**	**32917**	1200	1000		200
100	6.6A	Mycalex cap & Prefocus collar	**AF 6/5T 6.6A 100W**	**88417**	2100	600	60	100
100	6.6A	PK30d	**Q6.6A100PK30d male**	**80584**	2700	1000	13.5	10
100	6.6A	PK30d	**Q6.6A100PK30d female**	**80588**	2700	1000	13.5	10
150	6.6A	PK30d	**Q6.6A150PK30d male**	**80585**	3600	1000	13.5	10
150	6.6A	PK30d	**Q6.6A150PK30d female**	**80589**	3600	1000	13.5	10
200	6.6A	PK30d	**Q6.6A200PK30d male**	**80586**	4800	1000	13.5	10
200	6.6A	PK30d	**Q6.6A200PK30d female**	**80590**	4800	1000	13.5	10
200	6.6A	Special 1" Ribbon Leads	**Q6.6A/T4/5CL**	**23857**	5000	500	76	12
200	6.6A	D.C.Bay	**Q6.6AT4/DCR**	**23860**	5150	500	64	12
200	6.6A	Scrw Term	**Q6.6A/PAR56/3**	**33279**	NA	1000	114	12
200	6.6A	Mycalex cap & Prefocus collar	**AF7/2 6.6A 200W**	**88413**	4800	600	54	100
300	20A	Mog End Pr GX16d	**Q20A/PAR56/C**	**15482**	NA	500	127	12
499	20A	Scrw Term	**Q20A/PAR56/3**	**23863**	NA	500	114	12
1000	120	G38 Mog BiPost	**IM T20BP**	**88525**	22000	500	241	12

www.gelighting.com



and General Electric are both registered trademarks of the General Electric Company

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted by law.

GE
Lighting

WORLDWIDE PARTNER

Katalog autožárovek
Katalog Żarówek Samochodowych
Lichtprogramm Fahrzeuglampen
Automotive Lamp Catalogue





GE imagination at work

www.gelighting.com

GE Home & Business Solutions poskytuje široký sortiment výrobků a služeb po celém světě, včetně elektrických spotřebičů a řešení světelné a elektrické distribuce. Ve více než 100 zemích používá GE Consumer & Industrial pro poskytování řešení pro komerční, průmyslové a domácí použití inovační technologie a „ekoimagination", GE iniciativa průbojně přináší na trh nové technologie, které pomáhají zákazníkům a spotřebitelům vyhovět naléhavým požadavkům, přispívajícím ke zlepšení životního prostředí. GE rozsáhle investuje do vývoje a výzkumu, a proto můžeme nabídnout značně výhodná řešení, která mohou vyhovět technickým a kvalitativním specifikacím našich zákazníků.
GE Lighting – divize GE Consumer & Industrial – je jedním z největších dodavatelů světelných zdrojů na světě, který poskytuje nejmodernější technologie, nabízí úplný sortiment žárovek, halogenových žárovek, zářivek, kompaktních zářivek, výbojek a autožárovek. GE zaujímá od začátku vedoucí roli v automobilovém osvětlení, nyní nabízí kompletní řadu automobilových žárovek pro napětí 12V a 24V. Řada automobilových žárovek vyráběná v Evropě, která je zahrnuta v tomto katalogu, je prodávána po celém světě jak pro použití ve světlometech u prvoosazovatelů, tak i pro použití na trhu. Na požádání je k dispozici i samostatný katalog pro GE autožárovky určené pro severoamerický trh.

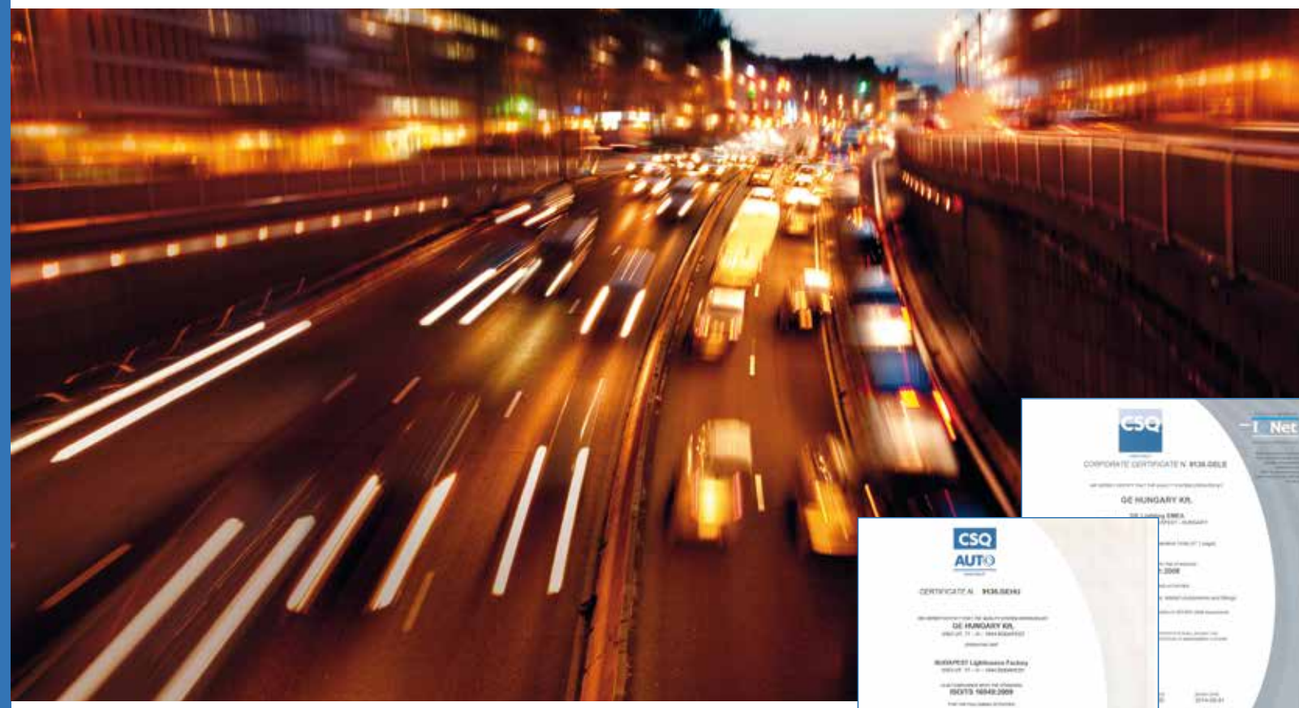
GE Home & Business Solutions oferuje szeroki asortyment produktów takich jak sprzęt AGD , oświetlenie oraz rozwiązania rozdzialu energii elektrycznej na całym świecie. Oferujac rozwiazania dla przemysłu, sektora komercyjnego oraz budownictwa mieszkaniowego w ponad 100 krajach GE Consumer & Industrial stosuje intensywnie inowacyjne technologie oraz program GE o nazwie „ecoimagination" pomagając naszym klientom w spełnianiu coraz wiekszych wymagań ochrony środowiska. GE intensywnie inwestuje w badania i rozwój i możemy obecnie zaoferować ciekawe rozwiązania, które mogą spełnić zarówno techniczne jak też jakościowe wymagania naszych klientów. GE Lighting – oddzial GE Consumer & Industrial – jest jednym z największych dostawców źródeł światła na świecie zapewniając produkty o najwyższym poziomie technicznym. GE Lighting oferuje pełny asortyment lamp żarowych, halogenowych , wysokoprężnych (HID), świetlówek kompaktowych oraz żarówek samochodowych. Od poczatku istnienia przemysłu samochodowego GE odgrywało czołową rolę w oświetleniu pojazdów samochodowych i obecnie oferuje pełen typoszereg żarówek samochodowych na napięcie 12V i 24V. Nasze zarówki samochodowe produkowane w Europie, sprzedawane są na całym świecie zarówno do producentów oswietlenia samochodowego jak też na rynku wymiany. Na życzenie dostępny jest oddzielny katalog żarówek samochodowych GE Lighting zawierający zarówki przeznaczone na rynki Ameryki Północnej.

GE Home & Business Solutions bietet Ihnen eine weltweit breite Palette von Produkten und Dienstleistungen für Haushaltsgeräte, Beleuchtung und elektrische Verteilersysteme an.
GE Home & Business Solutions bietet Lösungen für Gewerbe, Industrie und private Haushalte in mehr als 100 Ländern. GE Home & Business Solutions bietet innovative Technologie und "Ecoimagination", eine Initiative von GE, um mit neuen Technologien die Herausforderungen für eine saubere Umwelt zu meistern.
GE Lighting – ein Teil von GE Home & Business Solutions – ist einer der größten Hersteller von Lichtquellen mit modernster Technologie und bietet das gesamte Spektrum an Glüh-, Halogen-, Leuchtstoff-, Kompaktleuchtstoff- und Gasentladungslampen einschließlich Automobilbeleuchtung.
GE hatte von Anfang an eine führende Rolle in der Automobilbeleuchtung und bietet heute ein breites Spektrum im 12V und 24V Segment, sowohl für die Erstausrüstung als auch für den Aftermarket. Die Produktpalette für Automobilbeleuchtung in diesem Katalog wird überwiegend in Europa hergestellt. Auf Anfrage senden wir gerne einen Katalog von GE Lighting Nord Amerika für die Automobilbeleuchtung .

GE Home & Business Solutions provides a broad range of products and services throughout the world, including appliances, lighting and electrical distribution solutions.
Providing solutions for commercial, industrial and residential use in more than 100 countries, GE Consumer & Industrial uses innovative technologies and "Ecoimagination", a GE initiative to agressively bring to market new technologies that help customers and consumers meet pressing environmental challenges.
GE Lighting – a division of GE Consumer & Industrial – is one of the largest suppliers of light sources in the world. We provide state-of-the-art technology and are able to offer a full range of incandescent lamps, Fluorescent lighting products, Halogen, HID, Compact fluorescent and Automotive lamps.
GE has played a leading role in Automotive Lighting for many years. Nowdays we are able to offer a full range of vehicle lamps operating on either 12V or 24V systems. The automotive product range produced in Europe – which is included in this catalogue – is sold all over the world, both for original equipment use and for use in the aftermarket. Upon request a separate catalogue is available on the GE Lighting North American Automotive range.



Certification



Společnost je na schváleném seznamu mnoha světových výrobců automobilů, u kterých je klíčovým měřítkem kvalita a výkonnost. Spolehlivá kvalita automobilových žárovek je zaručena:
- Počítačově řízeným a kontrolovaným konstrukčním procesem
- Plně automatizovanými výrobními linkami
- Vysokou úrovní systému zajištění kvality.

Nasza firma posiada certyfikaty wielu światowych producentów samochodów , dla których jakość oraz parametry są zasadniczymi elementami kwalifikacji. Wysoka jakość naszych żarówek samochodowych jest zapewniana przez:
- Proces produkcyjny sterowany i kontrolowany komputerowo
- Całkowice zautomatyzowane linie produkcyjne
- Wysoki poziom systemu zapewnienia jakości

Unser Unternehmen befindet sich auf den meisten Freigabelisten der weltweiten Automobilindustrie, dort wird der Schwerpunkt auf Qualität und Leistungsfähigkeit gesetzt.
Die verläßliche Qualität der Automobillampen wird erreicht durch
- computergestützte 100% Qualitätskontrolle
- vollautomatische Produktionsverfahren
- hochentwickelte Qualitätssicherungssysteme

The company is on the Approval list of many of the worlds car manufacturers, where quality and performance are key measurements. The reliability and quality of automotive lamps is ensured by:
- Computer-managed and controlled design process
- Fully automated production lines
- High level of quality assurance system
- Continued investment programs
- A commitment to continuous improvement

ISO 9001, ISO TS 16949 and ISO 14001 quality system certification

ECE complience, homologation

Global OEM customer base

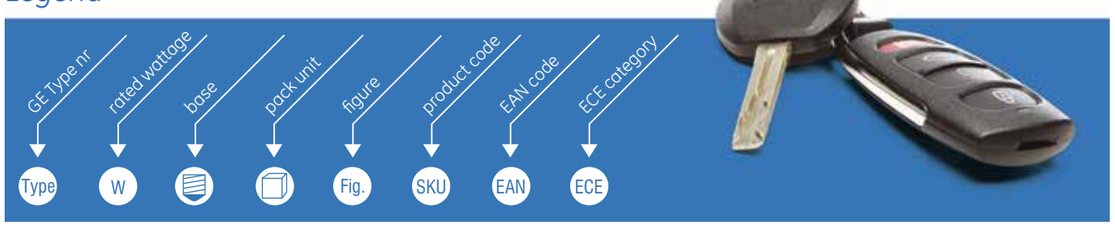
EoLV, ROHS complience

Use of UV cut glass, safe for use in plastic headlights

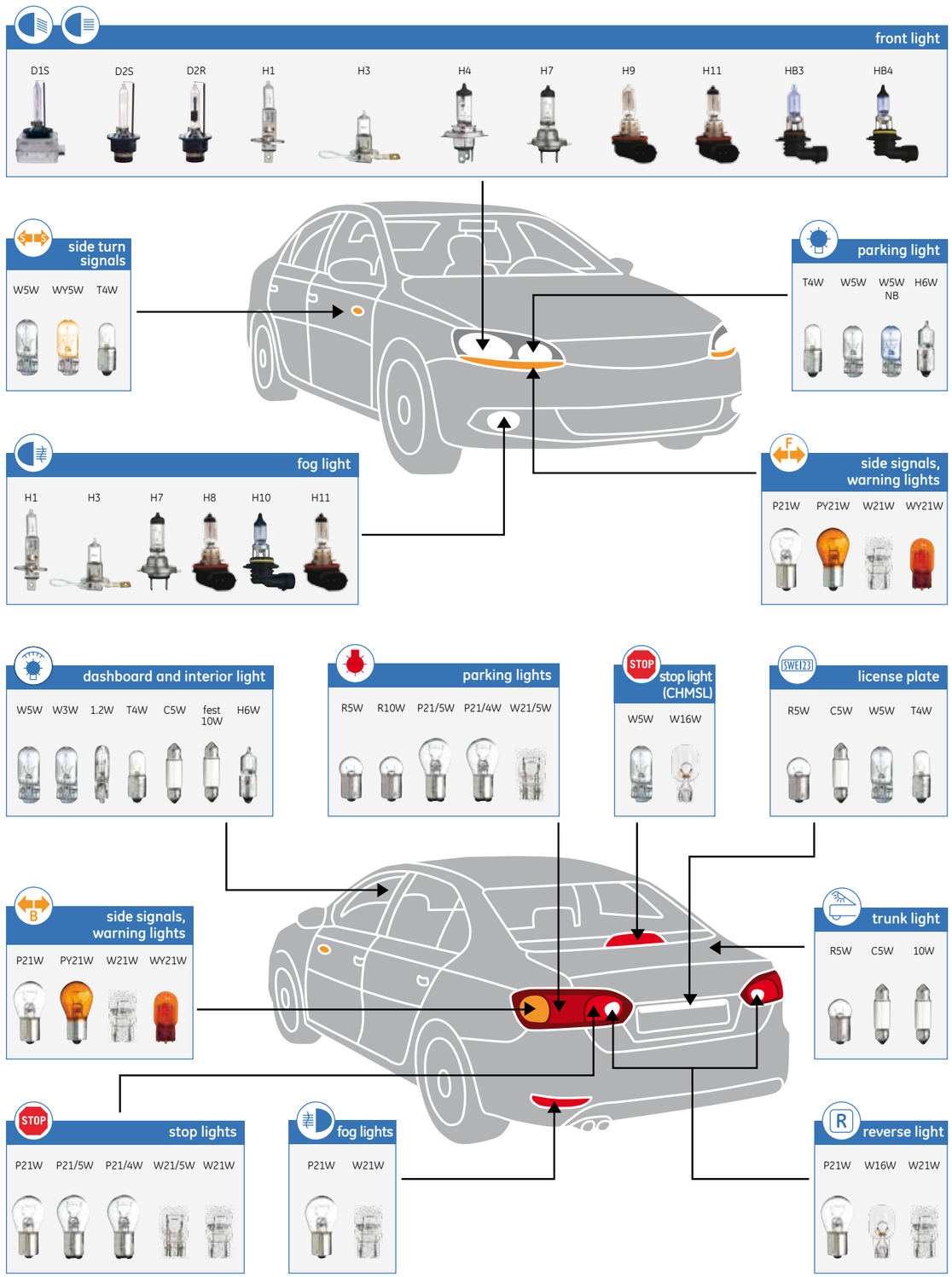
Obsah – Legenda – Einführung – Contents

Úvod, Certifikace, Obsah, Automobilové žárovky - Wprowadzenie, Spis treści, Legenda - Einführung - Introduction, Certification, Contents, Automotive Lamps	2-5
"XENSATION TM" – D1S, D2S, D2R výbojky do hlavních světlometů – "XENSATION TM" – D1S, D2S, D2R Lampy ksenonowe do reflektorów głównych – 12V SAE-Hauptscheinwerferlampen D1S, D2S, D2R – "XENSATION TM" - D1S, D2S, D2R headlight lamps	6-7
12V halogenové žárovky do hlavních světlometů – "PREMIUM" – Żarówki halogenowe "PREMIUM" 12V – Halogen Scheinwerferlampen – 12V halogen headlight lamps – "PREMIUM"	8-9
MEGALIGHT ULTRA +120	10-11
MEGALIGHT ULTRA +90	12-13
MEGALIGHT PLUS	14-15
SPORTLIGHT - incl. miniature lamps	16-17
EXTRA LIFE - incl. miniature lamps	18-19
RALLY - OFF ROAD	20-21
MOTORCYCLE	22
12V 12V Dvouvláknové žárovky do hlavních světlometů – R2, H4, jednovláknové žárovky H1, H2, H3, H7, H8, H9, H10, H11, HB3, HB4 – 12V Żarowki do reflektorów głównych – R2, H4 – Światła drogowe i mijania, H1, H2, H3, H7, H8, H9, H10, H11, HB3, HB4 – Żarówki jednożarnikowe - 12V Zweifaden-Hauptscheinwerferlampen R2, H4, Einfadenlampen H1, H2, H3, H7, H8, H9, H10, H11, HB3, HB4 – 12V Headlight lamps - R2, H4 - upper and lower beam, H1, H2, H3, H7, H8, H9, H10, H11, HB3, HB4 - single filament lamps	23
12V Miniaturní žárovky – "PREMIUM"– Żarówki miniaturowe – "PREMIUM" – Miniaturlampen – Miniature lamps – "PREMIUM"	24-25
12V Žárovky pro obrysová, brzdová a směrová světla – Żarowki pozycyjne, stopowe i do kierunkowskazów – Brems-, Blink- und Schlußlichtlampen – Tail, stop and direction lamps	26
12V Žárovky pro vnitřní osvětlení, miniaturní halogenové žárovky – Żarówki do oświetlenia wewnętrznego, żarówki halogenowe miniaturowe – Lampen für Innenbeleuchtung, Miniatur-Halogenlampen – Interior lamps, miniature halogen lamps	27
12V Žárovky pro obrysová, brzdová a směrová světla – Żarowki pozycyjne, stopowe i do kierunkowskazów – Blink-, Brems- und Schlußlichtlampen – Tail, direction, parking and indicator lamps	28
12V Celoskleněné žárovky a žárovky s plastovou patici – Żarówki całoszklane lub z trzonkiem plastikowym – Glassockellampen mit und ohne Steckfassung – Wedge base lamps with and without plastic cap	29
24V "Heavy Star" 24V žárovky pro nákladní automobily s delší životností a zvýšenou robustností – Żarówki 24V o dużej trwałości i wzmocnionej konstrukcji do samochodów ciężarowych – 24V Lampen für LKW und Busse mit längerer Lebensdauer und höherer Robustheit – 24V Truck lamps with longer life and increased robustness	30-31
24V Žárovky do hlavních světlometů – Żarówki do reflektorów głównych - światła drogowe i mijania – Hauptscheinwerferlampen – Headlight lamps – upper and lower beam	32
24V Žárovky pro obrysová, brzdová a směrová světla – Żarowki pozycyjne, stopowe i do kierunkowskazów – Blink-, Brems- und Schlußlichtlampen – Tail, direction, parking and indicator lamps	33-34
24V Žárovky pro vnitřní osvětlení – Żarówki do oświetlenia wewnętrznego – Lampen für Innenbeleuchtung – Interior lamps	35
24V Žárovky pro obrysová, brzdová a směrová světla – Żarowki pozycyjne, stopowe i do kierunkowskazów – Brems-, Blink- und Schlußlichtlampen – Tail, stop and direction lamps	35
Zestawy żarówek samochodowych – Lamp kits	36
Ekspozytory – Displays	37
Balení – Opakowania – Verpackungen – Packaging, blisters	38-40
Piktogramy – Piktogramy – Piktogramme – Symbols, marking	41
Patice žárovek – Trzonki do żarówek – Sockelübersicht – Lamp bases	42
GE Lighting kontakty – GE Lighting kontakty – GE Lighting Kontakten – GE Lighting contacts	43-44

Legend



Automotive Lamps



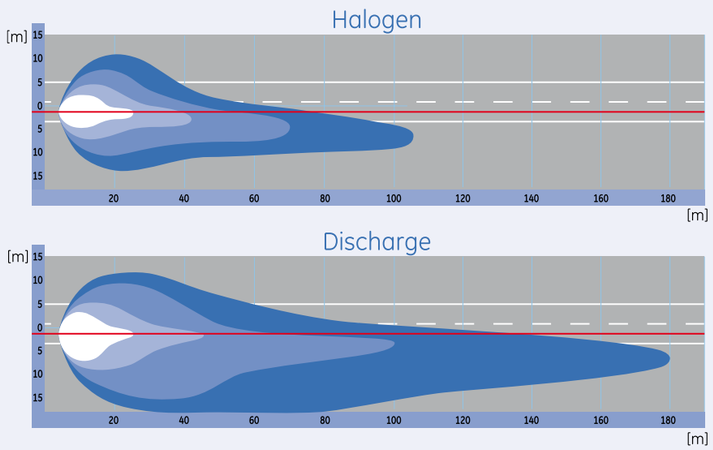
Xenon High Intensity Discharge lamps

Xensation™ - D1S, D2S, D2R



Xensation GE D1S, D2S, D2R Automotive discharge headlight lamps

Thanks to our latest lighting technology, GE Xensation lamps provide a major leap in road safety over conventional halogen lamps due to enormous increase in the illuminated field of vision.
See the comparative light charts and photos below.



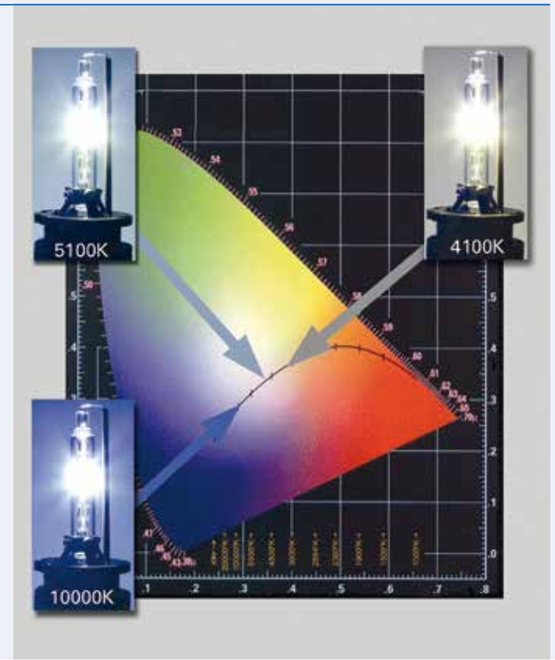




Benefits of GE Discharge lamps:

- Better visibility and illumination- the light emitted provides the driver with many benefits. It assists the human eye and allows better visibility and improved hazard awareness, allowing the driver to navigate poor driving conditions with increased confidence and with less fatigue.
- Greater illuminated area on the road.
- Lower power consumption – 35W only instead of 55W (ordinary halogen lamp power consumption).
- Better durability – excellent vibration and shock resistance giving significantly greater reliability.
- Optically advantageous whiter light compared to halogen lamps designed to give a colour that is closer to natural daylight.

Type	Colour Temperature (K)	
	D2S	D2R
Blue Standard 53500, 53510	4100	4000
Blue* 53550, 53570	5100, 6000	5100, 6000
Super Blue* 53560, 53580	10 000	10 000



D1, D2

	Type	ECE	W			Fig.	SKU	EAN
Xenon-HID – Headlight lamps								
	Žárovky do hlavních světlometů Żarówki do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
D2S	**53500**	D2S	35	P32D-2	1/8/32	1	93036	0043168930369
	53500	D2S	35	P32D-2	1/3/12	1	20077	0043168930369
	53550 - 5100K		35	P32D-2	1/8/32	1	20043	0043168200431
	53560 - 10000K		35	P32D-2	1/8/32	1	20045	0043168200455
D2R	**53510**	D2R	35	P32D-3	1/8/32	2	93218	0043168932189
	53510	D2R	35	P32D-3	1/3/12	2	20079	0043168932189
	53570 - 5100K		35	P32D-3	1/8/32	2	20044	0043168200448
	53580 - 10000K		35	P32D-3	1/8/32	2	20046	0043168200462
D1S	**53620**	D1S	35	PK32D-2	1/4/12	3	78129	0043168781299

* 5100K, 6000K and 10000K high colour temperature Blue and Super Blue discharge lamps have no E-mark, designed for OFF ROAD use only.

Fig. 1.

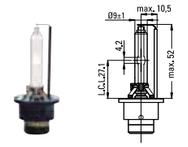


Fig. 2.

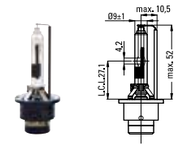
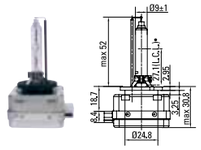


Fig. 3.



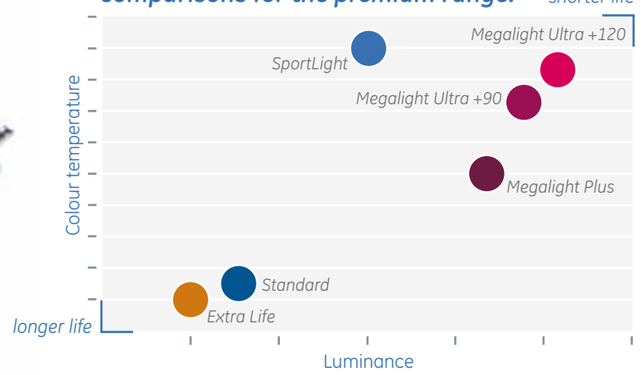
Halogen headlight lamps

lighting your way...

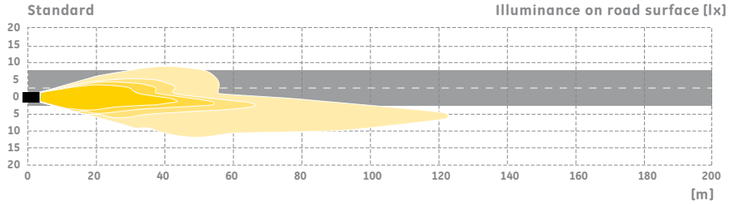
As well as the basic range, GE automotive also offers the premium range, based on special lamp designs. The premium range includes: Megalight Ultra +120, Megalight Ultra +90, Megalight Plus, Sportlight, Extra Life, Heavy Star, Rally. The premium lamps have additional benefits in terms of life, colour, vibration resistance or wattage.
The premium lamps are also E1 marked, making their use on the EU roads possible, with the exception of Rally lamps that were designed for off-road usage.
Extra life lamps have enhanced life, Megalight Plus and Ultra lamps posses increased luminance, Sportlight halogen lamps give intense blue-white light.

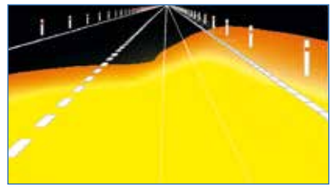


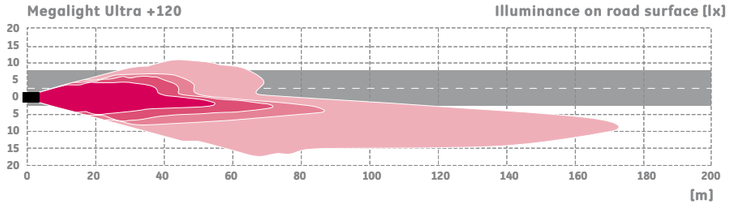
Colour temperature-luminance-life comparisons for the premium range.

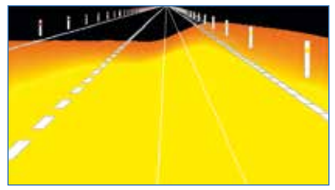


More light
Better visibility
Improved driving performance









UPGRADE your car with
GE premium lamps



	H1	H3	H4	H7	H8	H9	H10	H11	HB3	HB4
Megalight Ultra +120 up to **120%** more light	●		●	●				●	●	●
Megalight Ultra +90 up to **90%** more light	●		●	●				●	●	●
Megalight Plus **50-60%** more light	●		●	●						
SportLight when you really want to **see and be seen**	●		●	●					●	●
Extra Life **better economy** for daytime lighting	●	●	●	●						
Heavy Star - 24V **Longer life,** increased robustness	●	●	●	●						
Rally for **off-road** use only	●	●	●							
GE "Reliable" range **quality- performance** fully replacable with OEM lamps	●	●	●	●	●	●	●	●	●	●

Operational voltage is a critical parameter influencing the life time of the automotive lamps. The life of the lamp is sensitive to the operation voltage of the car, 1% of change of the voltage results in 12-15% change of life with opposite sign.

The special quartz glass used for GE automotive lamps cuts the UV component of light, it means that GE automotive lamps can safely be used in plastic reflectors without the risk of discoloration.

Megalight Ultra +120

12V



O 120% více světla na vozovce

Nová úroveň výkonu – optimalizovaná konstrukce s použitím 100% xenonu jako plnicího plynu

- Nejintenzivnější a nejvýkonnější úroveň osvětlení z hlediska svítivosti, pro bezpečnější řízení
- Zvýšená úroveň svítivosti světlometu pomáhá v redukci nehod v nočním čase / za podmínek snížené viditelnosti

Do 120% więcej światła na drodze

Ulepszone działanie -optymalna konstrukcja żarówki napełnionej w 100% Ksenonem

- Intensywne i mocne światło zarówki dla bezpieczniejszej jazdy
- Poprawa poziomu oświetlenie reflektorów głównych pomaga zmniejszyc ilośc wypadków podczas jazdy nocą i w warunkach słabej widoczności

Bis zu 120% mehr Licht auf der Straße

Neues Leistungsniveau – Prozessoptimiertes Design mit 100 %-iger Xenongasfüllung.

- Intensivste und Leistungsstärkste Lampe in Bezug auf Helligkeit, sorgt für sicheres Fahren
- Erhöht die Lichtintensität des Scheinwerfers und verringert somit die Unfallgefahr bei Dunkelheit
- Verbesserte Lichtintensität hilft bei der Verringerung von Unfällen in der Nacht und bei schlechten Sicht-verhältnissen

Up to 120% more light on the road

New level of performance - optimized design with 100% xenon gas fill.

- Most intense and powerful lamp in terms of luminance, for safer driving
- Improved headlamp illumination level helps in reduction of accidents at night time/in poor visibility conditions

Street Legal

Type	ECE	W			Fig.	SKU	EAN
Megalight Ultra +120 - Halogen headlight lamps							
Halogenové žárovky do hlavních světlometů Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
50440SNU	H4	60/55	P43t	2/18/72 display	1	98241	0043168982634
				2/20 blister	1	98281	0043168982818
58520SNU	H7	55	PX26d	2/18/72 display	2	98264	0043168982658
				2/20 blister	2	98282	0043168982825
50310NU	H1	55	P14,5s	2/18/72 display	3	98239	0043168982405
				2/20 blister	3	98266	0043168982665
53810NU	HB3	60	P20d	2/18/72 display	4	98436	0043168987325
53070SNU	HB4	51	P22d	2/18/72 display	5	98437	0043168987332
53110SNU	H11	55	PGJ19-2	2/18/72 display	6	98438	0043168987349

Fig. 1.

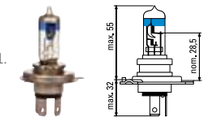


Fig. 2.

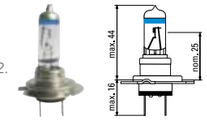


Fig. 3.

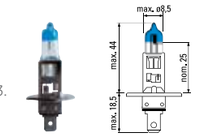


Fig. 4.

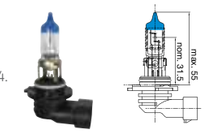


Fig. 5.

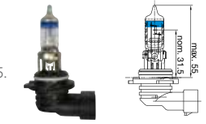
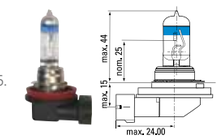


Fig. 6.



Always change the headlamps by pair.



Megalight Ultra +90

12V



O 90% více světla na vozovce

Vysoce výkonné žárovky pro zvýšenou viditelnost, pohodlí a styl

- Zlepšený noční řidičský komfort
- Větší svítivost v kombinaci s bělejším světlem zvyšuje bezpečnost vašeho řízení

Do 90% więcej światła w warunkach drogowych

Żarówki o wysokiej skuteczności, zapewniające lepszą widoczność, wygodę i stylowy wygląd

- Poprawa warunków jazdy w nocy
- Lepsze oświetlenie oraz bielsze światło zwiększa bezpieczeństwo Twojej jazdy

Bis zu 90% mehr Licht auf der Straße

Verbessern Sie Ihr Fahrverhalten durch stressfreies Sehen, dank des helleren Lichtes

- Verbesserte Sicht bei Nacht.
- Hellere Beleuchtung kombiniert mit blau-weißem Licht bedeutet zusätzliche Sicherheit für Ihre Fahrt.

Up to 90% more light on the road

High performance lamps for visibility, convenience and style

- Improved driving performance at night
- Greater illumination combined with whiter light add safety to your driving.

Street Legal

Type	ECE	W			Fig.	SKU	EAN
Megalight Ultra +90 - Halogen headlight lamps							
Halogenové žárovky do hlavních světlometů Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
50440SXU	H4	60/55	P43t	2/12/48 display	1	73500	0043168735001
				2/20 blister	1	74153	0043168741538
58520SXU	H7	55	PX26d	2/16/64 display	2	96923	0043168969239
				2/20 blister	2	74154	0043168741545
50310XU	H1	55	P14,5s	2/16/64 display	3	96946	0043168969468
				2/20 blister	3	96948	0043168969482
53060XU	HB3	60	P20d	2/12/48 display	4	79295	0043168792950
53070SXU	HB4	51	P22d	2/12/48 display	5	79296	0043168792967
53110SXU	H11	55	PGJ19-2	2/12/48 display	6	79297	0043168792974

Fig. 1.

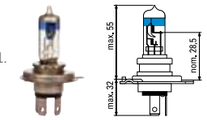


Fig. 2.

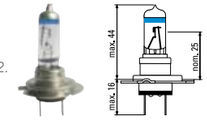


Fig. 3.

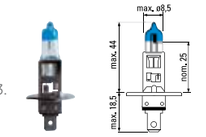


Fig. 4.

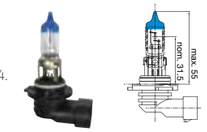


Fig. 5.

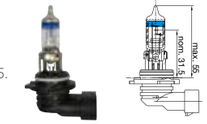
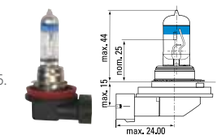


Fig. 6.





Megalight Plus 50

12V



O 50-60% více světla na vozovce

- Speciální konstrukce žárovky pro vysokou svítivost
- Delší kužel světla
- Jasnější osvětlení

Do 50-60% więcej światła w warunkach drogowych

- Specjalna konstrukcja żarówki o wysokiej luminancji
- Większy zasięg wiązki swiatła z reflektorów
- Jaśniejsze oświetlenie

50-60% mehr Licht auf der Straße

- Spezielles Design für größtmöglichste Beleuchtungs-stärke
- Größere Leuchtweite
- Hellere Beleuchtung

Up to 50-60% more light on the road

- Special high luminance lamp design
- Longer beam
- Brighter illumination

Street Legal

Type	ECE	W			Fig.	SKU	EAN
Megalight Plus 50 - Halogen headlight lamps							
Halogenové žárovky do hlavních světlometů Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
50440MPU	H4	60/55	P43t	2/12/48 display	1	91618	0043168916189
				1/12/48 display	1	12791	0043168127912
				2/20 blister	1	93361	0043168933612
58520MPU	H7	55	PX26d	2/16/64 display	2	93768	0043168937689
				1/20/80 display	2	12904	0043168129046
				2/20 blister	2	19759	0043168197595
50310MPU	H1	55	P14,5s	2/16/64 display	3	93625	0043168936255
				1/20/80 display	3	12896	0043168128964
				2/20 blister	3	19758	0043168197588

Fig. 1.

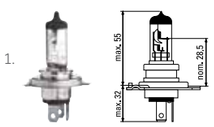


Fig. 2.

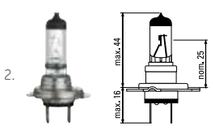
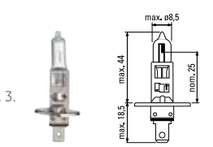


Fig. 3.





Sportlight

12V



Když opravdu chcete vidět a být viděn

Intenzivní modrobílé světlo s více jak 50% světla navíc na vozovce

- Vyšší viditelnost v periferním zorném poli - „vidět a být viděn“
- Lepší viditelnost za extrémních povětrnostních podmínek, jako je silný déšť, mlha a krupobití
- Rychlejší podnět, včasnější varování (miniaturní žárovky)

Kiedy naprawdę chcesz widzieć i być widziany

50% więcej światła o niebieskobiałej barwie i większej intensywności podczas jazdy na drodze.

- Lepsza widoczność na poboczu drogi – „widzieć i być widzianym”
- Lepsza widoczność w skrajnych warunkach pogodowych, takich jak ulewny deszcz, mgła i burza gradowa
- Szybsza sygnalizacja, wcześniejsze ostrzeganie

Wenn Sie wirklich gut sehen und gut gesehen werden wollen

Intensives blau-weißes Licht mit Xenon Effekt, welches bis zu 50% mehr Licht auf die Straße bringt

- Bessere Sicht in den Außenrandbereichen um zu sehen und gesehen zu werden
- Bessere Sichtbarkeit bei extremen Wetterbedingungen
- Verbesserte und schnellere Reaktionszeit - Miniaturlampen

When you really want to see and be seen

Intense blue-white light up to 50% more light on the road, or faster signal

- Higher visibility in peripheral viewing
- Better visibility in extreme weather conditions
- Faster signal, earlier notice - miniature lamps

Street Legal

Type	ECE	W			Fig.	SKU	EAN
Sportlight - Halogen headlight lamps							
Halogenové žárovky do hlavních světlometů Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
50440SPU	H4	60/55	P43t	2/12/48 display	1	79298	0043168792981
				2/20 blister	1	97132	0043168971324
58520SPU	H7	55	PX26d	2/16/64 display	2	79299	0043168792998
				2/20 blister	2	97131	0043168971317
50310NHSU	H1	55	P14,5s	2/16/64 display	3	90761	0043168907613
				2/20 blister	3	73343	0043168733434
53810NHSU	HB3	60	P20d	2/12/48 display	4	79304	0043168793049
53820NHSU	HB4	51	P22d	2/12/48 display	5	79303	0043168793032
Sportlight - Miniature lamps							
Žárovky pro obrysová, brzdová a směrová světla Żarowki pozycyjne, stopowe i do kierunkowskazów Blink-, Brems- und Schlußlichtlampen Tail, direction, parking and indicator lamps							
1057NH	P21W	21	BA15s	1/10/200	6	45690	0043168456906
				10/200	6	45348	0043168453486
1077NH	P21/5W	21/5	BAY15d	1/10/200	7	45687	0043168456876
				10/200	7	45346	0043168453462
2619NH	R5W	5	BA15s	1/10/200	8	45685	0043168456852
				10/200	8	45342	0043168453424
2641NH	R10W	10	BA15s	1/10/200	8	45684	0043168456845
				10/200	8	45337	0043168453370
501NH	W5W	5	W2,1x9,5d	10/200	9	76108	0043168761086

Fig. 1.

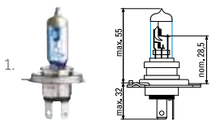


Fig. 2.

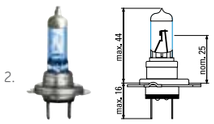


Fig. 3.

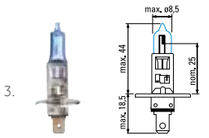


Fig. 4.

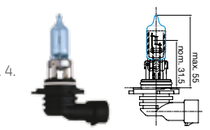


Fig. 5.

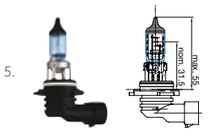


Fig. 6.

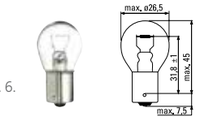


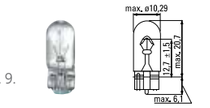
Fig. 7.



Fig. 8.



Fig. 9.





Always change the headlamps by pair.

Extra Life



Extrémně dlouhá životnost

Dvojnásobná životnost ve srovnání se standardními žárovkami

- Vhodné pro denní svícení (DRL)
- Zajistí bezpečnou jízdu během dne i noci

Verlängerte Lebensdauer / Superlonglife

Lebensdauerverdoppelung gegenüber Standardglühlampen

- Besonders geeignet auch als Tagfahrlichtlampen-Generation (DRL)
- Sorgt für sicheres Fahren bei Tag und bei Nacht

Przedłużona trwałość

Okres eksploatacji dwukrotnie dłuższy niż w przypadku standardowych żarówek

- Odpowiednie do zastosowania do „świateł dziennych" (DRL)
- Zapewnia bezpieczeństwo jazdy w dzień i w nocy

Extended long lifetime

Double the life of standard bulbs

- Suitable for Daytime Running Light (DRL) use
- Ensures safe driving during day and night

Street Legal

12V

Type	ECE	W			Fig.	SKU	EAN
Extra Life - Halogen headlight lamps							
Halogenové žárovky do hlavních světlometů Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
50440LU_DPU	H4	60/55	P43t	2/12/48 display	1	17462	0043168174626
				2/20 blister	1	19682	0043168196826
58520LU_DPU	H7	55	PX26d	2/16/64 display	2	17463	0043168174633
				2/20 blister	2	19686	0043168196864
50310LU_DPU	H1	55	P14,5s	2/16/64 display	3	17465	0043168174657
				2/20 blister	3	19685	0043168196857
50340LU_DPU	H3	55	PK22s	1/10/100	4	17464	0043168174640
Extra Life - Miniature lamps							
Žárovky pro obrysová, brzdová a směrová světla Żarowki pozycyjne, stopowe i do kierunkowskazów Blink-, Brems- und Schlußlichtlampen Tail, direction, parking and indicator lamps							
1057LFD	P21W	21	BA15s	1/10/200	5	77049	0043168770491
				2/20 blister	5	23284	0043168232845
1056LFD	PY21W	21	BAU15s	1/10/200	6	77091	0043168770910
1077LFD	P21/5W	21/5	BAY15d	1/10/200	7	77050	0043168770507
				2/20 blister	7	23285	0043168232852
TU 1122LFD	P21/4W	21/4	BAZ15d	1/10/200	7	77090	0043168770903
2619LFD	R5W	5	BA15s	1/10/200	8	77051	0043168770514
				2/20 blister	8	23286	0043168232869
TU 2641LFD	R10W	10	BA15s	1/10/200	8	77052	0043168770521
TU 7546LFD	C5W	5	SV8,5	1/10/200	9	77054	0043168770545
				2/20 blister	9	23308	0043168233088
TU 930FD	W5W	5	W2,1x9,5d	1/10/200	10	77048	0043168770484
TU 2662LFD	T4W	4	BA9s	1/10/200	11	77059	0043168770590
				2/20 blister	11	23292	0043168232920
TU 52830LFD	H6W	6	BAX9s	1/10/100	12	77053	0043168770538



Always change the headlamps by pair.

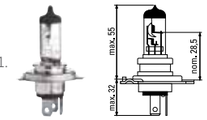
Fig. 1.


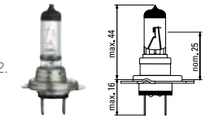
Fig. 2.


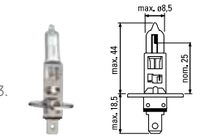
Fig. 3.


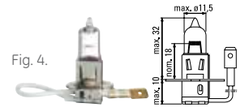
Fig. 4.


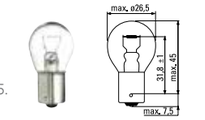
Fig. 5.


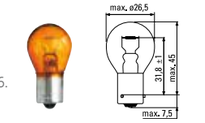
Fig. 6.


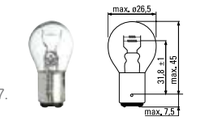
Fig. 7.


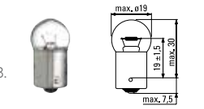
Fig. 8.


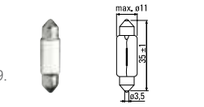
Fig. 9.


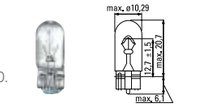
Fig. 10.


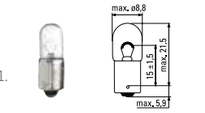
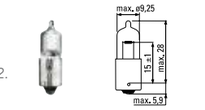
Fig. 11.


Fig. 12.


Rally



12V

Type	ECE	W			Fig.	SKU	EAN
Rally - Halogen headlight lamps							
Halogenové žárovky do hlavních světlometů – RALLY TYPY nejsou povoleny na veřejných komunikacích Żarówki halogenowe rajdowe do reflektorów głównych – niedozwolone do użytku na drogach publicznych Hauptscheinwerferlampen – Rallye-Typen sin im Bereich der StVZO nicht zugelassen Headlight lamps – Rally types are not allowed on public roads							
52140U		100	P14,5s	1/10/100	1	34874	9004102348740
				1/10 blister	1	35434	0043168354349
50370U		100	P14,5s/R	1/10/100	1	34875	9004102348757
52130U		100	Pk22s	1/10/200	2	34876	9004102348764
				1/10 blister	2	37963	0043168379632
52090U		100/55	P43t	1/10/100	3	37903	0043168379038
52100U		100/80	P43t	1/10/100	3	35974	0043168359740
52670		140/100	P43t	1/10/100	3	38665	0043168386654
52030U		100/80	P45t	1/10/100	4	35975	0043168359757

Fig. 1.

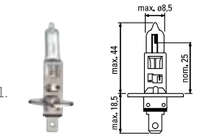


Fig. 2.

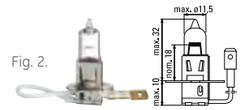


Fig. 3.

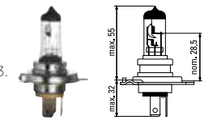
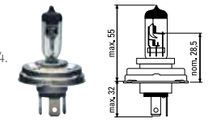


Fig. 4.



Vysokowattové žárovky pro hlavní světlomety a mlhovky pouze pro použití mimo veřejné komunikace

Reflektory przednie i lampy przeciwmgielne wyłącznie do użytku TERENOWEGO (poza drogami publicznymi)

Hochwattscheinwerfer- und Nebelscheinwerferlampen die speziell für „OFF ROAD“ oder als „RALLYLAMPEN“ genutzt werden können.

High wattage headlight and foglight lamps for OFF ROAD use only



Type	ECE	W			Fig.	SKU	EAN
Megalight +120 Motorcycle - Halogen headlight lamps							
Halogenové žárovky do hlavních světlometů Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
50440SNU	H4	60/55	P43t	1/20	1	98714	0043168987141
58520SNU	H7	55	PX26d	1/20	2	98715	0043168987158
53110SNU	H11	55	PGJ19-2	1/20	3	98713	0043168987134
Sportlight +50 Motorcycle – Halogen headlight lamps							
Halogenové žárovky do hlavních světlometů Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
50440SPU	H4	60/55	P43t	1/20	4	98716	0043168987165
58520SPU	H7	55	PX26d	1/20	5	98717	0043168987172
53110SPU	H11	55	PGJ19-2	1/20	6	98766	0043168987660

Fig. 1.

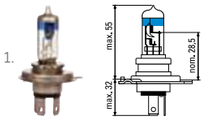


Fig. 2.

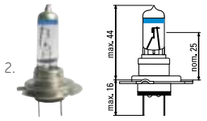


Fig. 3.

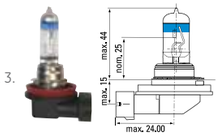


Fig. 4.

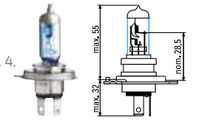


Fig. 5.

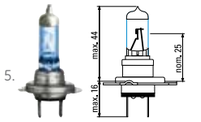
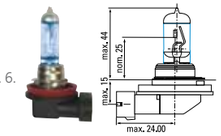


Fig. 6.



Žárovky Sportlight +50 a Megalight Ultra +120 pro použití v motocyklech

Zvýrazní vozovku před vámi
Změní noc v den

- Zlepšený noční řidičský komfort
- Lepší viditelnost za extrémních povětrnostních podmínek, kdy opravdu chcete vidět a být viděn

Żarówki Sportlight +50 i Megalight Ultra +120 do stosowania w motocyklach

Znakomicie oświetlają drogę przed pojazdem
Przekształcają noc w dzień

- Poprawa warunków jazdy w nocy
- Lepsza widoczność w ekstrmalnie złych warunkachwidoczności, kiedy istotnym jest aby widziec i byc widzianym

Sportlight +50 und Megalight Ultra +120 Lampen für Motorräder

Die perfekte Fahrbahnausleuchtung
Machen Sie die Nacht zum Tag

- Verbesserte Fahrleistung bei Nacht
- Bessere Sicht bei extremen Wetterbedingungen, wenn Sie wirklich sehen und gesehen werden wollen

Sportlight +50 and Meglight Ultra +120 lamps for motorcycle use

Highlight the road ahead
Turn night into day

- Improved driving performance at night
- Better visibility in extreme weather conditions, when you really want to see and be seen



	Type	ECE	W			Fig.	SKU	EAN
	Halogenové žárovky do hlavních světlometů Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
H4	**50440U**	H4	60/55	P43t	1/10/100	1	34454	9004102344544
					1/10 blister	1	17120	0043168354417
					2/20 blister	1	35930	0043168359306
	52070U		60/55	P45t	1/10/100	2	19762	0043168197625
H1	**50310/1U**	H1	55	P14,5s	1/10/100	3	20727	9004102207276
					1/10 blister	3	17119	0043168354301
H3	**50340U**	H3	55	Pk22s	1/10/200	4	20729	9004102207290
					1/10 blister	4	17117	0043168354325
H7	**58520U**	H7	55	PX26d	1/10/100	5	35017	0043168350174
					1/10 blister	5	17123	0043168354356
H8	**53090U**	H8	35	PGJ19-1	1/10/100	6	92563	0043168925631
					1/10 blister	6	18254	0043168182546
H9	**53100U**	H9	65	PGJ19-5	1/10/100	7	92565	0043168925655
					1/10 blister	7	18256	0043168182560
H11	**53110U**	H11	55	PGJ19-2	1/10/100	6	92567	0043168925679
HB3	**53060U**	HB3	60	P20d	1/10/100	8	36474	0043168364744
					1/10 blister	8	18266	0043168182669
HB4	**53070U**	HB4	51	P22d	1/10/100	9	36472	0043168364720
					1/10 blister	9	18267	0043168182676
H10	**53080U**	H10	42	PY20d	1/10/100	9	12905	0043168129053
R2	**52950**	R2 Halogen	45/40	P45t	1/10/100	10	35077	9004102350774

Fig. 1.

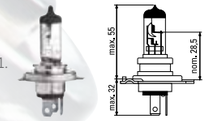


Fig. 2.

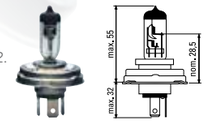


Fig. 3.

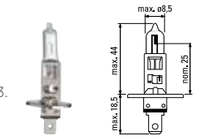


Fig. 4.

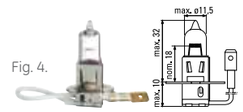


Fig. 5.

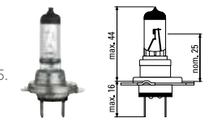


Fig. 6.

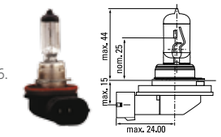


Fig. 7.

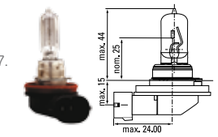


Fig. 8.

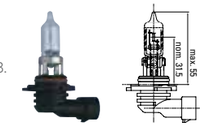


Fig. 9.

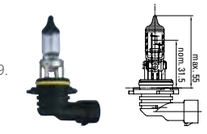
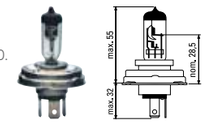


Fig. 10.



Miniature lamps



- *side signals, warning lamps*
- *stop lamps*
- *fog lamps*
- *license plate*
- *reverse lamps*
- *parking lamps*
- *dashboard lamps*
- *interior lamps*
- *indicator lamps*
- *side turn signal lamps*

UPGRADE your car with **GE premium lamps**	 *P21W*	 *P21/4W*	 *P21/5W*	 *PY21W*	 *R5W*	 *R10W*	 *T4W*	 *W5W*	 *C5W*
Extra Life **better economy** for daytime lighting, 2x longer life	●	●	●	●	●	●	●	●	●
SportLight when you really want to **see and be seen**	●		●		●	●		●	
Heavy Star	●			●	●	●	●		
GE "Reliable" range **quality- performance** fully replacable with OEM lamps	●	●	●	●	●	●	●	●	●

Type	ECE	W			Fig.	SKU	EAN
Žárovky pro obrysová, brzdová a směrová světla Żarowki pozycyjne, stopowe i do kierunkowskazów Brems-, Blink- und Schlußlichtlampen Tail, stop and direction lamps							
1056	PY21W	21	BAU15s	1/10/200	1	37964	0043168379649
				10/200	1	17248	9004102328193
				2/20 blister	1	17133	0043168354073
1057	P21W	21	BA15s	1/10/200	2	37894	0043168378949
				10/200	2	17218	9004102238058
				2/20 blister	2	17131	0043168354066
1058	P21W	21	BA15d	10/200	3	17219	9004102349914
1156		32 CP	BA15s	10/200	2	77369	0043168773690
1077	P21/5W	21/5	BAY15d	1/10/200	5	37896	0043168378963
				10/200	5	17228	9004102238096
				2/20 blister	5	17130	0043168354097
1098		20/5	BA15d	10/200	5	27736	0043168277365
1122	P21/4W	21/4	BAZ15d	10/200	5	17241	9004102238546
				2/20 blister	5	35931	0043168359313
1157	1157 ANSI	32/3 CP	BAY15d	10/200	5	17247	0043168357197
				2/20 blister	5	37969	0043168379694
7440	W21W	21	W3x16d	1/10/100	6	93458	0043168934589
				2/20 blister	6	93447	0043168934473
7440NA	WY21W	21	WX3x16d	1/10/100	7	76090	0043168760904
				2/20 blister	7	76091	0043168760911
7443	W21/5W	21/5	W3x16q	1/10/100	8	93448	00 43168934480
				2/20 blister	8	512863	5994101128631

Fig. 1

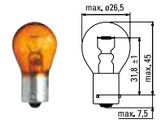


Fig. 2.



Fig. 3.

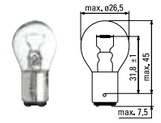


Fig. 4.

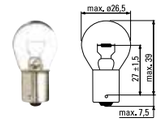


Fig. 5.

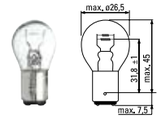


Fig. 6.

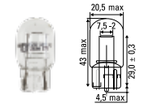


Fig. 7.

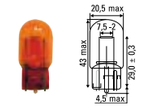
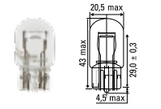


Fig. 8.



Type	ECE	W			Fig.	SKU	EAN
Žárovky pro vnitřní osvětlení Żarówki do oświetlenia wewnętrznego Lampen für Innenbeleuchtung Interior lamps							
7546	C5W	5	SV8,5-8	1/10/200	1	37912	0043168379120
				10/200	1	27771	9004102238409
				2/20 blister	1	17129	0043168354608
91701		3	SV7	10/200	2	73599	0043168936668
7575		5	SV8,5-8	1/10/200	3	38805	0043168388054
				10/200	3	27781	0043168379557
				2/20 blister	3	37956	0043168379564
7576	DIN 72601K	10	SV8,5-8	1/10/200	3	37913	0043168379137
				10/200	3	27793	9004102238683
				2/20 blister	3	35463	0043168354639
91715		10	SV8,5-8	10/200	5	73600	0043168387781
91735		10	SV8,5-8	1/10/200	4	73598	0043168132541
7592		15	SV8,5-8	10/200	6	27801	9004102349440
				2/20 blister	6	38803	0043168388030
7593		18	SV8,5-8	10/200	6	27803	9004102349457
				2/20 blister	6	38804	0043168388047
7585		10	SV8,5-8	2/20 blister	4	39459	0043168394598
Miniaturní halogenové žárovky Żarówki halogenowe miniaturowe Miniatur-Halogenlampen Miniature halogen lamps							
58540		5	BA9s	1/20	7	34930	9004102349303
58560		10	BA9s	1/20	7	34926	9004102349266
52830U	H6W	6	BAX9s	1/10/100	8	38849	0043168388498
				1/10 blister	8	38850	0043168388504

Fig. 1.

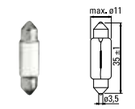


Fig. 2.



Fig. 3.

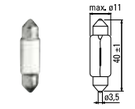


Fig. 4.

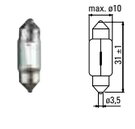


Fig. 5.



Fig. 6.

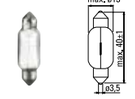


Fig. 7.

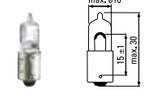
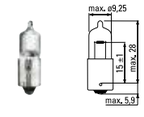


Fig. 8.



Quality - performance - fully replacable with OEM lamps

Žárovky pro obrysová, brzdová a směrová světla
Żarowki pozycyjne, stopowe i do kierunkowskazów
Blink-, Brems- und Schlußlichtlampen
Tail, direction, parking and indicator lamps

Type	ECE	W			Fig.	SKU	EAN
2619	R5W	5	BA15s	1/10/200	1	37897	0043168378970
				10/200	1	17253	9004102238270
				2/20 blister	1	17136	0043168353984
2619T	R5W	5	BA15s	10/200	2	20112	0043168201124
2641	R10W	10	BA15s	1/10/200	1	37899	0043168378994
				10/200	1	17256	9004102238348
				2/20 blister	1	17134	0043168354059
2641T	R10W	10	BA15s	10/200	2	20113	0043168201131
2696	DIN 72601J	2	BA7s	10/200	3	27393	9004102349242
				2/20 blister	3	38855	0043168388559
2656		3	BA9s	10/200	4	26741	0043168936927
2660		2	BA9s	10/200	4	26742	9004102349358
				2/20 blister	4	37960	0043168379601
2662	T4W	4	BA9s	1/10/200	5	37900	0043168379007
				10/200	5	27347	9004102238379
				2/20 blister	5	17137	0043168354509
5301		1,2	W2x4,6d	1/10/200	6	42804	0043168379076
				10/200	6	42799	9004102238669
				2/20 blister	6	35451	0043168354516
91605		2	W2x4,6d	10/200	6	97987	0043168936521
927122		30mA	W2x4,6d	10/200	6	27880	0043168936767

Fig. 1.

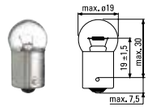


Fig. 2.

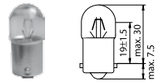


Fig. 3.

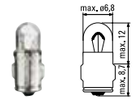


Fig. 4.

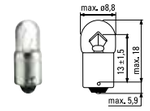


Fig. 5.

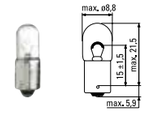
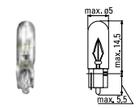


Fig. 6.



Celoskleněné žárovky a žárovky s plastovou paticí
Żarówki całoszklane lub z trzonkiem plastikowym
Glassockellampen mit und ohne Steckfassung
Wedge base lamps with and without plastic cap

Type	ECE	W			Fig.	SKU	EAN
91609 PS*		0,5	W2x4,6d	10/200	1	93678	0043168936781
5301 PS*		1,2	B8,5d	1/10/200	2	93438	0043168379885
				2/20 blister	2	39462	0043168394628
91641 PS*		1,2	B8,4d	10/200	3	93673	0043168936736
91645 PS*		2	BX8,4d	10/200	4	93656	0043168936569
91646 PS* 14V		1,12	B8,4d	10/200	5	93657	0043168936576
5303 PS*		2	B8,5d	10/200	6	93659	0043168936590
91665 PS*		2	B8,3d	10/200	6	93660	0043168936606
91695 PS* 14V		1,4	HRQ	10/200	7	93664	0043168936644
91696 PS*		1,8	EBS R11	10/200	8	93665	0043168936651
504	W3W	3	W2,1x9,5d	1/10/200	9	41952	0043168379106
				10/200	9	27887	9004102238492
				2/20 blister	9	35452	0043168354523
501	W5W	5	W2,1x9,5d	1/10/200	9	41961	0043168379113
				10/200	9	27888	0043168924580
				2/20 blister	9	17138	0043168354530
91625 Blue	W5W	5	W2,1x9,5d	10/200	10	97387	0043168936552
501 Amber	WY5W	5	W2,1x9,5d	10/200	11	21512	0043168924658
				2/20 blister	11	90199	0043168901994
921	W16W	16	W2,1x9,5d	10/200	12	21513	0043168215138

* PS - Plastic cap

Fig. 1.

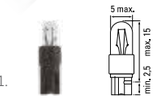


Fig. 2.

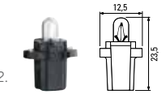


Fig. 3.

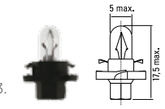


Fig. 4.

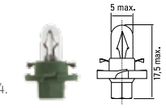


Fig. 5.

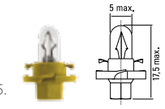


Fig. 6.

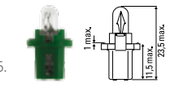


Fig. 7.

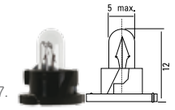


Fig. 8.



Fig. 9.

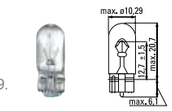


Fig. 10.

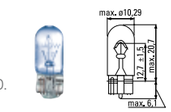


Fig. 11.

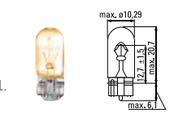
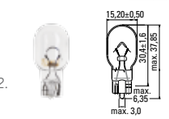


Fig. 12.



Quality - performance - fully replacable with OEM lamps

Heavy Star

24V



24V žárovky pro nákladní automobily s delší životností a zvýšenou robustností

24V Lampen für LKW und Busse mit längerer Lebensdauer und höherer Robustheit

Żarówki 24V o dużej trwałości i wzmocnionej konstrukcji do samochodów ciężarowych i autobusów

24V Truck lamps with longer life and increased robustness.

Type	ECE	W			Fig.	SKU	EAN
Heavy Star - Halogen headlight lamps							
Žárovky do hlavních světlometů Żarówki do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
50320/1U_HDL	H1	70	P14,5s	1/10/100	1	61493	0043168614931
50350U_HDL	H3	70	Pk22s	1/10/200	2	61496	0043168614962
50450HDLU	H4	75/70	P43t	1/10/100	3	61494	0043168614948
58521HDLU	H7	70	Px26d	1/10/100	4	61495	0043168614959
Heavy Star - Miniature lamps							
Žárovky pro obrysová, brzdová a směrová světla Żarowki pozycyjne, stopowe i do kierunkowskazów Blink-, Brems- und Schlußlichtlampen Tail, direction, parking and indicator lamps							
1060HDL	P21W	21	BA15s	10/200	5	77095	0043168770958
				2/20 blister	5	99604	0043168996044
1061HDL	P21W	21	BA15d	10/200	6	77097	0043168770972
1073NAHDL	PY21W	21	BAU15s	10/200	7	77329	0043168773294
2626HDL	R5W	5	BA15d	10/200	8	77336	0043168773362
2627HDL	R5W	5	BA15s	10/200	9	77334	0043168773348
2643HDL	R10W	10	BA15s	10/200	10	77342	0043168773423
2661HDL	T4W	4	BA9S	10/200	11	61485	0043168614856
				2/20 blister	11	99605	0043168996051

Fig. 1.

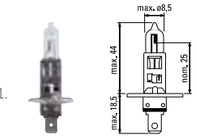


Fig. 2.



Fig. 3.

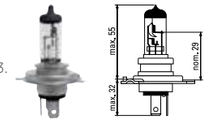


Fig. 4.

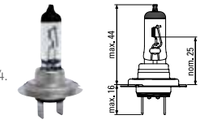


Fig. 5.



Fig. 6.



Fig. 7.



Fig. 8.



Fig. 9.

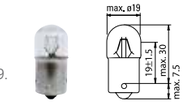


Fig. 10.

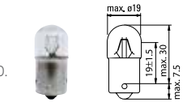


Fig. 11.





	Type	ECE	W			Fig.	SKU	EAN
	Žárovky do hlavních světlometů Żarówki do reflektorów głównych - światła drogowe i mijania Hauptscheinwerferlampen Headlight lamps – upper and lower beam							
H1	50320/1U	H1	70	P14,5s	1/10/100	1	23793	9004102237938
					1/10 blister	1	38679	0043168386791
H3	50350U	H3	70	Pk22s	1/10/200	2	21149	9004102211495
					1/10 blister	2	38674	0043168386746
	50400U Rally*		100	Pk22s	1/10/200	2	38659	0043168386593
H4	50450HU	H4	75/70	P43t	1/10/100	3	38836	0043168388368
					1/10 blister	3	91579	0043168915793
	52080	H4	75/70	P45t	1/10/100	3	43066	9004102237471
	52710U Rally*		100/70	P43t	1/10/100	4	38664	0043168386647
H7	58521U	H7	70	Px26d	1/10/100	5	38838	0043168388382

Rally* - OFF ROAD use only

Fig. 1.

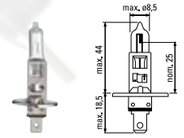


Fig. 2.

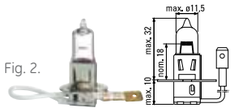


Fig. 3.

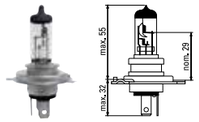


Fig. 4.

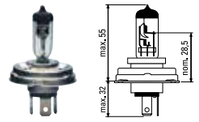
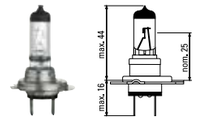


Fig. 5.



Type	ECE	W			Fig.	SKU	EAN
Žárovky pro obrysová, brzdová a směrová světla Żarowki pozycyjne, stopowe i do kierunkowskazów Blink-, Brems- und Schlußlichtlampen Tail, direction, parking and indicator lamps							
1060HD*	P21W	21	BA15s	1/10/200	1	37895	0043168378956
				10/200	1	17222	9004102348849
1061HD*	P21W	21	BA15s	10/200	2	17225	9004102349921
2626HD*	R5W	5	BA15d	10/200	3	17309	9004102349983
2627HD*	R5W	6	BA15s	1/10/200	4	37898	0043168378987
				10/200	4	17311	9004102349396
2643HD*	R10W	10	BA15s	1/10/200	5	37958	0043168379588
				10/200	5	17313	9004102349402
2661HD*	T4W	4	Ba9s	10/200	6	27341	9004102349334

Fig. 1.

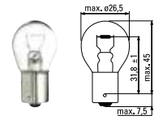


Fig. 2.

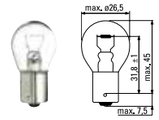


Fig. 3.

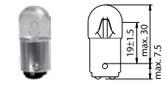


Fig. 4.

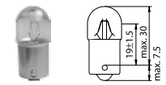
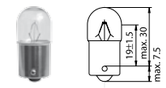
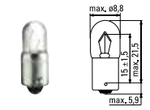


Fig. 5.



* Żárovky Heavy Duty
Żarówki Heavy Duty (HD) wstrzqsoodporne
Heavy-Duty-Lampen
Supported Heavy Duty (HD) lamps

Fig.6.



Quality - performance - fully replacable with OEM lamps

Type	ECE	W			Fig.	SKU	EAN
Žárovky pro obrysová, brzdová a směrová světla Żarowki pozycyjne, stopowe i do kierunkowskazów Blink-, Brems- und Schlußlichtlampen Tail, direction, parking and indicator lamps							
2626	R5W	5	BA15d	10/200	1	17308	9004102349990
2627	R5W	5	BA15s	10/200	2	17310	9004102238294
2643	R10W	10	BA15s	10/200	3	17312	9004102238355
2692	DIN 72601J	3	BA7s	10/200	4	27380	9004102349259
2661	T4W	4	BA9s	10/200	5	27327	9004102238393
2663		2	BA9s	10/200	6	27355	9004102349341
91602		1,2	W2x4,6d	10/200	7	65718	0043168132565
91606		2	W2x4,6d	10/200	7	27879	0043168936538
5302PS*		1,2	B8,5d	1/10/200	8	93442	0043168387774
				10/200	8	13269	0043168132695
91693		1,2	EBS R11	10/200	9	93662	0043168936620
5305	W3W	3	W2,1x9,5d	1/10/200	10	97226	0043168387767
				10/200	10	65830	0043168132619
91622	W5W	5	W2,1x9,5d	10/200	10	65680	0043168936545

* PS - Plastic cap

Fig. 1.

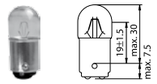


Fig. 2.

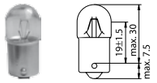


Fig. 3.

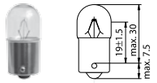


Fig. 4.

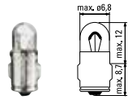


Fig. 5.

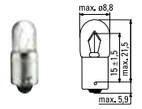


Fig. 6.

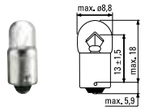


Fig. 7.

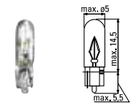


Fig. 8.

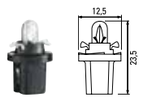


Fig. 9.

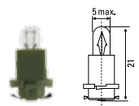
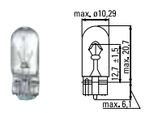


Fig. 10.



Type	ECE	W			Fig.	SKU	EAN
Žárovky pro vnitřní osvětlení Żarówki do oświetlenia wewnętrznego Lampen für Innenbeleuchtung Interior lamps							
7552	C5W	5	SV8,5-8	10/200	1	27773	9004102238454
91716		10	SV8,5-8	10/200	1	73601	0043168936699
7579		5	SV8,5-8	10/200	2	27788	0043168388061
7580		10	SV8,5-8	10/200	2	27795	9004102349419
7594		15	SV8,5-8	10/200	3	27802	0043168388078
7595	DIN 72601K	18	SV8,5-8	10/200	3	27806	0043168388092
Žárovky pro obrysová, brzdová a směrová světla Żarowki pozycyjne, stopowe i do kierunkowskazów Brems-, Blink- und Schlußlichtlampen Tail, stop and direction lamps							
1115		15	BA15s	10/200	4	17238	0043168387422
1117	DIN 72601R	18	BA15s	10/200	4	17240	0043168387446
1060	P21W	21	BA15s	10/200	5	17221	9004102238072
1061	P21W	21	BA15d	10/200	6	17223	9004102349938
1073	PY21W	21	BAU15s	10/200	7	17250	9004102344520
1078	P21/5W	21/5	BAY15d	1/10/200	8	38731	0043168387316
				10/200	8	17232	9004102238133
				2/20 blister	8	38727	0043168387279

Fig. 1.

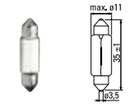


Fig. 2.

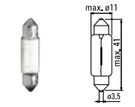


Fig. 3.

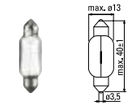


Fig. 4.

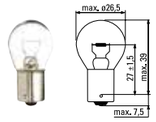


Fig. 5.

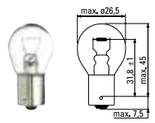


Fig. 6.

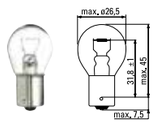


Fig. 7.

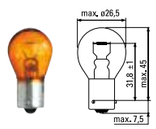
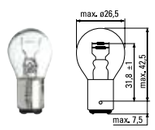


Fig. 8.



Quality - performance - fully replacable with OEM lamps

Lamp kits

Premium "QUAD kits"

CONTENT		SKU	EAN
2XH4 Megalight Ultra +90 + 2X 501NB W5W	1/10	99627	004316899627
2XH7 Megalight Ultra +90 + 2X 501NB W5W	1/10	99628	004316899628
2XH1 Megalight Ultra +90 + 2X 501NB W5W	1/10	99629	004316899629
2XH4 Sportlight+50 + 2X 501NB W5W	1/10	99666	004316899666
2XH7 Sportlight+50 + 2X 501NB W5W	1/10	99667	004316899667
2XH1 Sportlight+50 + 2X 501NB W5W	1/10	99668	004316899668



Servisní krabičky autožárovek a pojistek pro osobní automobily
Zestawy żarówek samochodowych
Ersatzdose
Emergency Kits

CONTENT		SKU	EAN
H4, PY21W, P21/5W, P21W, R5W, C5W, W5W, T4W, normal fuses 10A, 15A, 20A, mini fuses 7,5A, 10A, 20A	1/10	70693	0043168706933
H1, PY21W, P21/5W, P21W, R5W, C5W, W5W, T4W, normal fuses 10A, 15A, 20A, mini fuses 7,5A, 10A, 20A	1/10	70706	0043168707060
H7, PY21W, P21/5W, P21W, R5W, C5W, W5W, T4W, normal fuses 10A, 15A, 20A, mini fuses 7,5A, 10A, 20A	1/10	70694	0043168706940
H1+H7, PY21W, P21/5W, P21W, R5W, C5W, W5W, T4W, normal fuses 10A, 15A, 20A, mini fuses 7,5A, 10A, 20A	1/10	70707	0043168707077
24V H1+H7, PY21W, P21/5W, P21W, R5W, C5W, W5W, T4W, normal fuses 10A, 15A, 20A, mini fuses 7,5A, 10A, 20A	1/10	96754	0043168967549
H1, P21/5W, P21W, R5W, C5W, fuses 10A, 15A, 20A	1/10	92751	0043168927512
H4, P21/5W, P21W, R5W, C5W, fuses 10A, 15A, 20A	1/10	92752	0043168927529
H7, P21/5W, P21W, R5W, C5W, fuses 10A, 15A, 20A	1/10	92753	0043168927536
H1+H7, P21/5W, P21W, R5W, C5W, fuses 10A, 15A, 20A	1/10	92755	0043168927550





Displays

GE wall displays Vacuum formed plastic body and positions for boxes, foam insert for miniature lamps

Defined content for 161 lamps - main halogens and miniatures. Shipped as empty (sku 88653) or filled (sku 82881).



Defined content for 121 lamps - main halogens and miniatures. Shipped as empty (sku 98416).



GE wall cupboards Vacuum formed plastic body, including lamp tester



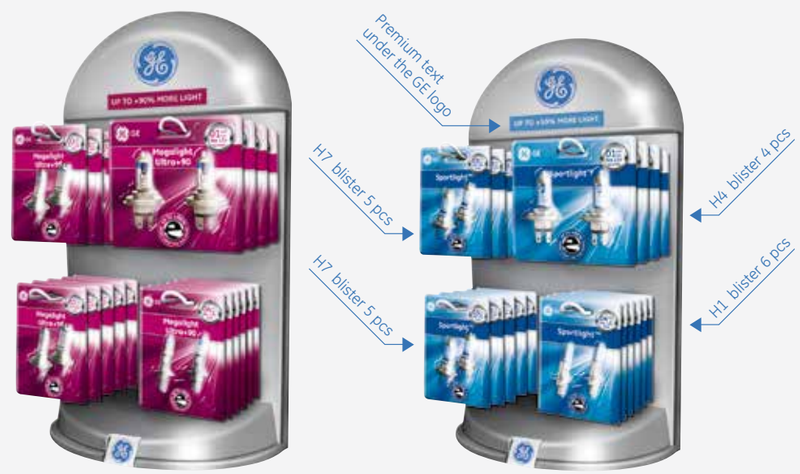
Defined content for 591 lamps - main halogens and miniatures.
Shipped as empty (sku 64983) or filled (sku 65234).



Defined content for 680 lamps main halogens and miniatures.
Shipped as empty (sku 98417).

GE wall or counter display

Type	Code
Empty display	75040
Sportlight	75041
Megalight Ultra	75042



Balení – Opakowania – Verpackungen – Packaging

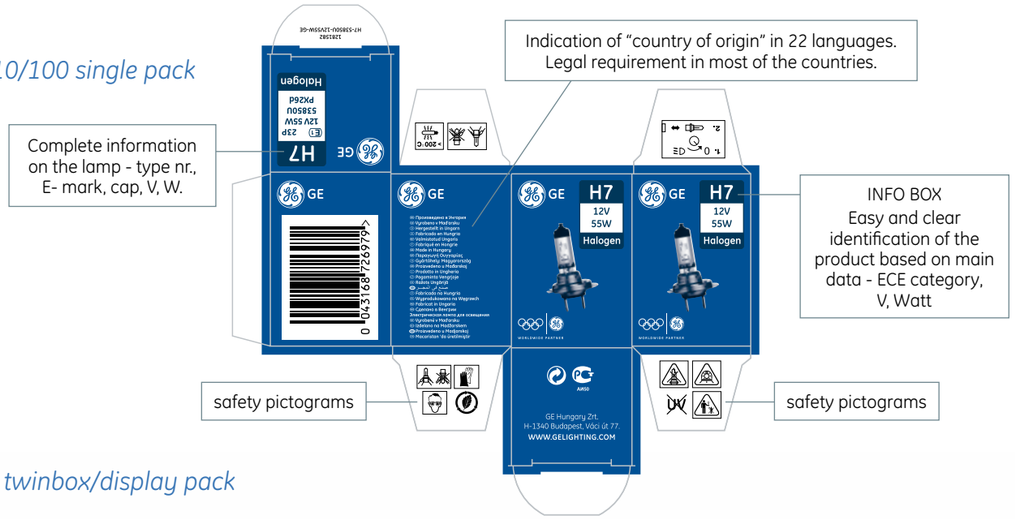
GE auto aftermarket pack concept

GE Lighting – has been a leading supplier to Automotive OEM and Aftermarket customers throughout the world for many decades. We continue our pioneering work to offer advanced solutions and benefits that can fulfill our customers' needs.

Our brand is the symbol of our heritage, and of the quality and trust we have delivered to our customers. It embodies our commitment to anticipate and meet their changing needs. It represents the imagination we use to address those needs in a manner that reflects our values.

As a result of continuous efforts to fulfill our customers' changing needs - GE has developed the aftermarket packaging concept. The main objective of our redesigned packaging is to enhance the shopping experience and drive upsell.

1/10/100 single pack



GE twinbox/display pack



GE 10-way pack

GE Blister

Our redesigned blister pack has the following advantages:

GLOBAL: packages reflect a "world view", display the elements of environmental and regulatory requirements, use multiple languages

TRUSTED: make the purchase easier and clearer, simplified messaging that is repeated on all platforms

PRECISE: package information is clear and states features prominently

APPROACHABLE, SIMPLE: Easy to understand and right for the purchaser, helping them to decide which product is good for them. Provides differentiation between standard range and premium ranges by using color coding.



Info circle with simplified nr. that allows quick search/identification in the GE lampguide. Clear and simple information on the specific product

original equipment logo + translation in 8 languages, emphasizing GE OEM presence

description of the lamp function in 10 languages

country of origin in 22 languages

safety pictograms

lamp drawing with E-mark

Colour coded packages tied directly to POS messaging for easy identification:

STANDARD range - describe the standard categories, D2 discharge, 12V-24V halogen and miniature lamps

PREMIUM range with feature/benefit logo, explain how one product differs from another, and why it is most appropriate for its task - rationalize the move to upsell in the halogen and miniature lamp categories

Standard ranges

- D2 gas discharge lamps
- 12V halogen and miniature lamps
- 24V halogen and miniature lamps

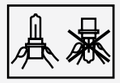
Premium ranges

- Megalight ultra +120
- Megalight ultra +90
- Megalight plus 50
- Sportlight
- Extra life
- Heavy Star
- Rally
- Motorcycle

GE Blister range

Product Code	Type	Designation	Simplified number	Lamp in blister	Wattage	Volt	EAN code
17119	50310U	H1	04	1	55W	12V	0043168354301
19758	50310MPU	H1 Megalight Plus 50	04MPU	2	55W	12V	0043168197588
96948	50310XU	H1 Megalight Ultra - Plus 90	04XU	2	55W	12V	0043168969482
98266	50310NU	H1 Megalight Ultra - Plus 120	04NU	2	55W	12V	0043168982665
19685	50310LU_DPU	H1 Extra Life	04DPU	2	55W	12V	0043168196857
73343	50310NHSU	H1 Sportlight	04NHSU	2	55W	12V	0043168908344
35434	52140U	H1 Rally - offroad	104	1	100W	12V	0043168354349
38679	50320U	H1	74	1	70W	24V	0043168386791
17117	50340U	H3	05	1	55W	12V	0043168354325
37963	52130U	H3 Rally - offroad	105	1	100W	12V	0043168379632
38674	50350U	H3	75	1	70W	24V	0043168386746
17123	58520U	H7	03	1	55W	12V	0043166354356
97131	58320NHSU	H7 Sportlight	03NHSU	2	55W	12V	0043168887892
19759	58520MPU	H7 Megalight Plus 50	03MPU	2	55W	12V	0043168197595
74154	58520SXU	H7 Megalight Ultra - Plus 90	03SXU	2	55W	12V	0043168741545
98282	58520SNU	H7 Megalight Ultra - Plus 120	03SNU	2	55W	12V	0043168982825
19686	58520LU_DPU	H7 Extra Life	03DPU	2	55W	12V	0003168196864
45691	58521U	H7 24V	77	1	70W	24V	0043168456913
17120	50440U	H4	01	1	60/55W	12V	0043168354417
35930	50440U	H4	01	2	60/55W	12V	0043168359306
91579	50450U	H4	71	1	60/55W	24V	0043168915793
93361	50440MPU	H4 Megalight Plus 60	01MPU	2	60/55W	12V	0043168933612
74153	50440SXU	H4 Megalight Ultra - Plus 90	01SXU	2	60/55W	12V	0043168741538
98281	50440SNU	H4 Megalight Ultra - Plus 120	01SNU	2	60/55W	12V	0043168982818
19682	50440LU_DPU	H4 Extra Life	01DPU	2	60/55W	12V	0043168196826
97132	53800NHSU	H4 Sportlight	01NHSU	2	60/55W	12V	0043168887908
18266	53060U	HB3	07	1	60W	12V	0043168182669
18267	53070U	HB4	09	1	51W	12V	0043168182676
18254	53090U	H8	13	1	35W	12V	0043168182546
18256	53100U	H9	15	1	65W	12V	0043168182560
60957	53110U	H11	16	1	55W	12V	0043168609579
17131	1057	P21W	21	2	21W	12V	0043168354066
23284	1057LFD	P21W Extra Life	21D	2	21W	12V	0043168232845
99604	1060HDL	P21W Heavy Star	81HDL	2	21W	24V	0043168996044
17130	1077	P21/5W	23	2	21/5W	12V	0043168354097
23285	1077LFD	P21/5W Extra Life	23D	2	21/5W	12V	0043168232852
38727	1078	P21/5W	93	2	21/5W	24V	0043168387279
38728	1098	20/5W	48	2	20/5W	12V	0043168387286
35931	1122	P21/4W	20	2	21/4W	12V	0043168359313
37969	1157	1157 ANSI	39	2	32/3W	12V	0043168379694
17133	1056	PY21W	22	2	21W	12V	0043168354073
17136	2619	R5W	24	2	5W	12V	0043168353984
23286	2619LFD	R5W Extra Life	24D	2	5W	12V	0043168232869
17137	2662	T4W	26	2	4W	12V	0043168354509
23292	2662LFD	T4W Extra Life	26D	2	4W	12V	0043168232920
17134	2641	R10W	30	2	10W	12V	0043168354059
37960	2660	2660	38	2	2W	12V	0043168379601
99605	2661HDL	T4W Heavy Star	86HDL	2	4W	24V	0043168996051
38855	2696	72601J	47	2	2W	12V	0043168388559
39462	5301PS	W1,2W	60	2	1,2W	12V	0043168394628
35451	5301	W1,2W	29	2	1,2W	12V	0043168354516
35452	5304	W3W	27	2	3W	12V	0043168354523
17138	501	W5W	28	2	5W	12V	0043168354530
90199	501A	WY5W	33	2	5W	12V	0043168901994
17129	7546	C5W	25	2	5W	12V	0043168354608
23308	7546LFD	C5W Extra Life	25D	2	5W	12V	0043168233088
37956	7575	7575	40	2	5W	12V	0043168379564
35463	7576	DIN 72601K	31	2	10W	12V	0043168354639
39459	7585	7585	32	2	10W	12V	0043168394598
38803	7592	72601K	42	2	15W	12V	0043168388030
38804	7593	72601K	43	2	18W	12V	0043168388047
38850	52830	H6W	62	1	6W	12V	0043168388504
93447	7440	W21W	50	2	21W	12V	0043168934473
512863	7443	W21/5W	49	2	21/5W	12V	5994101128631
76091	7440NA	WY21W	51	2	21W	12V	0043168760911

Symbols used on the packaging


Do not touch with bare fingers


No disposal of as household waste


For removal and installation use appropriate eye protection


Dangerous voltage


Installation and servicing of electronic device only by qualified electrical employees


For removal and installation use appropriate gloves


Read attached instructions before use

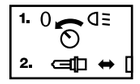

Operation only in luminaire installations with protective shield


Don't let children play with bulbs


No operation of lamps with scratched or damaged glass bulb



Beware of temperature



Switch off light before re-lamping

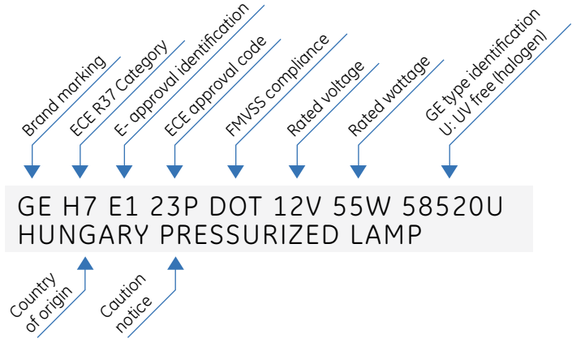

Not suitable for household use


Use as vehicle lamp
12V or 24V

Base stamps on the GE automotive lamps

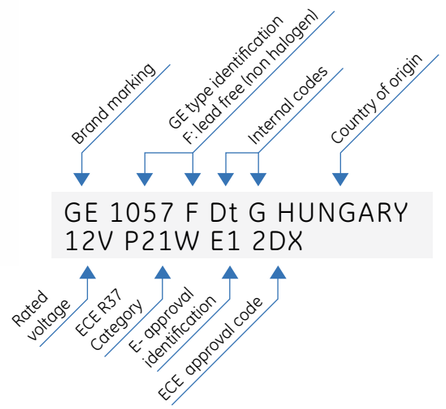
Halogen auto lamp marking



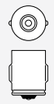


Miniature auto lamp marking



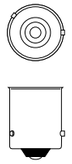


Patice žárovek – Trzonki do żarówek – Sockelübersicht – Lamp bases

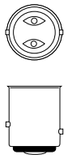

BA7s


BA9s

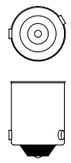

BA15s


BAU15s

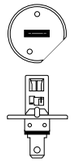

BA15d

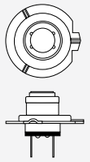

BAY15d

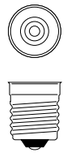

BAZ15d

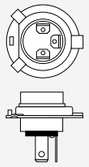

BAX9s


P14,5s/R

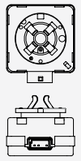

P14,5s

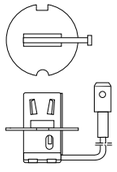

PX26d

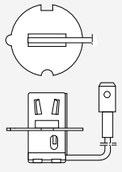

E10

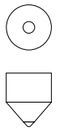

P43t

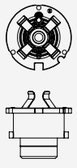

P45t

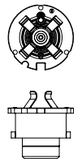

PK32d-2

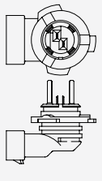

PK22s

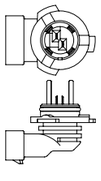

PK22s/R

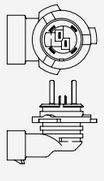

SV8,5


P32d-2

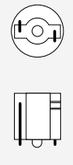

P32d-3

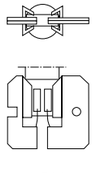

PY20d

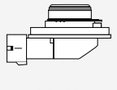

P20d


P22d


W2,1x9,5d


W2x4,6d


X511


PGJ19

Contacts

www.ge.com/lighting

ALBANIA, MACEDONIA
VSD Merkur d.o.o
Sales Representative of GE Hungary Kft.
ul. Vasil Glavinov 7b/3
1000 Skopje
MACEDONIA
Tel.: (389) 2 3244 790
Fax: (389) 2 3244 797

ARGENTINA, PARAGUAY, URUGUAY
GE Consumer & Industrial Argentina S.A.
Edificio Laminar Plaza Ing. Enrique Butty 240,
Piso 11 – (C1001AFB)- Buenos Aires
ARGENTINA
CUIT: 30-67992375-3
Tel.: 0810 122 GECI (4324)

AUSTRALIA
GE Lighting Australia Ltd.
125-127 Long Street
Smithfield, Sydney, NSW 2164
AUSTRALIA
Tel.: (61) 2 8788 6911
Fax: (61) 2 8788 7224

BOSNIA AND HERZEGOVINA, CROATIA, SLOVENIA
Media Light d.o.o
Exclusive agent of GE Hungary Kft.
Lighting and Power Protection
Cesta na Brdo 109
1000 Ljubljana
SLOVENIA
Tel.: (386) 1 5304366
Fax: (386) 1 5304361

BRAZIL
GE Iluminação do Brasil
CENESP - Av. Maria Coelho Aguiar, 215
Bloco G, Piso Jardim, Jd São Luiz
São Paulo, SP, 05804-900
BRAZIL
Tel.: (55) 11 3614 1700
Fax: (55) 11 3614 1825

BULGARIA
VSD MERKUR e.o.o.d
Sales Representative of GE Hungary Kft.
Office 31, entr. 4
2 Nikolai Haitov str.
1113 Sofia
BULGARIA
Tel.: (359) 2 8705586

CANADA
GE Lighting Canada
2300 Meadowvale Blvd. (C63)
Mississauga, ON L5N 5P9,
CANADA
Tel.: (1) 905 858 6724
Fax: (1) 905 858 6602

CARIBBEAN & CENTRAL AMERICA
General Electric Company
790 N.W.107 Avenue, Suite 204
Miami, Florida 33172
USA
Tel.: (1) 305 551 5114
Fax: (1) 305 551 5116

CHILE, BOLIVIA
General Electric de Chile S.A.
Avenida Vicuña Mackenna 2385,
Santiago
CHILE
Tel.: (56) 6 2 652 65 66

CHINA
GE Asia Headquarters
GE Lighting Co.,Ltd.
7 floor, Building 1, No.1. Hua Tuo Rd.
Zhang Jiang Hi-Tech Park
Pudong, Shanghai 201203
CHINA
Tel.: (86) 21 3877 7888
Fax: (86) 21 3877 7437

COLOMBIA, ECUADOR
GE International Inc. Sucursal Colombia
Calle 113 No.7 -80 Torre AR Oficina 1001
Bogotá D.C.
COLOMBIA
Tel.: (57) 1 742 5660
Fax: (57) 1 742 5569

CZECH REPUBLIC
GE International, Inc.
Bucharova 2641/14
158 00 Praha 5
CZECH REPUBLIC
Tel.: (420) 602 115 021

DENMARK
GE Lighting A/S
Park Alle 295
2605 Bröndby
DENMARK
Tel.: (45) 8040 4945
Fax: (45) 8040 4947

FINLAND
GE consumer and Industrial Oy
Kuortaneenkatu 2, 5krs
PL 620, 00031 GE – Helsinki
FINLAND
Tel.: (358) 10394 2507
Fax: (358) 10394 2515

FRANCE, BELGIUM, LUXEMBOURG, NORTH AFRICA
GE Lighting SARL
ZAC Paris Nord II
13, rue de la Perdrix
B.P. 50073, 95947 Roissy DCG Cedex.
FRANCE
Tel.: (33) 1 48 63 68 00
Fax: (33) 1 48 63 68 08

GERMANY, AUSTRIA, SWITZERLAND, NETHERLANDS
GE Lighting GmbH
Thomas-Edison-Platz 1
63263 Neu-Isenburg
GERMANY
Tel.: (49) 594398 4581
Fax: (49) 594398 4582

GHANA, LYBIA, NIGERIA, ISRAEL
GE Hungary Kft.
1044 Budapest, Váci út 77.
HUNGARY
Tel.: (36) 1 447 6176
Fax: (36) 1 447 5463

GREECE, CYPRUS, MALTA
General Electric Medical Systems SA
8-10 Sorou Str.
Marousi, Athens 15125
GREECE
Tel.: (30) 210 8930 600
Fax: (30) 962 5931

HONG KONG
GE International Operations Co. Inc.
8th Floor, The Lee Gardens
33 Hysan Avenue
Causeway Bay
HONG KONG
Tel.: (852) 2100 6800
Fax: (852) 2376 0013

HUNGARY, SLOVAKIA
GE Hungary Kft.
1044 Budapest
Váci út 77.
HUNGARY
Tel.: (36) 1 399 1100
Fax: (36) 1 399 1672

INDIA, SRI LANKA
GE India Industrial Pvt Ltd.
73/1, 7th Floor, Summit B
Brigade Metropolis, Garudacharpalya
Mahadevapura Post
Bangalore – 560048
Karnataka
INDIA
Tel.: (91) 80 4930 8000
Fax: (91) 80 4930 8800/ 4930 8027

INDONESIA
PT.GE Lighting Indonesia
Gedung BRI II, 26th Floor
Jl. Jend Sudirman Kav. 44-46
Jakarta 10210
INDONESIA
Tel.: (62) 21 573 0490
Fax: (62) 21 574 5241

IRELAND
GE Lighting Ltd.
280 Holly Road
Western Industrial Estate
Naas Road
Dublin 12
IRELAND
Tel.: (353) 1 456 5591
Fax: (353) 1 450 4142

ITALY
GE Lighting Srl
Centro Direzionale Colleoni
Via Paracelso16
20864 Agrate Brianza (MB)
ITALY
Tel.: (39) 348 2735591
Fax: (39) 800784747

JAPAN
GE Consumer Products Japan, Ltd.
12 F Akasaka Park Bldg., 5-2-20
Tokyo 107-6112
JAPAN
Tel.: (81) 3 5544 6700
Fax: (81) 3 5544 6760

KOREA
GE Lighting Korea Ltd.
9F, POBA Gangnam Tower, 119
Nonhyeon-dong, Gangnam-gu,
Seoul, KOREA 135820
Tel.: (82) 2 6201 4300
Fax: (82) 2 6201 4343, 4344

MALAYSIA
GE Lighting Malaysia
Level 6, 1 Sentral, Jalan Travers,
Kuala Lumpur Sentral,
50470 Kuala Lumpur
MALAYSIA
Tel.: +603 2260 8678
Fax: +603 2273 3473

MEXICO
GE Commercial Materials
S.de R.L. de C.V.
Av. Churubusco No 3900 Norte
Apartado Postal 216
64517 Monterrey N.L. México
MEXICO
Tel.: (52) 8 318 5600
Fax: (52) 8 318 5693

MIDDLE EAST, EGYPT & PAKISTAN
GE International Inc.
City Tower II, Sheikh Zayed Rd.
P.O. Box 11549, Dubai
UAE
Tel.: (971) 4 3131 202
Fax: (971) 4 3310 053

NEW ZEALAND
GE Lighting New Zealand
8 Tangihua St
Auckland 1010
NEW ZEALAND
Tel.: (64) 9 353 6706
Fax: (64) 9 353 6707

NORWAY
GE Lighting AS
Karenslyst Allé 2, 0214 Oslo
NORWAY
Tel.: (47) 80 01 13 21
Fax: (47) 80 01 10 48

PERU
GE Lighting Peru SA
Calle Amador Merino
Reyna #267 Of. 902
Lima 18
PERÚ
Tel.: (511) 610 5357
RUC 20256466652

PHILIPPINES
GE Lighting Philippines Inc.
1873 P. Domingo Street
1207 Makati City, Metro Malina
PHILIPPINES
Tel.: (63) 2 895 7051 to 53
Fax: (63) 2 325 0377

POLAND
GE Power Controls Sp. z o.o.
Ul. Leszczynska 6
43-300 Bielsko Biala
POLAND
Tel.: (48) 22 519 76 00
Fax: (48) 22 519 76 02

ROMANIA, MOLDOVA
SC VSD Merkur Lighting Group SRL
Sales Representative of GE Hungary Kft.
0407280 Floresti, Jud. Cluj
Str. Gheorghe Doja, Bl. 13, Ap. 1
ROMANIA
Tel.: (40) 726 279 722
Fax: (40) 727 599 235

RUSSIA, ESTONIA, LATVIA, LITHUANIA, UKRAINE, KAZAHSTAN
OOO "GE RUS",
Electrozavodskaya str.,
Build. 27/7
107023 Moscow,
RUSSIA
Tel.: +79169940769
Fax: +74959371112

SERBIA, MONTENEGRO
VSD MERKUR GROUP d.o.o.
Sales Representative of GE Hungary Kft.
Bulevar Mihajla Pupina 10D/105
11070 Novi Beograd
SERBIA
Tel.: (381) 11 311 9257

SINGAPORE
GE Pacific Pte. Ltd.
240 Tanjong Pagar Road
#06-00 GE Tower
Singapore 088540
SINGAPORE
Tel.: (65) 6326 3319
Fax: (65) 6326 3227

SOUTH AFRICA
GE South Africa – Lighting
Unit 4, 130 Gazelle Avenue,
Corporate Park, Midrand 1685
SOUTH AFRICA
Tel.: (27) 11 237 0000
Fax: (27) 11 314 7518

SPAIN, PORTUGAL
GE Lighting / Appliances España, S.A.,
Roselló i Porcel, 21 - planta 11
Edificio Meridian
08016 - Barcelona
SPAIN
Freephone in Spain: 900 984 997
Free fax in Spain: 900 993 609

SWEDEN
GE Lighting
Vendevägen 89
N182 82 Stockholm
SWEDEN
Tel.: (46) 08 51 99 22 12
Fax: (46) 08 51 99 22 14

TAIWAN
GE Lighting Taiwan
6FL, No 8, Sec 3, Min Sheng E. Rd,
Taipei, 104,
TAIWAN
Tel.: (886) 2 2183 7000
Fax: (886) 2 2516 7356

THAILAND
GE Lighting (Thailand) Ltd.
27th floor, CRC Tower, All Seasons Place
87/2 Wireless Road, Lumpini,
Pathurnwan, Bangkok, 10330
THAILAND
Tel.: (66) 2 250 0820-4
Fax: (66) 2 250 0825

TURKEY
Sun Plaza, Dereboyu Cad.
Bilim Sok. No:5 K:6
34398 Maslak, Istanbul
TURKIYE
Tel.: (90) 212 366 28 00
Fax: (90) 212 366 28 40

UNITED KINGDOM
GE Lighting Ltd
Houghton Centre
Salthouse Road
Brackmils
Northampton NN4 7EX
UNITED KINGDOM
Tel.: (44) 7920 711761
Fax: (44) 1543 876908

UNITED STATES OF AMERICA
GE Lighting
Nela Park, 1975 Noble Road
Cleveland, Ohio 44112
USA
Tel.: (1) 216 266 2121
Fax: (1) 216 266 2780

VENEZUELA
GE Iluminación de Venezuela
"GEISA", S.A.
Avenida Principal de las Mercedes con
Calle Guaicaipuro Torre Forum Piso 15
El Rosal Caracas
VENEZUELA
Tel.: (58) 212 9014147
Fax: (58) 212 9014103

VIETNAM
GE Pacific Pte ltd.
7fl, Saigon Center 65 Le Loi
Boulevard, Dist. 1.
HoChiMinh City
VIETNAM
Tel.: (84) 8 3914 6491
Fax: (84) 8 3827 8229

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted by law.

All lamp drawings are a guide, if further technical details are required please contact your nearest sales office.

General conditions of sale
GE Lighting products are supplied according to GE's General Conditions of Sale. If you require a copy of these conditions please contact your nearest GE Lighting sales office.

Prices
A price list is available from all GE Lighting sales offices.

www.gelighting.com/eu

and General Electric are both registered trademarks of the General Electric Company

03/2013

TUNGSRAM













Autólámpa katalógus
Katalog Żarówek Samochodowych
Katalog autožárovek
Automotive Lamp Catalogue

A GE Hungary Kft. Tungsram márkával – más egyéb márkákkal egyetemben – Európa egyik legnagyobb járműlámpa-választékát kínálja Önnek. Lámpáink kitűnő minősége a legjobb kutatási és fejlesztési eredmények széleskörű alkalmazásának és a modern laboratóriumokban dolgozó, magasan képzett szakembergárdának köszönhető.

Minőségi célkitűzésünk a selejtmentes gyártás, melynek előfeltétele, hogy a minőségi paramétereket már a termék tervezésekor figyelembe vegyük - ez lehetővé teszi, hogy alkalmasságuk, minőségük és megbízhatóságuk éppoly magas színvonalú legyen, mint gyártástechnológiájuk.

Lámpáinkat szigorú nemzetközi szabványok szerint gyártjuk, és az ECE (United Nations Economic Commission for Europe) előírásainak, illetve más (DIN, ANSI) szabványoknak megfelelő bélyegzéssel látjuk el őket.

GE Hungary Kft. Tungsram Lighting nabízí jeden z největších sortimentů automobilových žárovek v Evropě. Vysoké kvality autožárovek dosahujeme neustálým uplatňováním nejnovějších výsledků výzkumu a vývoje získaných špičkovými odborníky pracujícími v nejmodernějších laboratořích.

Naším trvalým cílem je výroba s nulovou zmetkovitostí. Podmínkou dosažení tohoto cíle je promítnutí požadavků na kvalitu již do konstrukce žárovek, což umožňuje, aby užitné vlastnosti, kvalita a spolehlivost našich výrobků byly na nejvyšší úrovni, kterou moderní technologie umožňují.

Naše žárovky jsou vyráběny a příslušně označeny podle nejpřísnějších mezinárodních norem jako např. norem ECE, DIN, ANSI atd.

GE Hungary Kft. Tungsram Lighting oferuje jeden z najbardziej różnorodnych zakresów typów żarówek samochodowych w Europie. Znakomita jakość naszych żarówek wynika z zastosowania najnowszych osiągnięć badań naukowych prowadzonych w naszych nowoczesnych laboratoriach przez wysoko wykwalifikowany personel techniczny.

Nieustającym dążeniem TUNGSRAM'a jest osiągnięcie poziomu jakości określanego jako "Zero Defektów". Zadanie to wymaga zaangażowania się w jakość już w procesie projektowania żarówek tak aby uzyskać wysoką jakość produktów i ich taką niezawodność, na jaką pozwala nowoczesna technologia.

Nasze żarówki produkowane są wg. wymagających Standardów międzynarodowych i są odpowiednio oznaczane jako zgodne z Regulaminem ECE lub innymi Standardami (np. DIN, ANSI).

GE Hungary Kft. offers, along with the Tungsram brand, one of Europe's largest range of vehicle lamps. Their superior quality is achieved by extensive use of the latest research and development with highly qualified technical personnel working in modern laboratories.

Our constant quality aim is Zero Defects. This involves designing quality into the lamps leading to suitability and reliability with a high standard of quality equalling that of the manufacturing technologies.

Our lamps are manufactured to strict international standards and appropriately marked in conformance with E.C.E. regulations or with other Standards (DIN, ANSI).

Certification

A cég több világszerte ismert autógyár jóváhagyási listáján szerepel, ahol a magas minőség és teljesítmény alapkövetelmény. Az autólámpák megbízhatóságát és minőségét az alábbiak biztosítják:
- Számítógép vezérelt és ellenőrzött tervezési folyamatok
- Teljesen automata gyártósorok
- Magas szintű minőségbiztosítási rendszer
- Folyamatos beruházási programok
- Elkötelezettség a folyamatos fejlődés irányába

Nasza firma posiada certyfikaty wielu światowych producentów samochodów, dla których jakość oraz parametry są zasadniczymi elementami kwalifikacji. Wysoka jakość naszych żarówek samochodowych jest zapewniana przez:
- Proces produkcyjny sterowany i kontrolowany komputerowo
- Całkowice zautomatyzowane linie produkcyjne
- Wysoki poziom systemu zapewnienia jakości

Společnost je na schváleném seznamu mnoha světových výrobců automobilů, u kterých je klíčovým měřítkem kvalita a výkonnost. Spolehlivá kvalita automobilových žárovek je zaručena:
- počítačově řízeným a kontrolovaným konstrukčním procesem
- plně automatizovanými výrobními linkami
- vysokou úrovní systému zajištění kvality.

The company is on the Approval list of many of the worlds car manufacturers, where quality and performance are key measurements. The reliability and quality of automotive lamps is ensured by:
- Computer-managed and controlled design process
- Fully automated production lines
- High level of quality assurance system
- Continued investment programs
- A commitment to continuous improvement





ISO 9001, ISO TS 16949,
ISO 14001

E1 ECE R37

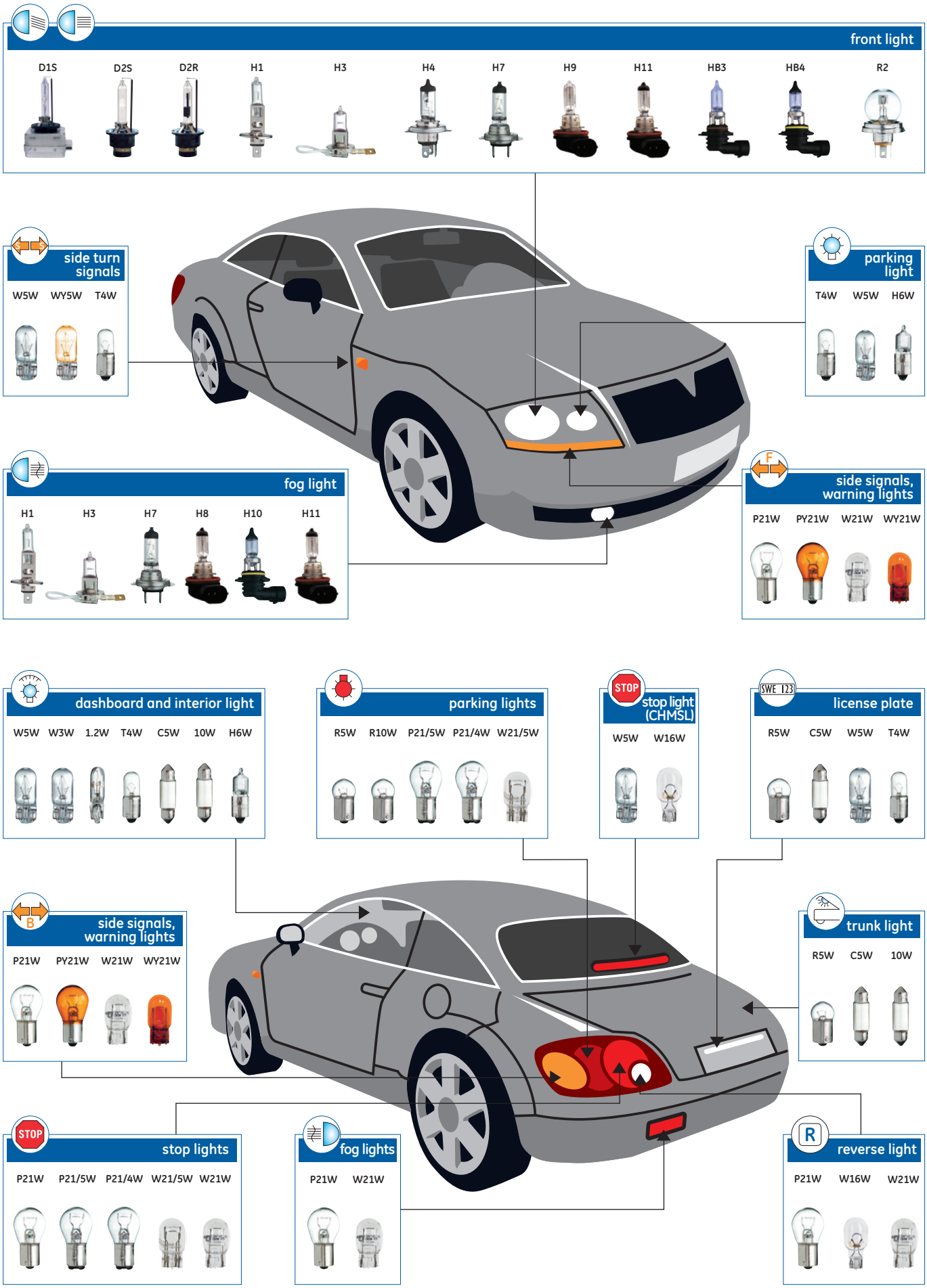
UV Csökkentett UV kibocsátás - műanyag fényszóróban használható

Szkło z filtrem UV

Bez UV

Use of UV cut glass, safe for use in plastic headlights

Automotive Lamps



Tartalom

Spis treści - Obsah - Contents

Bevezető, Tartalom, Jelmagyarázat
Wprowadzenie, Spis treści, Legenda
Úvod, Obsah, Legenda
Introduction, Content, Legend 3-5

12V Halogén Fényszórólámpák
12V Żarowki halogenowe do świateł drogowych
12V Halogenové žárovky do hlavních světlometů
12V Halogen headlight lamps 6-7

MEGALIGHT ULTRA +120 8-9

MEGALIGHT ULTRA +90 10-11

MEGALIGHT PLUS 12-13

SPORTLIGHT 14-15

RALLY - OFF ROAD 16-17

12V Kétfonalú, aszimmetrikus fényszórólámpák
12V Dwuświatłowe halogenowe żarówki asymetryczne do reflektorów samochodowych
12V Dvouvláknové asymetrické žárovky do hlavních světlometů
12V Double Filament Asymmetrical Halogen Headlight Lamps 18

12V Egyfonalú halogén fényszórólámpák
12V Jednoświatłowe żarówki halogenowe do reflektorów samochodowych
12V Jednovláknové halogenové žárovky do hlavních světlometů
12V Single Filament Halogen Headlight Lamps 19

Segédvilágítási lámpák
Żarówki pomocnicze - Miniaturní nebo pomocné žárovky - Miniature lamps 20

12V Kétfonalú fék- és hátsó helyzetjelző lámpák
12V Dwuświatłowe żarówki do świateł stop i pozycyjnych
12V Dvouvláknové žárovky pro brzdová a obrysová světla
12V Double Filament Stop and Tail Light Lamps 21

12V Egyfonalú fék-, villogó-, tolató- és ködlámpák
12V Jednoświatłowe żarówki do kierunkowskazów, świateł, stop, cofania i przeciwmgielnych
12V Jednovláknové žárovky pro brzdová, směrová, zpětná a mlhová světla
12V Single Filament Stop, Direction, Reverse and Fog Light Lamps 21

12V Hátsó helyzetjelző-, parkoló-, műszerfal-, rendszámtábla- és utastéri lámpák
12V Żarówki do świateł pozycyjnych, parkowania, ostrzegawczych, do oświetlenia wewnętrznego i wskaźnikow
12V Žárovky do zadních obrysových a parkovacích světel, pro osvětlení přístrojové desky, výstražnou signalizaci a vnitřní osvětlení
12V Tail, Parking, Indicator, Warning and Interior Lamps 22

12V Hátsó helyzetjelző-, parkoló-, műszerfal-, rendszámtábla- és utastéri lámpák - üvegfejű kivitelben
12V Żarówki do świateł pozycyjnych, parkowania, ostrzegawczych, do oświetlenia wewnętrznego i wskaźnikow - całoszklane
12V Žárovky do zadních obrysových a parkovacích světel, pro osvětlení přístrojové desky, výstražnou signalizaci a vnitřní osvětlení - se skleněnou paticí
12V Tail, Parking, Indicator, Warning and Interior Lamps - with Wedge Cap 22

12V Hátsó helyzetjelző-, parkoló-, műszerfal-, rendszámtábla- és utastéri lámpák - szoffita kivitelben
12V Żarówki do świateł pozycyjnych, parkowania, ostrzegawczych, do oświetlenia wewnętrznego i wskaźnikow - rurkowe
12V Žárovky do zadních obrysových a parkovacích světel, pro osvětlení přístrojové desky, výstražnou signalizaci a vnitřní osvětlení - sufitové
12V Tail, Parking, Indicator, Warning and Interior Lamps - in Festoon Form 23

12V Halogén miniatűr utastéri lámpák
12V Miniaturowe żarówki halogenowe do oświetlenia wewnętrznego
12V Halogenové trpasličí žárovky pro vnitřní osvětlení
12V Halogen Miniature Interior Lamps 23

24V-os lámpák teherautókhoz és buszokhoz
24V żąrówki do samochodów ciężarowych
24V žárovky pro nákladní automobily
24V Automotive Lamps 24

Kétfonalú, aszimmetrikus fényszórólámpák
Dwuświatłowe żarówki asymetryczne do reflektorów samochodowych
Dvouvláknové asymetrické žárovky do hlavních světlometů
Double Filament Asymmetrical Headlight Lamps 25

Egyfonalú halogén fényszórólámpák
Jednoświatłowe żarówki halogenowe do reflektorów samochodowych
Jednovláknové halogenové žárovky do hlavních světlometů
Single Filament Halogen Headlight Lamps 25

24V Kétfonalú fék- és hátsó helyzetjelző lámpák
24V Dwuświatłowe żarówki do świateł stop i pozycyjnych
24V Dvouvláknové žárovky pro brzdová a obrysová světla
24V Double Filament Stop and Tail Light Lamps 26

24V Egyfonalú fék-, villogó-, tolató- és ködlámpák
24V Jednoświatłowe żarówki do kierunkowskazów, świateł, stop, cofania i przeciwmgielnych
24V Jednovláknové žárovky pro brzdová, směrová, zpětná a mlhová světla
24V Single Filament Stop, Direction, Reverse and Fog Light Lamps 26

24V Hátsó helyzetjelző-, parkoló-, műszerfal-, rendszámtábla- és utastéri lámpák
24V Żarówki do świateł pozycyjnych, parkowania, ostrzegawczych, do oświetlenia wewnętrznego i wskaźnikow
24V Žárovky do zadních obrysových a parkovacích světel, pro osvětlení přístrojové desky, výstražnou signalizaci a vnitřní osvětlení
24V Tail, Parking, Indicator, Warning and Interior Lamps 27

Tartaléklámpa-dobozok
Zestawy żarówek samochodowych
Servisní krabičky autožárovek a pojistek pro osobní automobily
Spare Part Boxes 28

Autólámpa kínálók
Ekspozytor
Display
Display 29

Csomagolás
Opakowania
Balení
Packaging 30

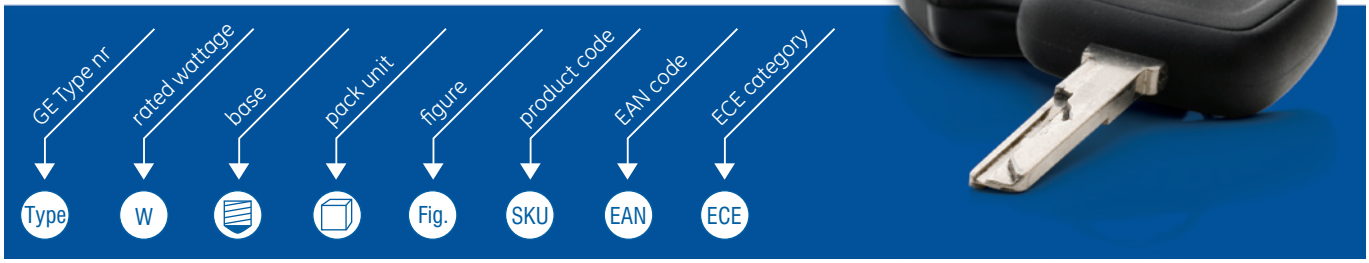
Jelzések
Piktogramy
Piktogramy
Symbols 31

Bélyegzés a lámpa fejen
Oznaczenia na trzonkach żarówek
Značení na paticích
Base stamps 32

Fej
Trzonek
Patice
Cap 33

Kapcsolat
Kontakty
Kontakty
Contacts 34-35

Jelmagyarázat - Legend - Legenda - Legend





Halogén Fényszórólámpák

Żarowki halogenowe do świateł drogowych - Halogenové žárovky do hlavních světlometů - Halogen headlight lamps

Az alap autólámpa skála mellett, speciális konstrukciójú ún. „prémium" típusok is megtalálhatók választékunkban.
Prémium választékunk:
• Extra Life - hosszú élettartamú típusok
• Megalight Plus és Megalight Ultra - magasabb luminanciájú, több fényt adó lámpák
• Sportlight - kékes fehér fényű, magasabb színhőmérsékletű lámpa család
• Rally - magas wattítású lámpák - országúti forgalomban nem használhatók (rally, off road célokra)
A prémium lámpák is E-jelesek, használatuk országúti forgalomban megengedett, kivéve a Rally típusokat.



Wraz z podstawowym zakresem żarówek oferujemy żarówki premium o specjalnej konstrukcji
Grupa żarówek premium obejmuje następujace typy: Extra Life, Megalight Plus, Megalight Ultra, Rajdowe, Sportlight. Żarówki Premium posidają dodatkowe zalety w zakresie takich parametrów jak trwałość, barwa światła, odporność na wstrząsy lub moc.
Lampy z grupy Premium posiadają znak E1 co zezwala na ich używanie na drogach publicznych w UE za wyjątkiem żarówek rajdowych (Rally)
Żarówki Extra life mają wydłużoną trwałość.Żarówki Megalight Plus i Ultra posiadają zwiększoną luminancję. Żarówki halogenowe Sportlight emitują intensywne niebiesko- białe światło

K naší základní řadě nabízíme i speciálně konstruovanou premium řadu autožárovek. Premium řada obsahuje: Extra Life, Megalight Plus, Megalight Ultra, Rally, Sportlight.
Premium žárovky mají další přínos v oblasti životnosti, barvy světla, odolnosti proti vibracím, příkonu.
Premium žárovky mají rovněž označení E1, umožňující jejich použití na evropských silnicích, s výjimkou Rally žárovek, které byly konstruovány pro použití mimo veřejné komunikace.
Extra life žárovky mají zvýšenou životnost, Megalight Plus a Megalight Ultra žárovky mají zvýšenou svítivost, Sportlight halogenové žárovky poskytují intenzivní modrobílé světlo.

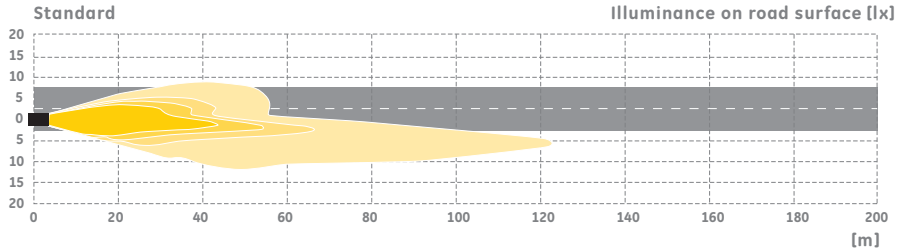
As well as the basic range, we offer the premium range, based on special lamp designs. The premium range includes: Extra Life, Megalight Plus, Megalight Ultra, Rally, Sportlight. The premium lamps have additional benefits in terms of life, colour, vibration resistance or wattage.
The premium lamps are also E1 marked, making their use on the EU roads possible, with the exception of Rally lamps that were designed for off-road usage.
Extra life lamps have enhanced life, Megalight Plus and Ultra lamps posses increased luminance, Sportlight halogen lamps give intense blue-white light.

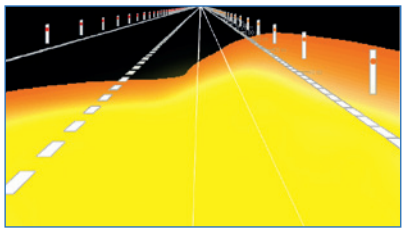
				
	H1	H3	H4	H7
Megalight Ultra +120	●		●	●
Megalight Ultra +90	●	●	●	●
Megalight Plus	●		●	●
SportLight	●		●	●
Extra Life	●	●	●	●
Rally	●	●	●	
Tungsram "Reliable"	●	●	●	●

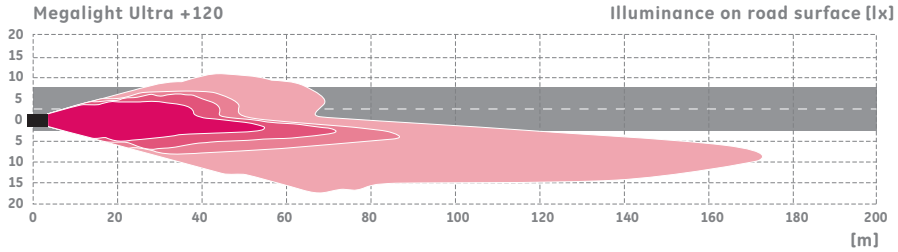
Operational voltage is a critical parameter influencing the life time of the automotive lamps. The life of the lamp is sensitive to the operation voltage of the car, 1% of change of the voltage results in 12-15% change of life with opposite sign.

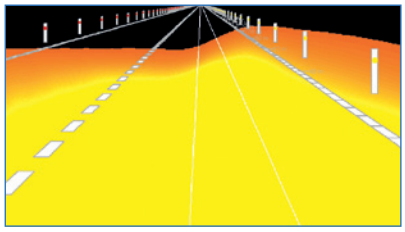
Több fény - Więcej swiatła - Více světla - More light

- Jobb látás - Lepsza widzialność na drodze - Lepší viditelnost - Better visibility
- Biztonságosabb vezetés - Większy komfort prowadzenia samochodu - Zlepšený řidičský komfort - Improved driving performance



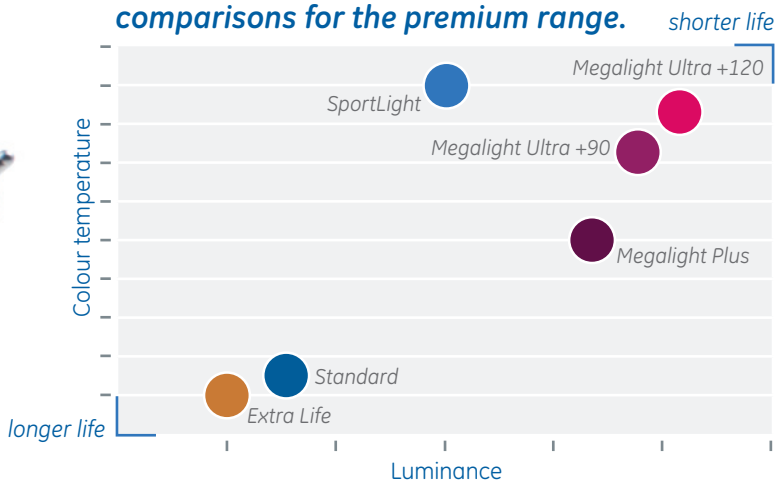








Colour temperature-luminance-life comparisons for the premium range.



H8	H9	H10	H11	HB3	HB4
			●	●	●
			●	●	●
				●	●
				●	●
●	●	●	●	●	●

The special quartz glass used for GE automotive lamps cuts the UV component of light, it means that GE automotive lamps can safely be used in plastic reflectors without the risk of discoloration.

Megalight Ultra +120



Akár 120%-kal több fény az úton.

Kimagasló teljesítmény – optimalizált lámpa konstrukció, 100% xenon gáz töltés

- A legintenzívebb és legmagasabb fénysűrűségű lámpa a biztonságosabb vezetés érdekében.
- A jobb megvilágítás az úton hozzájárul az éjszakai és a rossz időjárási viszonyok miatt bekövetkező balesetek számának csökkenéséhez.

O 120% více světla na vozovce

Nová úroveň výkonu – optimalizovaná konstrukce s použitím 100% xenonu jako plnicího plynu

- Nejintenzivnější a nejvýkonnější úroveň osvětlení z hlediska svítivosti, pro bezpečnější řízení
- Zvýšená úroveň svítivosti světlometu pomáhá v redukci nehod v nočním čase / za podmínek snížené viditelnosti

Do 120% więcej światła na drodze

Ulepszone działanie -optymalna konstrukcja Żarówki napełnionej w 100% ksenonem

- Intensywne i mocne światło zarówki dla bezpieczniejszej jazdy
- Poprawa poziomu oświetlenie reflektorów głównych pomaga zmniejszyc ilośc wypadków podczas jazdy nocą i w warunkach słabej widoczności

Up to 120% more light on the road

New level of performance - optimized design with 100% xenon gas fill.

- Most intense and powerful lamp in terms of luminance, for safer driving
- Improved headlamp illumination level helps in reduction of accidents at night time/in poor visibility conditions

Street Legal

12V

Type	ECE	W			Fig.	SKU	EAN
Megalight Ultra +120 - Halogen headlight lamps							
Egy- és kétfonalú halogén fényszórólámpák Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Halogenové žárovky do hlavních světlometů Headlight lamps – upper and lower beam							
50440SNU	H4	60/55	P43t	2/18/72	1	525666	5994100256663
58520SNU	H7	55	PX26d	2/18/72	2	525644	5994100256441
50310NU	H1	55	P14,5s	2/18/72	3	525608	5994100256083

Fig. 1.

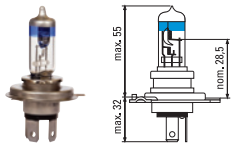


Fig. 2.

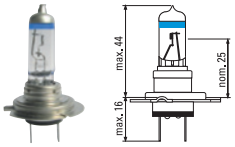
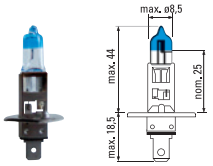
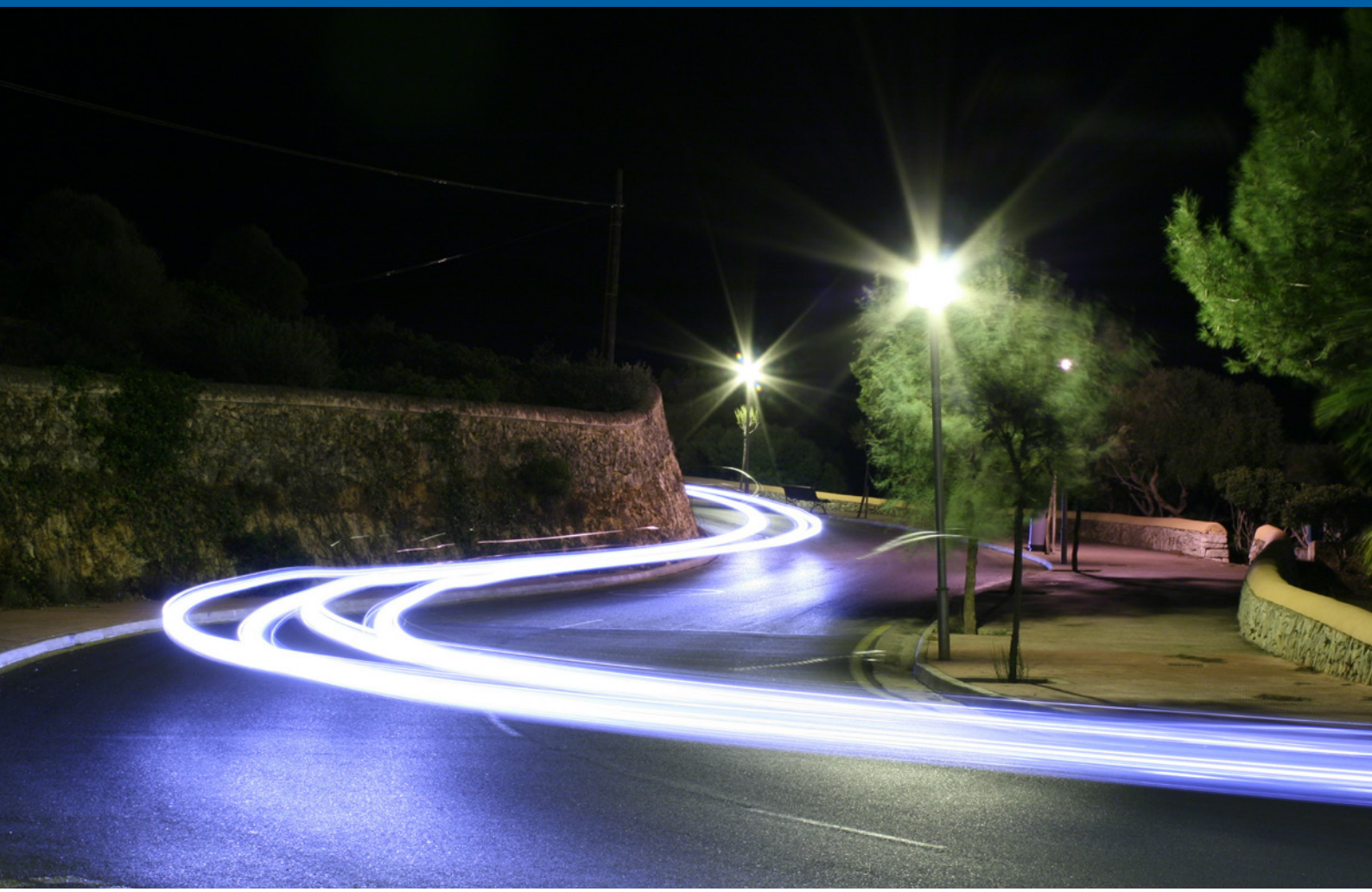


Fig. 3.





Megalight Ultra +90



Akár 90%-kal több fény az úton

Magas fénysűrűségű lámpák a jobb megvilágításért

- A több fény, jobb megvilágítás segíti az autóvezetőket az éjszakai vezetésben.
- A legtöbb fényt adó, országúti forgalomban engedélyezett halogén lámpa család, amely a biztonságos vezetést szolgálja
- Fény és külső megjelenés harmóniája, a H7 és H4 lámpák ezüst bevonattal készülnek.

O 90% více světla na vozovce

Vysoce výkonné žárovky pro zvýšenou viditelnost, pohodlí a styl

- Zlepšený noční řidičský komfort
- Nejintenzivnější a nejvýkonnější žárovka co se týká svítivosti, pro bezpečnější řízení

Do 90% więcej światła w warunkach drogowych

Żarówki o wysokiej skuteczności, zapewniające lepszą widoczność, wygodę i stylowy wygląd

- Poprawa warunków jazdy w nocy
- Lampy o najwiekszej intensywności pod względem luminacji, zapewniają bezpieczną jazdę
- Żarówki H4 i H7 mają atrakcyjne srebrne pokrycie górnej części lampy, żarówki H1 i H4 występują z pokryciem o niebieskiej barwie

Up to 90% more light on the road

High performance lamps for visibility, convenience and style

- Improved driving performance at night
- Most intense and powerful lamp, in terms of luminance, for safer driving

12V

Megalight Ultra +90 - Halogen headlight lamps

Egy- és kétfonalú halogén fényszórólámpák
Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania
Halogenové žárovky do hlavních světlometů
Headlight lamps – upper and lower beam

Type	ECE	W			Fig.	SKU	EAN
50440SXU	H4	60/55	P43t	16407	1	522337	5994100223375
58520SXU	H7	55	PX26d	2/16/64	2	522338	5994100223382
50310XU	H1	55	P14,5s	2/16/64	3	522906	5994100229063

Fig. 1.

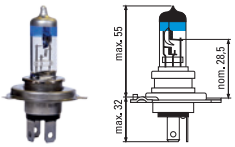


Fig. 2.

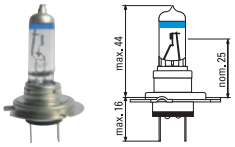
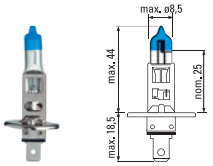


Fig. 3.





Megalight Plus



Akár 50-60%-kal több fény az úton

- speciális, magas fénysűrűségű lámpa konstrukció
- hosszabb fénycsóva a hagyományos lámpákhoz képest
- fényesebb megvilágítás az úton

Do 50-60% więcej światła w warunkach drogowychh

- Specjalna konstrukcja żarówki o wysokiej luminancji
- Większy zasięg wiązki swiatła z reflektorów
- Jaśniejsze oświetlenie

O 50-60% více světla na vozovce

- Speciální konstrukce žárovky pro vysokou svítivost
- Delší kužel světla
- Jasnější osvětlení

Up to 50-60% more light on the road

- Special high luminance lamp design
- Longer beam
- Brighter illumination

12V

Type	ECE	W			Fig.	SKU	EAN
Megalight Plus - Halogen headlight lamps							
Egy- és kétfonalú halogén fényszórólámpák Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Halogenové žárovky do hlavních světlometů Headlight lamps – upper and lower beam							
50440MPU	H4	60/55	P43t	2/12/48	1	513276	5994100132769
				1/10/100	1	520877	5994100208778
58520MPU	H7	55	PX26d	2/16/64	2	513912	5994100139126
				1/10/100	2	520876	5994100208761
50310MPU	H1	55	P14,5s	2/16/64	3	513604	5994100136040
				1/10/100	3	520878	5994100208785

Fig. 1.

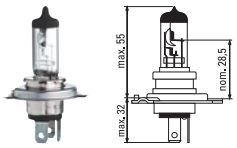


Fig. 2.

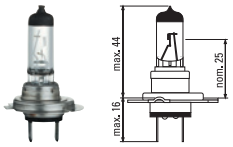
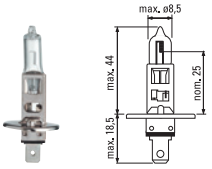


Fig. 3.





Sportlight



Fény, teljesítmény és szín kimagasló harmóniája

Akár 50%-kal több fény az úton, különleges kékes fehér színű fényszóró lámpákkal

- Hosszabb és fényesebb megvilágítás,az úton és a perifériákon, élesebb kontúrok
- Segíti a biztonságosabb vezetést rossz időjárási és látási viszonyok közt
- Gyorsabb észlelési és reakció idő - segédvilágítási lámpák

Kiedy naprawdę chcesz widzieć i być widziany

50% więcej światła o niebieskobiałej barwie i większej intensywności podczas jazdy na drodze.

- Lepsza widoczność na poboczu drogi – „widzieć i być widzianym"
- Lepsza widoczność w skrajnych warunkach pogodowych, takich jak ulewny deszcz, mgła i burza gradowa
- Szybsza sygnalizacja, wcześniejsze ostrzeganie (lampy miniaturowe: tylne, stopu i z funkcją migacza)

Když opravdu chcete vidět a být viděn

Intenzivní modrobílé světlo s více jak 50% světla navíc na vozovce

- Vyšší viditelnost v periferním zorném poli - „vidět a být viděn"
- Lepší viditelnost za extrémních povětrnostních podmínek, jako je silný déšť, mlha a krupobití
- Rychlejší podnět, včasnější varování (miniaturní žárovky)

When you really want to see and be seen

Intense blue-white light up to 50% more light on the road, or faster signal

- Higher visibility in peripheral viewing
- Better visibility in extreme weather conditions
- Faster signal, earlier notice - miniature lamps

12V

Type	ECE	W			Fig.	SKU	EAN
Sportlight - Halogen headlight lamps							
Egy- és kétfonalú halogén fényszórólámpák Żarówki halogenowe do reflektorów głównych - światła drogowe i mijania Halogenové žárovky do hlavních světlometů Headlight lamps – upper and lower beam							
53800NHSU	H4	60/55	P43t	2/12/48	1	522326	5994100223269
58320NHSU	H7	55	PX26d	2/16/64	2	522327	5994100223276
50310NHSU	H1	55	P14,5s	2/16/64	3	522336	5994100223368

Fig. 1.

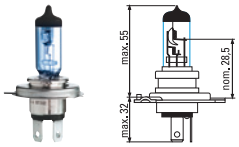


Fig. 2.

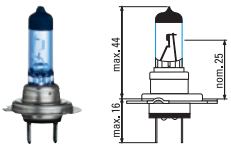
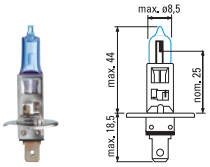


Fig. 3.





Rally



Magas wattitású fényszóró és ködlámpák országúton kívüli használatra

Vysokowattové žárovky pro hlavní světlomety a mlhovky pouze pro použití mimo veřejné komunikace

Reflektory przednie i lampy przeciwmgielne wyłącznie do użytku TERENOWEGO (poza drogami publicznymi)

High wattage headlight and foglight lamps for OFF ROAD use only

Off-road

12V

Rally - Halogen headlight lamps

Halogén fényszórólámpák - közúti forgalomban nem használhatók
Żarówki halogenowe rajdowe do reflektorów głównych – niedozwolone do użytku na drogach publicznych
Halogenové žárovky do hlavních světlometů – Rally typy nejsou povoleny na veřejných komunikacích
Headlight lamps – Rally types are not allowed on public roads

Type	ECE	W			Fig.	SKU	EAN
52140U		100	P14.5s	1/10/100	1	200115	9004101001110
50370U		100	P14.5s/R	1/10/100	1	200054	9004101000519
52130U		100	PK22s	1/10/200	2	209103	9004101091012
50360U		100	PK22s/R	1/10/200	2	209003	9004101090015
52050U^{hb}		130/80CP	P43t-38	1/10/100	3	525719	9004101041017
52050U^{hb}		60/55W(130/80CP)	P43t-38	1/10/100	3	525720	9004101041017
52090U		100/55	P43t-38	1/10/100	4	204203	9004101042014
52670U		140/100 (250/140 CP)	P43t-38	1/10/100	4	204702	9004101047019
52030U^{h}		100/80	P45t-41	1/10/100	5	205810	9004101058015
52040U^{h}		130/80CP	P45t-41	1/10/100	5	525694	9004101056011
52040U^{hb}		60/55W (130/80CP)	P45t-41	1/10/100	6	525695	5994100256953
52660U		140/100 (250/140CP)	P45t-41	1/10/100	5	206002	9004101060117

Fig. 1.

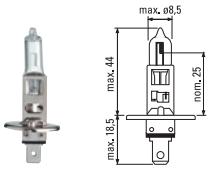


Fig. 2.

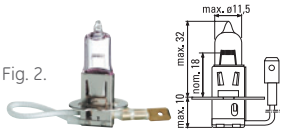


Fig. 3.

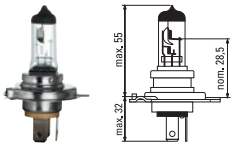


Fig. 4.

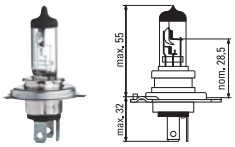


Fig. 5.

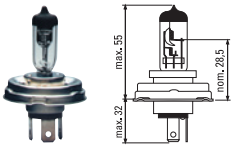
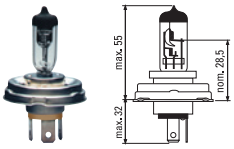


Fig. 6.



h = keményüveg bura - szkło twarde - tvrdé sklo - hard glass
b = bézs színű fejszigetelő anyag - trzonek beżowy - béžový izolant patice - beige cap insulator
cp = candle power



	Type	ECE	W			Fig.	SKU	EAN
	Kétfonalú, aszimmetrikus fényszórólámpák Dwuświatłowe żarówki asymetryczne do reflektorów samochodowych Dvouvláknové asymetrické žárovky do hlavních světlometů Double Filament Asymmetrical Headlight Lamps							
	Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37 Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37							
HS1	**50470U**	HS1	35/35	PX43t	1/10/100	1	203353	9004101033517
H4	**50440U^{h}**	H4	60/55	P43t-38	1/10/100	1	201317	9004101013113
	50440U^{hb}	H4	60/55	P43t-38	1/10/100	2	514696	9004101013113
	Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37 Speciální typy, které nejsou uvedeny v předpisech ECE R37 - Special Types, not included in ECE R37							
	52070HU		60/55	P45t-41	1/10/100	3	520618	9004101052013

Fig. 1.

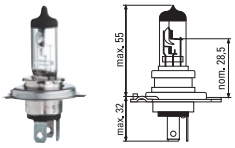


Fig. 2.

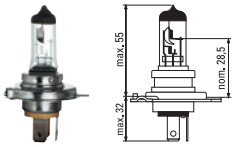
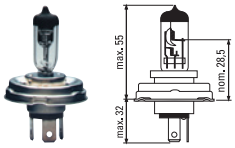


Fig. 3.



h = keményüveg bura - szkło twarde - tvrdé sklo - hard glass
b = bézs színű fejszigetelő anyag - trzonek beżowy - béžový izolant patice - beige cap insulator

Egyfonalú halogén fényszórólámpák
Jednoświatłowe żarówki halogenowe do reflektorów samochodowych
Jednovláknové halogenové žárovky do hlavních světlometů
Single Filament Halogen Headlight Lamps

Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37
Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37

	Type	ECE	W			Fig.	SKU	EAN
H7	**58520U**	H7	55	PX26d	1/10/100	1	202960	9004101029619
H1	**50310/1U**	H1	55	P14.5s	1/10/100	2	200304	9004101003015
H3	**50340U**	H3	55	PK22s	1/10/200	3	208803	9004101088012
HB3	**53060U**	HB3	60	P20d	1/10/100	4	202420	9004101024218
HB4	**53070U**	HB4	51	P22d	1/10/100	5	202500	9004101025017
H8	**53090U**	H8	35	PGJ19-1	1/10/100	6	512099	5994100120995
H9	**53100U**	H9	65	PGJ19-5	1/10/100	7	512100	5994100121008
H11	**53110U**	H11	55	PGJ19-2	1/10/100	6	512101	5994100121015

Fig. 1.

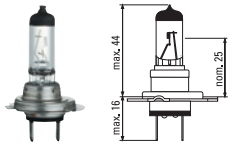


Fig. 2.

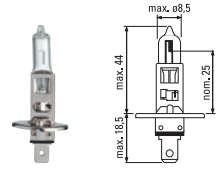


Fig. 3.

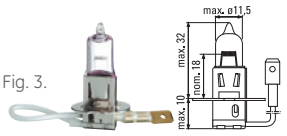


Fig. 4.

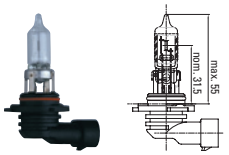


Fig. 5.

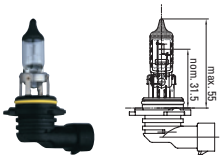


Fig. 6.

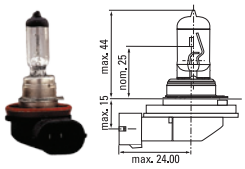
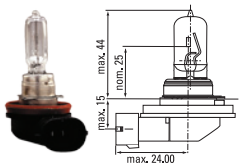


Fig. 7.



Segédvilágítási lámpák

Żarówki pomocnicze - Miniaturní nebo pomocné žárovky - Miniature lamps



Type	ECE	W			Fig.	SKU	EAN
Kétfonalú fék- és hátsó helyzetjelző lámpák Dwuświatłowe żarówki do świateł stop i pozycyjnych Dvouvláknové žárovky pro brzdová a obrysová světla Double Filament Stop and Tail Light Lamps							
Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37 Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37							
1077	P21/5W	21/5	BAY15d	10/200	1	516231	9004101222010
1122	P21/4W	21/4	BAZ15d	10/200	1	516227	9004101233016
Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37 - Speciální typy, které nejsou uvedeny v předpisech ECE R37 - Special Types, not included in ECE R37							
1098		20/5	BA15d	10/200	1	516224	9004101230619
1157	ANSI	32/3 CP	BAY15d	10/200	1	516230	9004102283270
Egyfonalú fék-, villogó-, tolató- és ködlámpák Jednoświatłowe żarówki do kierunkowskazów, świateł, stop, cofania i przeciwmgielnych Jednovláknové žárovky pro brzdová, směrová, zpětná a mlhová světla Single Filament Stop, Direction, Reverse and Fog Light Lamps							
Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37 Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37							
1058	P21W	21	BA15d	10/200	2	516196	9004101197011
1057	P21W	21	BA15s	10/200	3	516212	9004101192016
1056	PY21W	21	BAU15s	10/200	4	516214	9004101216118
Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37 Speciální typy, které nejsou uvedeny v předpisech ECE R37 - Special Types, not included in ECE R37							
1059	DIN 72601R	18	BA15s	10/200	5	516197	9004101198117
1143	DIN 72601F	15	BA15s	10/200	5	516210	9004101213612
1156	ANSI 1156	32 CP	BA15s	10/200	3	516211	9004101215012

Fig. 1.

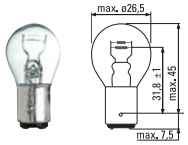


Fig. 2.

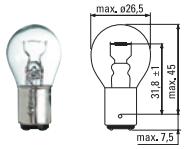


Fig. 3.

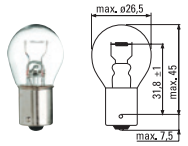


Fig. 4.

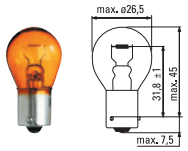
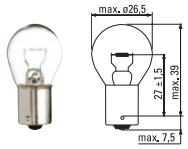


Fig. 5.



Hátsó helyzetjelző-, parkoló-, műszerfal-, rendszámtábla- és utastéri lámpák
Żarówki do świateł pozycyjnych, parkowania, ostrzegawczych, do oświetlenia wewnętrznego i wskaźnikow
Žárovky do zadních obrysových a parkovacích světel, pro osvětlení přístrojové desky, výstražnou signalizaci a vnitřní osvětlení
Tail, Parking, Indicator, Warning and Interior Lamps

gömb- és csőburás kivitelben - w bańce kulkowej i cylindrycznej
v kulové a trubkové bańce - in Spherical and Tubular Bulb

Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37 -
Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37

Type	ECE	W			Fig.	SKU	EAN
2619	R5W	5	BA15s	10/200	1	516232	9004101298510
2619T	R5W	5	BA15s	10/200	2	517329	5994100173298
2641	R10W	10	BA15s	10/200	1	516238	9004101302613
2641T	R10W	10	BA15s	10/200	2	517330	5994100173304
2662	T4W	4	BA9s	10/200	3	518225	9004101347010

Fig. 1.

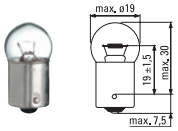


Fig. 2.

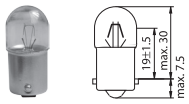
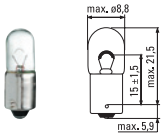


Fig. 3.



Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37
Speciální typy, které nejsou uvedeny v předpisech ECE R37 - Special Types, not included in ECE R37

2696	DIN 72601J	2	BA7s	10/200	4	518212	9004101360613
2656	-	3	BA9s	10/200	5	518221	9004101339213
2660	DIN 72601H	2	BA9s	10/200	5	518222	9004101342619

Fig. 4.

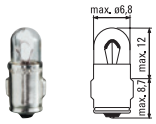
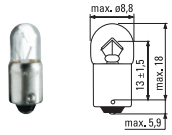


Fig. 5.



üvegfejű kivitelben
całoszklane
se skleněnou paticí
with Wedge Cap

Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37
Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37

504	W3W	3	W2.1x9.5d	10/200	6	518766	9004101380611
501	W5W	5	W2.1x9.5d	10/200	6	518500	9004101382110
501A	WY5W	5	W2.1x9.5d	10/200	7	518501	5994100120469

Fig. 6.

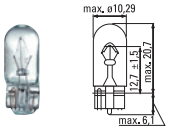
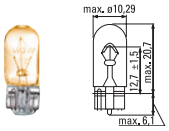


Fig. 7.



Type	ECE	W			Fig.	SKU	EAN
Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37 Speciální typy, které nejsou uvedeny v předpisech ECE R37 - Special Types, not included in ECE R37							
5301	W1.2W	1.2	W2x4.6d	10/200	1	518826	9004101379011
5313		2	W2.1x9.5d	10/200	2	518801	9004101383513
szoffita kivitelben - rurkowe - sufitové - in Festoon Form							
7546	C5W	5	SV8.5/8	10/200	3	518470	9004101314319
Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37 Speciální typy, které nejsou uvedeny v předpisech ECE R37 -Special Types, not included in ECE R37							
7575		5	SV8.5/8	10/200	4	518461	9004101318317
7576	DIN 72601K	10	SV8.5/8	10/200	4	518462	9004101319017
7592	DIN 72601K	15	SV8.5/8	10/200	5	518465	9004101323014
7593		18	SV8.5/8	10/200	5	518466	9004101324011
Halogén miniatűr utastéri lámpák Miniaturowe żarówki halogenowe do oświetlenia wewnętrznego Halogenové trpasličí žárovky pro vnitřní osvětlení Halogen Miniature Interior Lamps							
58540U		5	BA9s	1/20	6	210903	9004101109014
58560U		10	BA9s	1/20	6	211000	9004101110010
52830U	H6W	6	BAX9s	1/10/100	7	212800	9004101128008

Fig. 1.

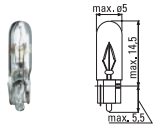


Fig. 2.

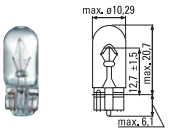


Fig. 3.

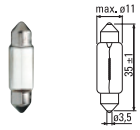


Fig. 4.

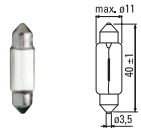


Fig. 5.

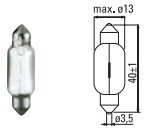


Fig. 6.

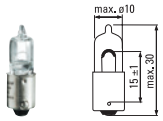


Fig. 7.

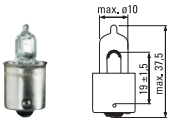
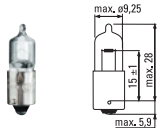


Fig. 7.



24V-os lámpák teherautókhoz és buszokhoz

24V żąrówki do samochodów ciężarowych i autobusów

24V žárovky pro nákladní automobily

24V Automotive Lamps



24V

	Type	ECE	W			Fig.	SKU	EAN
	Kétfonalú, aszimmetrikus fényszórólámpák Dwuświatłowe żarówki asymetryczne do reflektorów samochodowych Dvouvláknové asymetrické žárovky do hlavních světlometů Double Filament Asymmetrical Headlight Lamps							
	Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37 Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37							
H4	**50450U^{h}**	H4	75/70	P43t-38	1/10/100	1	518961	9004101076019
	50450U^{hb}	H4	75/70	P43t-38	1/10/100	2	519256	5994100192565
	RALLY - Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37 Speciální typy, které nejsou uvedeny v předpisech ECE R37 - Special Types, not included in ECE R37							
	52710U		100/70	P43t-38	1/10/100	1	207802	9004101078013
	53130U		100/90	P43t-38	1/10/100	1	516334	5994100119142
	52080U		75/70	P45t-41	1/10/100	4	207903	9004101079010
	52080U^{h}		75/70	P45t-41	1/10/100	4	518963	5994100189633
	52080U^{hb}		75/70	P45t-41	1/10/100	3	519255	5994100192558
	52730U		100/70	P45t-41	1/10/100	4	208103	
	Egyfonalú halogén fényszórólámpák Jednoświatłowe żarówki halogenowe do reflektorów samochodowych Jednovláknové halogenové žárovky do hlavních světlometů Single Filament Halogen Headlight Lamps							
	Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37 Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37							
H7	**58521U**	H7	70	PX26d	1/10/100	5	514882	5994100148821
H1	**50320/1U**	H1	70	P14.5s	1/10/100	6	200603	9004101006016
H3	**50350U**	H3	70	PK22s	1/10/200	7	209703	9004101097014
H2	**50420U**	H2	70	X511	1/10/200	8	201063	9004101010617
	RALLY - Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37 Speciální typy, které nejsou uvedeny v předpisech ECE R37 - Special Types, not included in ECE R37							
	50400U		100	PK22s	1/10/200	7	210003	9004101100011

h = keményüveg bura - szkło twarde - tvrdé sklo - hard glass
b = bézs színű fejszigetelő anyag - trzonek beżowy - béžový izolant patice - beige cap insulator

Fig. 1.

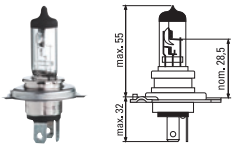


Fig. 2.

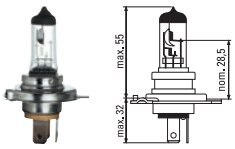


Fig. 3.

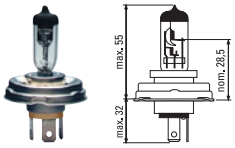


Fig. 4.

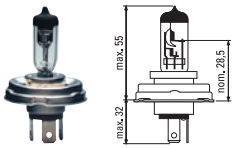


Fig. 5.

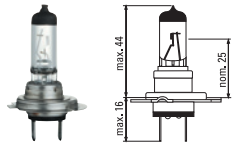


Fig. 6.

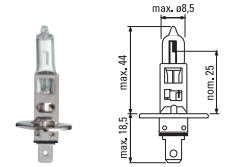


Fig. 7.

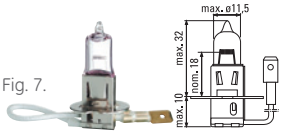
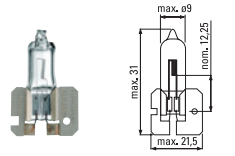


Fig. 8.



Type	ECE	W			Fig.	SKU	EAN
Kétfonalú fék- és hátsó helyzetjelző lámpák Dwuświatłowe żarówki do świateł stop i pozycyjnych Dvouvláknové žárovky pro brzdová a obrysová světla Double Filament Stop and Tail Light Lamps							
Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37 Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37							
1078	P21/5W	21/5	BAY15d	10/200	1	516221	9004101226216
Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37 Speciální typy, které nejsou uvedeny v předpisech ECE R37 - Special Types, not included in ECE R37							
1124		18/5	BA15d	10/200	1	516228	9004101233511
1126	DIN 72601S	18/5	BAY15d	10/200	1	516229	9004101234013
Egyfonalú fék-, villogó-, tolató- és ködlámpák Jednoświatłowe żarówki do kierunkowskazów, świateł, stop, cofania i przeciwmgielnych Jednovláknové žárovky pro brzdová, směrová, zpětná a mlhová světla Single Filament Stop, Direction, Reverse and Fog Light Lamps							
Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37 Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37							
1061	P21W	21	BA15d	10/200	2	516199	9004101202012
1060	P21W	21	BA15s	10/200	3	516213	9004101199015
1060HD*	P21W	21	BA15s	10/200	4	516198	9004101199312
1073	PY21W	21	BAU15s	10/200	5	516215	9004101216613
Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37 Speciální typy, které nejsou uvedeny v předpisech ECE R37 - Special Types, not included in ECE R37							
1114		15	BA15d	10/200	6	516201	9004101203613
1115		15	BA15s	10/200	7	516202	9004101204016
1117	DIN 72601R	18	BA15s	10/200	6	516204	9004101205518
1134		24	BA15s	10/200	3	516206	9004101207512

Fig. 1.

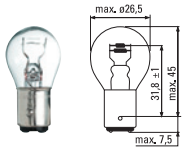


Fig. 2.

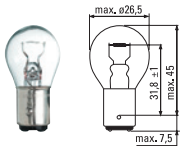


Fig. 3.

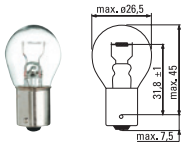


Fig. 4.

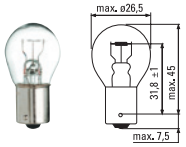


Fig. 5.

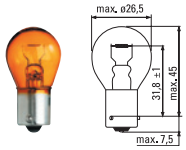


Fig. 6.

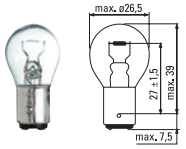
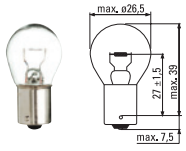


Fig. 7.



* A HD-jelű lámpák fokozott rázási igénybevétel mellett is biztosítják a megfelelő élettartamot.
* Heavy-Duty żarówki te mają wzmocnioną konstrukcję oraz większą trwałość w trudnych warunakch pracy.
* Žárovky s označením "HD" zaručují, díky své robustní konstrukci, uvedený život i při zvýšených otřesech.
* Heavy-Duty lamps feature robust design with prolonged life under circumstances they must perform.

Hátsó helyzetjelző-, parkoló-, műszerfal-, rendszámtábla- és utastéri lámpák
Żarówki do świateł pozycyjnych, parkowania, ostrzegawczych, do oświetlenia wewnętrznego i wskaźnikow
Žárovky do zadních obrysových a parkovacích světel, pro osvětlení přístrojové desky, výstražnou signalizaci a vnitřní osvětlení
Tail, Parking, Indicator, Warning and Interior Lamps

gömb- és csőburás kivitelben - w bańce kulkowej i cylindrycznej
v kulové a trubkové bańce - in Spherical and Tubular Bulb

Az ECE R37 előírásainak megfelelő típusok - Żarówki zgodne z ECE R37
Typy odpovídající předpisům ECE R37 - Lamp Types According to ECE R37

Type	ECE	W			Fig.	SKU	EAN
2626	R5W	5	BA15d	10/200	1	516312	9004101332412
2627	R5W	5	BA15s	10/200	2	516941	9004101334010
2627HD*	R5W	5	BA15s	10/200	2	516314	9004101335710
2643	R10W	10	BA15s	10/200	3	516942	9004101304310
2643HD*	R10W	10	BA15s	10/200	3	516316	9004101304419
2661	T4W	4	BA9s	10/200	4	518224	9004101344019
2661HD*	T4W	4	BA9s	10/200	4	518217	9004101345511
7552	C5W	5	SV8.5/8	10/200	7	518469	9004101316115

Speciális, az ECE R37 előírásaiban nem szereplő típusok - Typy specjalne nie objęte ECE R37
Speciální typy, které nejsou uvedeny v předpisech ECE R37 - Special Types, not included in ECE R37

2692	DIN 72601J	3	BA7s	10/200	5	518211	9004101359310
2663	DIN 72601H	2	BA9s	10/200	6	518223	9004101350010
7579		5	SV8.5/8	10/200	8	518463	9004101320716
7580		10	SV8.5/8	10/200	8	518464	9004101321614
7594		15	SV8.5/8	10/200	9	518467	9004101325117
7595	DIN 72601K	18	SV8.5/8	10/200	9	518468	9004101325810

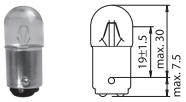
Fig. 1.


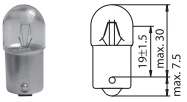
Fig. 2.


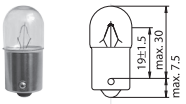
Fig. 3.


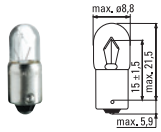
Fig. 4.


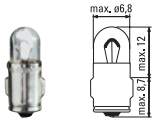
Fig. 5.


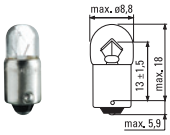
Fig. 6.


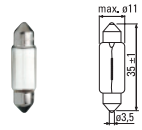
Fig. 7.


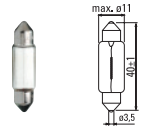
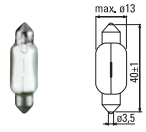
Fig. 8.


Fig. 9.


Tartaléklámpa-dobozok

Zestawy żarówek samochodowych

Servisní krabičky autožárovek a pojistek pro osobní automobily

Spare Part Boxes



CONTENT		SKU	EAN
H4, PY21W, P21/5W, P21W, R5W, C5W, W5W, T4W, fuses 10A, 15A, 20A, mini fuses 7,5A, 10A, 20A	1/10	520610	5994100206101
H1, PY21W, P21/5W, P21W, R5W, C5W, W5W, T4W, fuses 10A, 15A, 20A, mini fuses 7,5A, 10A, 20A	1/10	520611	5994100206118
H7, PY21W, P21/5W, P21W, R5W, C5W, W5W, T4W, fuses 10A, 15A, 20A, mini fuses 7,5A, 10A, 20A	1/10	520612	5994100206125
H1+H7, PY21W, P21/5W, P21W, R5W, C5W, W5W, T4W, fuses 10A, 15A, 20A, mini fuses 7,5A, 10A, 20A	1/10	520613	5994100206132



Autólámpa kínálók

Ekspozytor

Display

Display

Vákumformázott műanyag váz dobozos lámpáknak, a segédvilágítási lámpák szivacsban.
Tartalom: 161 db lámpa - főbb halogén és segédvilágítási típusok.
Rendelhető: üres kínáló (SKU 521928), lámpákkal töltött kínáló (SKU 522276).

Korpus z plastiku formowany próżniowo z wgłebieniami na pudełka, wkładka z gąbki dla umieszczenia żarówek pomocniczych.
Ekspozytory z żarówkami zawierają 161 zarówek.
Ekspozytor bez żarówek (nr. kod 521928). Ekspozytor z żarówkami (nr kod. 522276).

Vakuově tvarované plastikové těleso a pozice pro krabičky, děrovaný molitan pro miniaturní autožárovky.
Definovaný obsah pro 161 žárovek – hlavní halogenové a miniaturní.
Dodáváno jako prázdné (SKU 521928) nebo plné (SKU 522276).

Vacuum formed plastic body and positions for boxes, foam insert for miniature lamps.
Defined content for 161 lamps - main halogens and miniatures.
Shipped as empty (SKU 521928) or filled (SKU 522276).



Lamp type	Lamp pcs
H1	6
H4	5
H7	10
P21W	20
PY21W	10
P21/5W	30
R5W	20
C5W	20
W5W	20
W1,2W	20
TOTAL	161

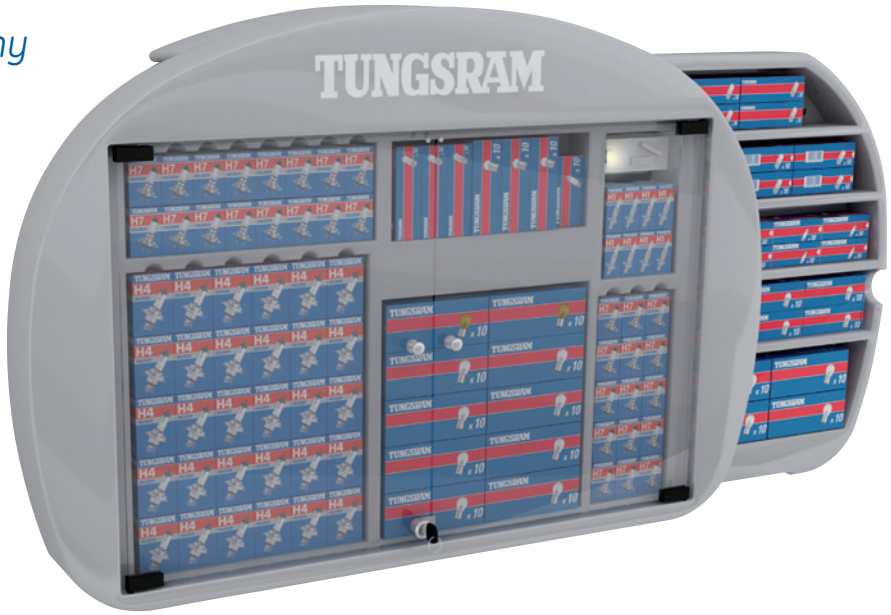
Autólámpa kínáló szekrény

Szafka

Prodejní stojan

Cupboard

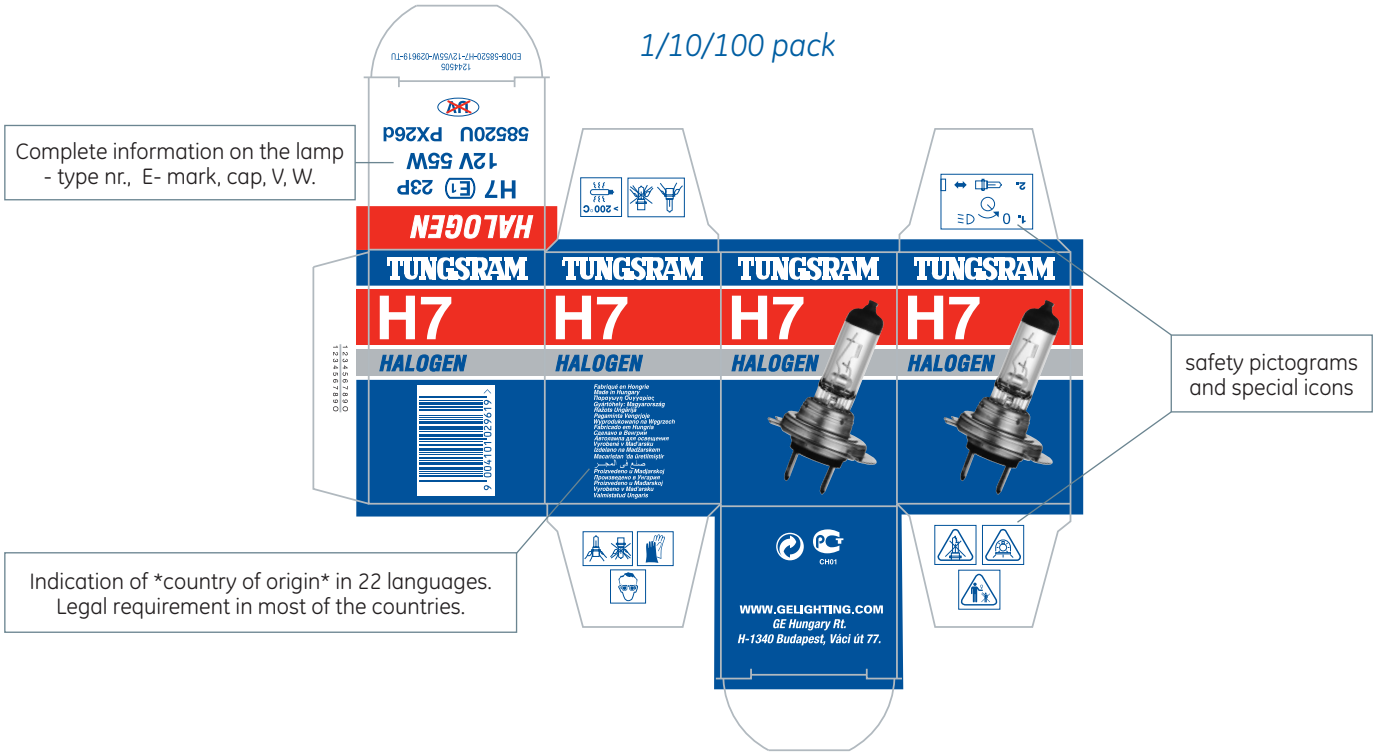
Defined content for 591 lamps - main halogens and miniatures.



Csomagolás *Opakowania - Balení - Packaging*

Tungsram box

1/10/100 pack



Premium logo - emphasizing benefit of the product.

2/12/48 and 2/16/64 packs



Translation of the premium feature/ benefit explanation in 11 languages.

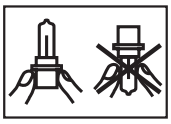


10/200 pack



Jelzések *Piktogramy - Piktogramy - Symbols*





Do not touch with bare fingers



No disposal of as household waste



For removal and installation use appropriate eye protection



Dangerous voltage



Installation and servicing of electronic device only by qualified electrical employees



For removal and installation use appropriate gloves



Read attached instructions before use



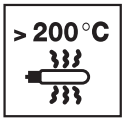
Operation only in luminaire installations with protective shield



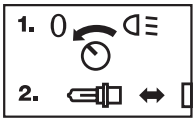
Don't let children play with bulbs



No operation of lamps with scratched or damaged glass bulb



Beware of temperature



Switch off light before re-lamping



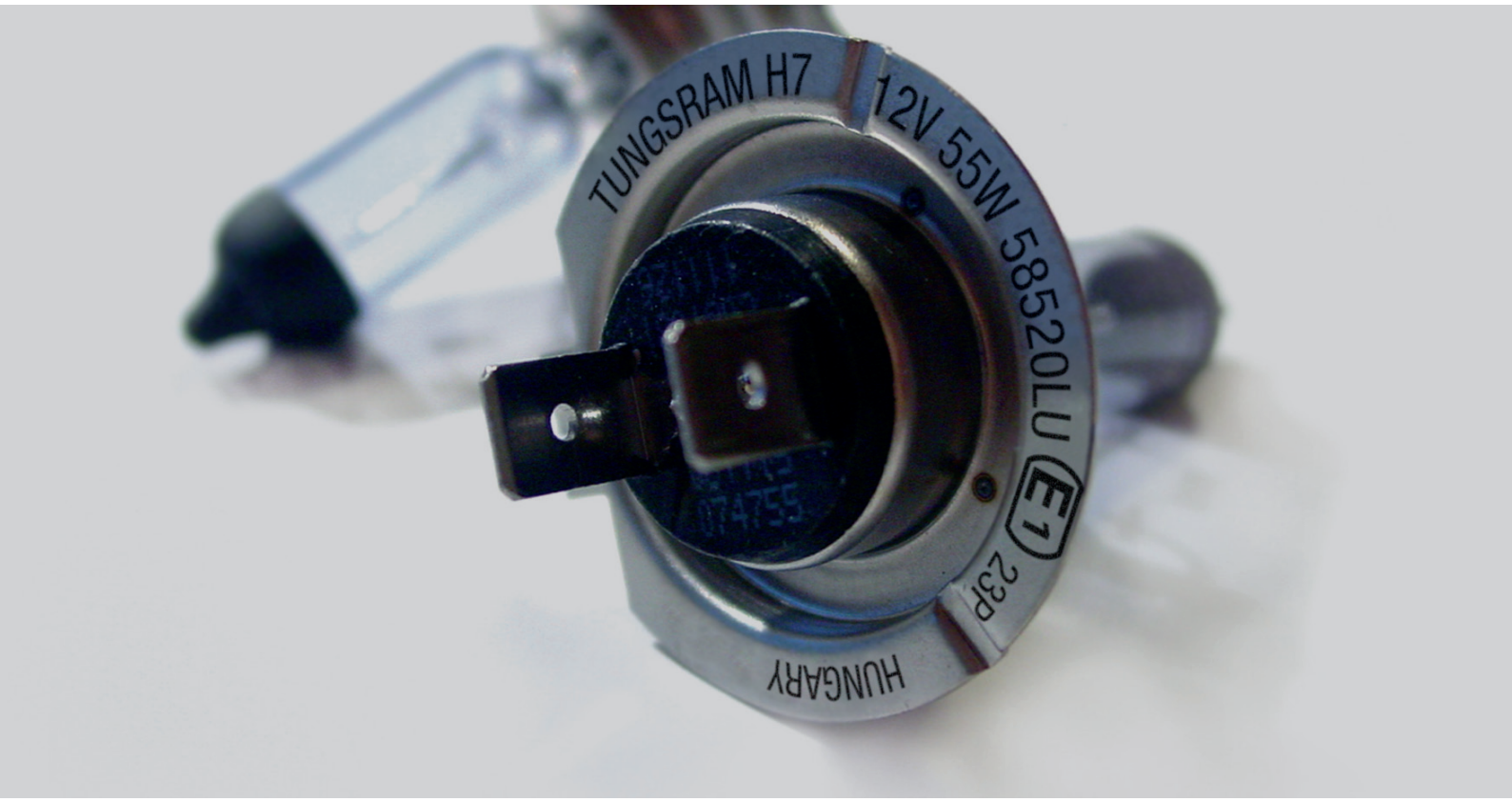
Not suitable for household use



Use as vehicle lamp 12V or 24V

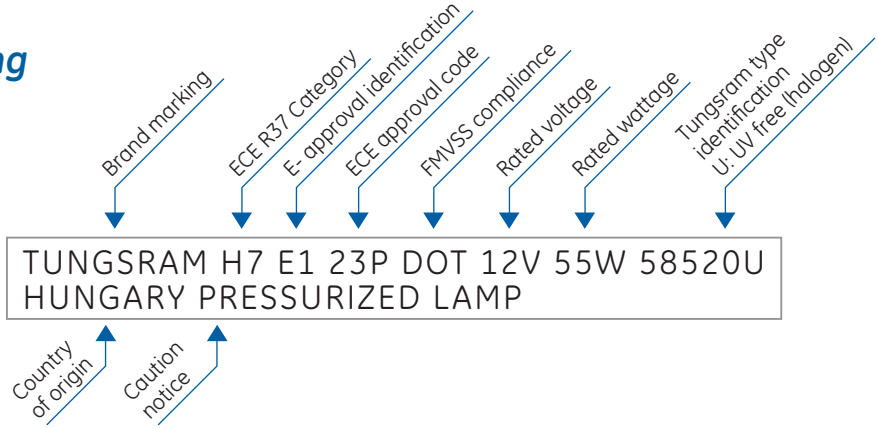
Bélyegzés a lámpa fejen

Oznaczenia na trzonkach zarówek - Značení na paticích - Base stamps



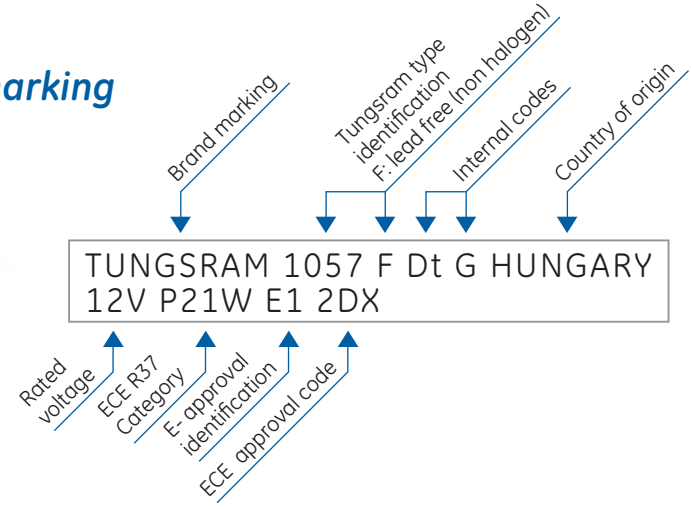
Halogen auto lamp marking





Miniature auto lamp marking



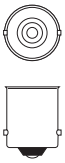


Fej

Trzonek - Patice - Cap



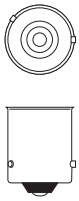
BA7s



BA9s



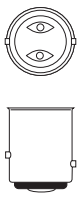
BA15s



BAU15s



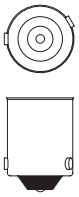
BA15d



BAY15d



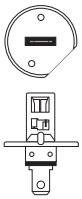
BAZ15d



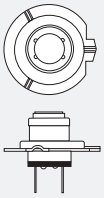
BAX9s



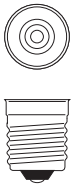
P14,5s/R



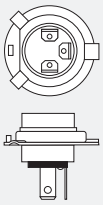
P14,5s



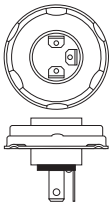
PX26d



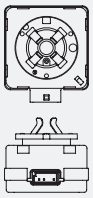
E10



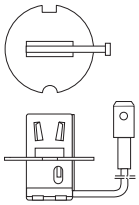
P43t



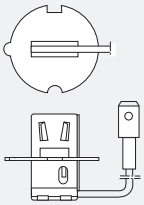
P45t



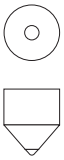
PK32d-2



PK22s



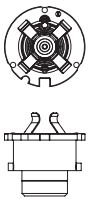
PK22s/R



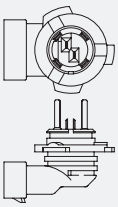
SV8,5



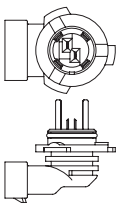
P32d-2



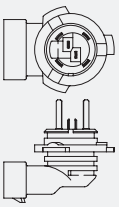
P32d-3



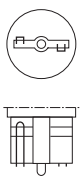
PY20d



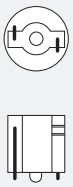
P20d



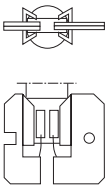
P22d



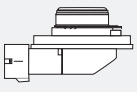
W2,1x9,5d



W2x4,6d



X511



PGJ19

Kapcsolat - Kontakty - Kontakty - Contacts

ALBANIA, MACEDONIA
VSD Merkur d.o.o
Sales Representative of GE Hungary Kft.
ul. Vasil Glavinov 7b/3
1000 Skopje
MACEDONIA
Tel.: (389) 2 3244 790
Fax: (389) 2 3244 797

ARGENTINA, PARAGUAY, URUGUAY
GE Consumer & Industrial Argentina S.A.
Edificio Laminar Plaza Ing. Enrique Butty 240,
Piso 11 – (C1001AFB)- Buenos Aires
ARGENTINA
CUIT: 30-67992375-3
Tel.: 0810 122 GECI (4324)

AUSTRALIA
GE Lighting Australia Ltd.
125-127 Long Street
Smithfield, Sydney, NSW 2164
AUSTRALIA
Tel.: (61) 2 8788 6911
Fax: (61) 2 8788 7224

BOSNIA AND HERZEGOVINA, CROATIA, SLOVENIA
Media Light d.o.o
Exclusive agent of GE Hungary Kft.
Lighting and Power Protection
Cesta na Brdo 109
1000 Ljubljana
SLOVENIA
Tel.: (386) 1 5304366
Fax: (386) 1 5304361

BRAZIL
GE Iluminação do Brasil
CENESP - Av. Maria Coelho Aguiar, 215
Bloco G, Piso Jardim, Jd São Luiz
São Paulo, SP, 05804-900
BRAZIL
Tel.: (55) 11 3614 1700
Fax: (55) 11 3614 1825

BULGARIA
VSD MERKUR e.o.o.d
Sales Representative of GE Hungary Kft.
Office 31, entr. 4
2 Nikolai Haitov str.
1113 Sofia
BULGARIA
Tel.: (359) 2 8705586

CANADA
GE Lighting Canada
2300 Meadowvale Blvd. (C63)
Mississauga, ON L5N 5P9,
CANADA
Tel.: (1) 905 858 6724
Fax: (1) 905 858 6602

CARIBBEAN & CENTRAL AMERICA
General Electric Company
790 N.W.107 Avenue, Suite 204
Miami, Florida 33172
USA
Tel.: (1) 305 551 5114
Fax: (1) 305 551 5116

CHILE, BOLIVIA
General Electric de Chile S.A.
Avenida Vicuña Mackenna 2385,
Santiago
CHILE
Tel.: (56) 6 2 652 65 66

CHINA
GE Asia Headquarters
GE Lighting Co.,Ltd.
7 floor, Building 1, No.1. Hua Tuo Rd.
Zhang Jiang Hi-Tech Park
Pudong, Shanghai 201203
CHINA
Tel.: (86) 21 3877 7888
Fax: (86) 21 3877 7437

COLOMBIA, ECUADOR
GE International Inc. Sucursal Colombia
Calle 113 No.7 -80 Torre AR Oficina 1001
Bogotá D.C.
COLOMBIA
Tel.: (57) 1 742 5660
Fax: (57) 1 742 5569

CZECH REPUBLIC
GE International, Inc.
Bucharova 2641/14
158 00 Praha 5
CZECH REPUBLIC
Tel.: (420) 602 115 021

DENMARK
GE Lighting A/S
Park Alle 295
2605 Bröndby
DENMARK
Tel.: (45) 8040 4945
Fax: (45) 8040 4947

FINLAND
GE consumer and Industrial Oy
Kuortaneenkatu 2, 5krs
PL 620, 00031 GE – Helsinki
FINLAND
Tel.: (358) 10394 2507
Fax: (358) 10394 2515

FRANCE, BELGIUM, LUXEMBOURG, NORTH AFRICA
GE Lighting SARL
ZAC Paris Nord II
13, rue de la Perdrix
B.P. 50073, 95947 Roissy DCG Cedex.
FRANCE
Tel.: (33) 1 48 63 68 00
Fax: (33) 1 48 63 68 08

GERMANY, AUSTRIA, SWITZERLAND, NETHERLANDS
GE Lighting GmbH
Thomas-Edison-Platz 1
63263 Neu-Isenburg
GERMANY
Tel.: (49) 594398 4581
Fax: (49) 594398 4582

GHANA, LYBIA, NIGERIA, ISRAEL
GE Hungary Kft.
1044 Budapest, Váci út 77.
HUNGARY
Tel.: (36) 1 447 6176
Fax: (36) 1 447 5463

GREECE, CYPRUS, MALTA
General Electric Medical Systems SA
8-10 Sorou Str.
Marousi, Athens 15125
GREECE
Tel.: (30) 210 8930 600
Fax: (30) 962 5931

HONG KONG
GE International Operations Co. Inc.
8th Floor, The Lee Gardens
33 Hysan Avenue
Causeway Bay
HONG KONG
Tel.: (852) 2100 6800
Fax: (852) 2376 0013

HUNGARY, SLOVAKIA
GE Hungary Kft.
1044 Budapest
Váci út 77.
HUNGARY
Tel.: (36) 1 399 1100
Fax: (36) 1 399 1672

INDIA, SRI LANKA
GE India Industrial Pvt Ltd.
73/1, 7th Floor, Summit B
Brigade Metropolis, Garudacharpalya
Mahadevapura Post
Bangalore – 560048
Karnataka
INDIA
Tel.: (91) 80 4930 8000
Fax: (91) 80 4930 8800/ 4930 8027

INDONESIA
PT.GE Lighting Indonesia
Gedung BRI II, 26th Floor
Jl. Jend Sudirman Kav. 44-46
Jakarta 10210
INDONESIA
Tel.: (62) 21 573 0490
Fax: (62) 21 574 5241

IRELAND
GE Lighting Ltd.
280 Holly Road
Western Industrial Estate
Naas Road
Dublin 12
IRELAND
Tel.: (353) 1 456 5591
Fax: (353) 1 450 4142

ITALY
GE Lighting Srl
Centro Direzionale Colleoni
Via Paracelso16
20864 Agrate Brianza (MB)
ITALY
Tel.: (39) 348 2735591
Fax: (39) 800784747

JAPAN
GE Consumer Products Japan, Ltd.
12 F Akasaka Park Bldg., 5-2-20
Tokyo 107-6112
JAPAN
Tel.: (81) 3 5544 6700
Fax: (81) 3 5544 6760

KOREA
GE Lighting Korea Ltd.
9F, POBA Gangnam Tower, 119
Nonhyeon-dong, Gangnam-gu,
Seoul, KOREA 135820
Tel.: (82) 2 6201 4300
Fax: (82) 2 6201 4343, 4344

MALAYSIA
GE Lighting Malaysia
Level 6, 1 Sentral, Jalan Travers,
Kuala Lumpur Sentral,
50470 Kuala Lumpur
MALAYSIA
Tel.: +603 2260 8678
Fax: +603 2273 3473

MEXICO
GE Commercial Materials
S.de R.L. de C.V.
Av. Churubusco No 3900 Norte
Apartado Postal 216
64517 Monterrey N.L. México
MEXICO
Tel.: (52) 8 318 5600
Fax: (52) 8 318 5693

MIDDLE EAST, EGYPT & PAKISTAN
GE International Inc.
City Tower II, Sheikh Zayed Rd.
P.O. Box 11549, Dubai
UAE
Tel.: (971) 4 3131 202
Fax: (971) 4 3310 053

NEW ZEALAND
GE Lighting New Zealand
8 Tangihua St
Auckland 1010
NEW ZEALAND
Tel.: (64) 9 353 6706
Fax: (64) 9 353 6707

NORWAY
GE Lighting AS
Karenslyst Allé 2, 0214 Oslo
NORWAY
Tel.: (47) 80 01 13 21
Fax: (47) 80 01 10 48

PERU
GE Lighting Peru SA
Calle Amador Merino
Reyna #267 Of. 902
Lima 18
PERÚ
Tel.: (511) 610 5357
RUC 20256466652

PHILIPPINES
GE Lighting Philippines Inc.
1873 P. Domingo Street
1207 Makati City, Metro Malina
PHILIPPINES
Tel.: (63) 2 895 7051 to 53
Fax: (63) 2 325 0377

POLAND
GE Power Controls Sp. z o.o.
Ul. Leszczynska 6
43-300 Bielsko Biala
POLAND
Tel.: (48) 22 519 76 00
Fax: (48) 22 519 76 02

ROMANIA, MOLDOVA
SC VSD Merkur Lighting Group SRL
Sales Representative of GE Hungary Kft.
0407280 Floresti, Jud. Cluj
Str. Gheorghe Doja, Bl. 13, Ap. 1
ROMANIA
Tel.: (40) 726 279 722
Fax: (40) 727 599 235

RUSSIA, ESTONIA, LATVIA, LITHUANIA, UKRAINE, KAZAHSTAN
OOO "GE RUS",
Electrozavodskaya str.,
Build. 27/7
107023 Moscow,
RUSSIA
Tel.: +79169940769
Fax: +74959371112

SERBIA, MONTENEGRO
VSD MERKUR GROUP d.o.o.
Sales Representative of GE Hungary Kft.
Bulevar Mihajla Pupina 10D/105
11070 Novi Beograd
SERBIA
Tel.: (381) 11 311 9257

SINGAPORE
GE Pacific Pte. Ltd.
240 Tanjong Pagar Road
#06-00 GE Tower
Singapore 088540
SINGAPORE
Tel.: (65) 6326 3319
Fax: (65) 6326 3227

SOUTH AFRICA
GE South Africa – Lighting
Unit 4, 130 Gazelle Avenue,
Corporate Park, Midrand 1685
SOUTH AFRICA
Tel.: (27) 11 237 0000
Fax: (27) 11 314 7518

SPAIN, PORTUGAL
GE Lighting / Appliances España, S.A.,
Roselló i Porcel, 21 - planta 11
Edificio Meridian
08016 - Barcelona
SPAIN
Freephone in Spain: 900 984 997
Free fax in Spain: 900 993 609

SWEDEN
GE Lighting
Vendevägen 89
N182 82 Stockholm
SWEDEN
Tel.: (46) 08 51 99 22 12
Fax: (46) 08 51 99 22 14

TAIWAN
GE Lighting Taiwan
6FL, No 8, Sec 3, Min Sheng E. Rd,
Taipei, 104,
TAIWAN
Tel.: (886) 2 2183 7000
Fax: (886) 2 2516 7356

THAILAND
GE Lighting (Thailand) Ltd.
27th floor, CRC Tower, All Seasons Place
87/2 Wireless Road, Lumpini,
Pathurnwan, Bangkok, 10330
THAILAND
Tel.: (66) 2 250 0820-4
Fax: (66) 2 250 0825

TURKEY
Sun Plaza, Dereboyu Cad.
Bilim Sok. No:5 K:6
34398 Maslak, Istanbul
TURKIYE
Tel.: (90) 212 366 28 00
Fax: (90) 212 366 28 40

UNITED KINGDOM
GE Lighting Ltd
Houghton Centre
Salthouse Road
Brackmils
Northampton NN4 7EX
UNITED KINGDOM
Tel.: (44) 7920 711761
Fax: (44) 1543 876908

UNITED STATES OF AMERICA
GE Lighting
Nela Park, 1975 Noble Road
Cleveland, Ohio 44112
USA
Tel.: (1) 216 266 2121
Fax: (1) 216 266 2780

VENEZUELA
GE Iluminación de Venezuela
"GEISA", S.A.
Avenida Principal de las Mercedes con
Calle Guaicaipuro Torre Forum Piso 15
El Rosal Caracas
VENEZUELA
Tel.: (58) 212 9014147
Fax: (58) 212 9014103

VIETNAM
GE Pacific Pte ltd.
7fl, Saigon Center 65 Le Loi
Boulevard, Dist. 1.
HoChiMinh City
VIETNAM
Tel.: (84) 8 3914 6491
Fax: (84) 8 3827 8229

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted by law.

All lamp drawings are a guide, if further technical details are required please contact your nearest sales office.

General conditions of sale
GE Lighting products are supplied according to GE's General Conditions of Sale. If you require a copy of these conditions please contact your nearest GE Lighting sales office.

Prices
A price list is available from all GE Lighting sales offices.

www.gelighting.com

Tungsram is a registered trademark of GE Hungary Kft.
(previously GE Hungary Zrt.)

03/2013

GE
Lighting

Indoor Solutions
Solutions éclairage intérieur

LUMINATION™ LED LUMINAIRES AND DOWNLIGHT RANGE

LUMINAIRES LED LUMINATION™ ET GAMME SPOTS ENCASTRÉS



GE imagination at work

www.gelighting.com

01

LED LIGHT. GE QUALITY. 03
ÉCLAIRAGE LED. QUALITÉ GE.

02

INTRODUCING GE LUMINATION™ LED LUMINAIRES 07
PRÉSENTATION DES LUMINAIRES LED LUMINATION™DE GE

03

INNOVATION – EXCITING NEW SOLUTIONS 17
INNOVATION - NOUVELLES SOLUTIONS PASSIONNANTES

04

PRODUCT SPECIFICATIONS – GE LUMINATION™ 21
CARACTÉRISTIQUES DES PRODUITS - LUMINATION™ DE GE

05

DOWNLIGHT SOLUTIONS 41
SOLUTIONS EN SPOTS ENCASTRÉS

06

PRODUCT SPECIFICATIONS – GE DOWNLIGHTS 51
CARACTÉRISTIQUES DES PRODUITS - SPOTS ENCASTRÉS DE GE

01

LED LIGHT. GE QUALITY.
ÉCLAIRAGE LED. QUALITÉ GE.

LED light. GE quality.
Éclairage LED. Qualité GE.

The arrival of LED as a viable alternative to existing lighting technologies is changing the way we light our homes, offices, stores and streets. No longer a niche product, LED is now mainstream and, in the next few years, will emerge as the dominant lighting technology.
But not all LED lighting is the same. And that's why it's so important to choose a name you can trust.
We qualify all our LED chips and luminaires according to LM79 & LM80.
At GE, we invented the first visible LED in 1962 and have been manufacturing LED lighting solutions since the 1990s. We've pioneered innovations such as modular design and flat LED panels, and we're now moving towards increased standardisation of design, giving our customers the confidence of knowing that their investment is protected.
In terms of performance, we test all our LED products to LM79 & LM80 standards, measures of light quality, efficacy, colour and lumen maintenance.
In short, we're driving the same standards of quality and reliability into solid state lighting that we've brought to every other lighting technology over the last 130 years.

L'arrivée des LED comme alternative viable aux technologies d'éclairage existantes modifie notre façon d'éclairer nos maisons, bureaux, magasins et rues. Il ne s'agit plus d'un produit de niche ; les LED passent aujourd'hui en tête de marché et dans les prochaines années, elles émergeront en tant que principale technologie d'éclairage.
Mais tous les éclairages LED ne se valent pas. C'est pourquoi il est important de choisir une marque dans laquelle vous avez confiance.
Nous qualifions la totalité de nos luminaires et puces LED en fonction des normes LM79 & LM80.
Chez GE, nous avons inventé la première LED visible en 1962 et avons fabriqué les premières solutions d'éclairage LED dès les années 1990.
Nous sommes pionniers pour des innovations telles que la conception modulaire et les panneaux LED plats et aujourd'hui, nous nous tournons vers une plus grande normalisation de la conception, en apportant à nos clients la certitude que leur investissement est protégé.
En termes de performance, nous testons toutes nos LED suivant les normes LM79 & LM80, les mesures de qualité lumineuse, l'efficacité, la couleur et le maintien de l'intensité.
En résumé, nous suivons les mêmes normes de qualité et de fiabilité pour l'éclairage électroluminescent et pour toute autre technologie d'éclairage depuis les 130 dernières années.

Qualified to LM79 & LM80
Conformes aux tests LM79 & LM80



Reliability you can trust
Faites confiance à notre fiabilité

There are dozens of reasons why you can choose GE LED technology with confidence; these are just a few:
- Pioneering work in traffic and signage – where reliability is critical.
- Proven performance in Walmart chillers since 2006.
- In-house testing and validation of LED sub-system and at complete system level.
- World's largest installed base of white LED systems with >1.3 million light bars to date.

Vous pouvez choisir en toute confiance la technologie LED de GE pour une multitude de raisons, en particulier :
- Pionnier dans les secteurs de la circulation et la signalisation, où la fiabilité est primordiale.
- Performance prouvée grâce aux refroidisseurs Walmart depuis 2006.
- Essai et validation sur site du sous-système LED et au niveau du système complet.
- La plus grande base installée mondiale de systèmes à LED blanches, avec >1,3 millions de barres lumineuses actuellement.

02

INTRODUCING GE LUMINATION™ LED LUMINAIRES
PRÉSENTATION DES LUMINAIRES LED LUMINATION™DE GE

Aesthetics
Esthétique

In a development that has redefined the art of illumination, we have created a radically different LED system that takes the form of thin, flat plates of light. The first true alternative to LFLs, Lumination™ LED Luminaires mark the beginning of a new era in office lighting.

Dans le cadre d'un développement ayant redéfini l'art de l'éclairage, nous avons créé un système LED radicalement différent qui se présente sous la forme de fines plaques de lumière plates. Première réelle alternative aux LFL, les luminaires LED Lumination™ marquent le début d'une nouvelle ère dans l'éclairage bureautique.

The minimalist, ultra-thin profile of the Lumination™ LED Luminaire opens up creative opportunities that were simply unimaginable before. The first applications – recessed and suspended panels – will take it to another dimension entirely.

Le profil minimaliste et ultra-mince des luminaires LED Lumination™ offre des opportunités créatrices qui n'étaient pas concevables par le passé. Les premières applications - panneaux encastrés et suspendus - l'emporteront totalement dans une autre dimension.

- Perfect uniformity of light – no visible diodes or glare
- Slim profile suitable for ceilings with limited space
- Opaque or transparent finish for design versatility
- Recessed, suspended and linear versions
- Sleek, bright, ultra-modern appearance

- Parfaite uniformité de la lumière - aucune diode ni éblouissement visible
- Profil fin adapté aux plafonds ayant un espace limité
- Finition transparente ou opaque pour une souplesse de conception
- Versions encastré, suspendu et linéaire
- Apparence lisse, brillante et ultra-moderne

Efficiency
Efficacité

As an LED-based technology, Lumination™ solutions are inherently efficient, requiring fewer luminaires to more light for less energy. And like all our commercial lighting solutions – from traditional incandescent, halogen and compact fluorescent lamps to CMH and LED products – they are backed by intelligent control systems capable of enhancing efficiency further still.

HabiTEQ™ intelligent building control

GE's HabiTEQ™ building control system is among the most advanced of its kind, integrating not only lighting and energy management but a full range of subsystems including heating, ventilation, shutter control and safety monitoring.

Outstanding light quality

These stunning LED panels deliver a uniform light of exceptional CRI quality and lumen output, transforming the working environment. The quality of light alone is revolutionary; add energy savings of up to 50% compared with LFL, longer life and full dimming capability and you have a truly game changing solution.

Award Winner Product - Lumination™ 1200mm x 300mm suspended
Produits récompensés - Lumination™ 1 200 mm x 300 mm, encastré

NGL Design Competition was created to recognize and promote excellence in the design of energy-efficient LED commercial lighting luminaires.
NGL Design Competition a été créée pour reconnaître et promouvoir l'excellence dans la conception de luminaires d'éclairage commerciaux à LED énergétiquement efficaces.

En tant que technologie fondée sur les LED, les solutions Lumination™ sont fondamentalement efficaces, nécessitant moins de luminaires pour plus d'éclairage avec moins d'énergie. Et comme toutes nos solutions d'éclairage commercial, depuis les lampes traditionnelles à incandescence, halogènes ou fluorescentes compactes jusqu'aux produits CMH et LED, elles sont approuvées par des systèmes de contrôle intelligents capables d'améliorer encore leur efficacité.

HabiTEQ™ contrôle intelligent de bâtiment

Le système de contrôle de bâtiment HabiTEQ™ de GE est un des plus avancé du genre, intégrant non seulement la gestion de l'éclairage et de l'énergie mais également une gamme complète de sous-systèmes incluant le chauffage, la ventilation, le contrôle des volets et de la sécurité.

Remarquable qualité de lumière

Ces stupéfiants panneaux LED diffusent une lumière uniforme avec une qualité IRC et un rendement lumineux exceptionnels, transformant l'environnement de travail. La qualité de la lumière elle-même est révolutionnaire ; ajoutez-y des économies d'énergie allant jusqu'à 50 % par rapport aux LFL, une durée de vie plus longue et une possibilité de variation totale, et vous obtiendrez une réelle solution de changement novatrice.

Case Study / Etude de cas

Energy reduction at least 42% due to less fittings
Réduction d'énergie d'au moins 42 % grâce à moins d'équipements
42%

8% increase in the minimum/maximum illuminance
8 % d'augmentation de l'éclairement minimum/maximum
8%

37.5% reduction in number of luminaires (32 to 20)
37,5 % de réduction du nombre de luminaires (32 à 20)
37.5%

1% increase in uniformity of lighting even with less luminaires
1 % d'augmentation de l'uniformité d'éclairage, même avec moins de luminaires
1%

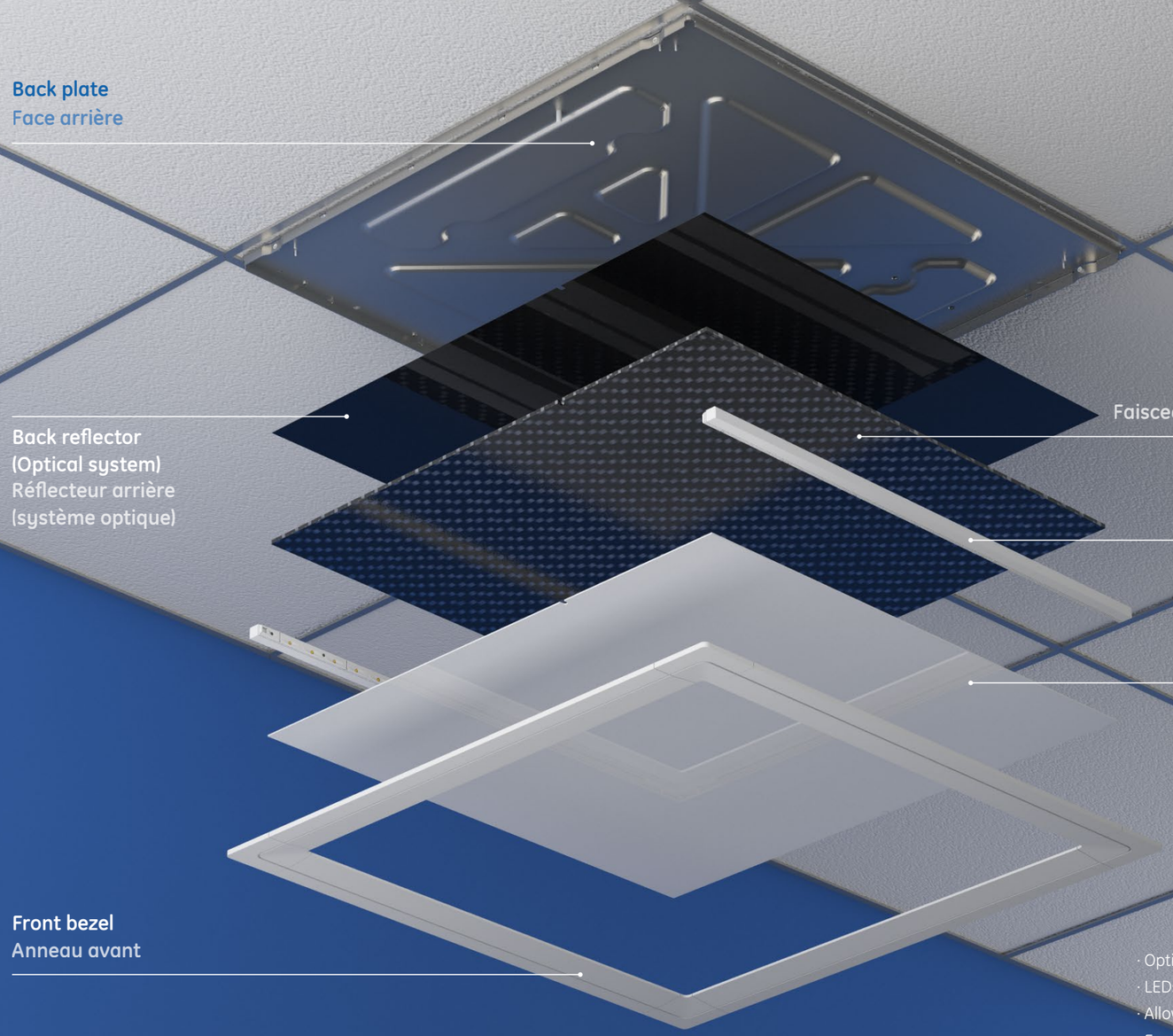
10.5% increase in illuminance to the task areas
10,5 % d'augmentation de l'éclairement pour les zones de travail
10.5%

Intrinsx™ Technology

Technologie Intrinsx™

Intrinsx™ Optical Technology
Lumination™ LED Luminaires combine high-powered LEDs with Intrinsx™ technology to maximize the performance, control and efficiency of every LED in this ultra-thin lighting fixture. This optical technology is embedded directly into the light guide, optimizing light distribution and optical efficiency up to 95%. These modern general lighting fixtures produce highly efficient, aesthetically pleasing diffused light with minimal glare.

Technologie optique Intrinsx™
Les luminaires LED Lumination™ associent des LED surpuissantes à la technologie Intrinsx™ afin d'augmenter la performance, le contrôle et l'efficacité de chaque LED, dans son boîtier d'éclairage ultrafin. Cette technologie optique est directement intégrée dans le guide optique, optimisant la distribution de la lumière et l'efficacité optique jusqu'à 95 %. Cette installation moderne d'éclairage général diffuse une lumière très efficace et esthétique agréable, avec un éblouissement minimal.



- Optical technology unique to GE
- LEDs and optics working together
- Allows superior uniformity
- Enables high efficiency

- Technologie optique propre à GE
- LED et optiques travaillent ensemble
- Diffusion plus uniforme
- Lumière plus efficace

green solution

Solution “verte”

Lower energy lamps, longer lasting lamps, less harmful materials (mercury) ... they're all ways in which environmental consciousness is driving new technologies, and the development of the GE Lumination™ LED Luminaire range is a prime example of how we're working towards lessening our impact – and that of GE Lighting end users – on our environment.

ENERGY EFFICIENCY AND INNOVATION

GE's Lumination™ LED Luminaires offer nearly the same light output with longer life and lower electricity consumption than the standard fluorescent fixtures they are designed to replace. This enables retail shops, offices, and other facilities to reduce their electricity costs and associated CO_2 emissions on the power grid.

Lumination™ LED Luminaires are qualified for GE's ecomagination portfolio, part of a major GE commitment to imagine and build innovative solutions to today's environmental challenges while driving economic growth.

See http://www.ecomagination.com/ for more details.

Des lampes à plus faible consommation, des lampes à durée de vie plus longues, des matériaux moins nocifs... tous ces moyens prenant en compte la conscience de l'environnement donnent naissance à de nouvelles technologies. Le développement de la gamme Luminaire LED Lumination™ de GE est un bel exemple de la façon dont nous travaillons pour réduire notre impact sur l'environnement - et celui des utilisateurs de produits GE Lighting.

EFFICACITÉ ET INNOVATION ÉNERGÉTIQUE

La gamme de luminaires LED Lumination™ de GE offre quasiment le même rendement lumineux que les autres lampes fluorescentes standards qu'elle est censée remplacer, avec une durée de vie plus longue et une consommation électrique plus faible. Cela permet aux magasins, bureaux et autres installations de réduire leurs coûts et les émission de CO_2, liés au réseau électrique.

La gamme de luminaires LED Lumination™ est en conformité avec le portefeuille écoimagination de GE, qui fait partie du principal engagement de GE visant à imaginer et élaborer des solutions innovantes pour répondre aux défis environnementaux actuels, tout en suivant la croissance économique.

Pour plus de détails, rendez-vous sur http://www.ecomagination.com/.

a product of

ecomagination[S]

Inventive, sustainable lighting solutions designed to benefit end users and the environment

Des solutions d'éclairage inventives et durables conçues pour améliorer le quotidien des utilisateurs et l'environnement.



03

INNOVATION – EXCITING NEW SOLUTIONS
INNOVATION - NOUVELLES SOLUTIONS PASSIONNANTES

New innovations
Nouvelles innovations

The introduction in 2012 of the first Lumination™ LED Luminaires has changed the face of interior lighting design and this is only the beginning. Over the coming years this range will see the development of more and more exciting new luminaire solutions.

Here's just a taster of what to look out for the next years.

- Lumination™ Indirect Recessed
- Lumination™ Indirect Suspended
- Lumination™ Recessed 1200mm x 600mm
- Lumination™ Recessed 1200mm x 150mm
- Lumination™ Linear Recessed
- Lumination™ Linear Suspended

- Infusion™ Track Spots
- LED Stand Alone Emergency

L'introduction en 2012 des premiers luminaires LED Lumination™ a révolutionné la conception de l'éclairage intérieur. Et ce n'est que le début. Durant les années à venir, cette gamme verra se développer de plus en plus de nouvelles solutions d'éclairage passionnantes.

Voici un avant-goût de ce que vous pourrez voir ces prochaines années.

- Lumination™ indirect, encastré
- Lumination™ indirect, suspendu
- Lumination™ encastré, 1 200 mm x 600 mm
- Lumination™ encastré, 1 200 mm x 150 mm
- Lumination™ linéaire, encastré
- Lumination™ linéaire, suspendu

- Infusion™ Spots sur rail
- Bloc autonome de LED



04

PRODUCT SPECIFICATIONS –GE LUMINATION™
CARACTÉRISTIQUES DES PRODUIT - LUMINATION™ DE GE

Lumination™ LED Luminaires
Luminaires LED Lumination™

600MM X 600MM RECESSED
600 MM X 600 MM, ENCASTRÉ

Office
Bureau

Retail
Magasin

Education
Éducation

Healthcare
Services de santé

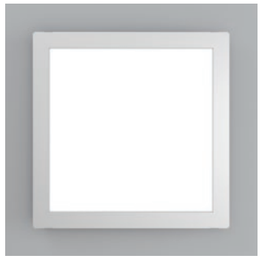
These innovative 600 x 600 mm recessed luminaires provide the opportunity to transform general lighting into something special, a solution that combines efficient performance with ultra-smooth styling. Illuminated, the panels deliver exceptional uniform light; switched off, they appear completely free of a visible light source.

- 600 x 600 mm recessed fitting
- Sleek, clean styling with white frame
- Uniform light distribution
- Long rated life (50,000 hours @ L85)
- Energy efficient lighting luminaire
- Intrinsx™ Optical Technology

Ces luminaires encastrés innovants de 600 x 600 mm offrent la possibilité de transformer un éclairage général en une ambiance particulière, une solution qui associe une performance efficace à un style ultra-doux. Une fois allumés, les panneaux offrent un éclairage uniforme exceptionnel ; une fois éteints, la source de lumière n'est plus visible.

- 600 x 600 mm, installation encastrée
- Style lisse et clair avec un cadre blanc
- Distribution uniforme de la lumière
- Longue durée de vie nominale (50 000 heures à L85)
- Éclairage éco-énergétique
- Technologie optique Intrinsx™

Ultra-thin form factor with integrated driver for easy installation.
Forme ultrafine avec pilote intégré pour une installation facilitée



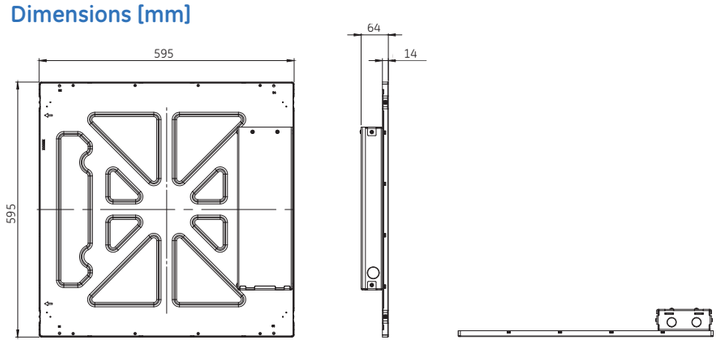




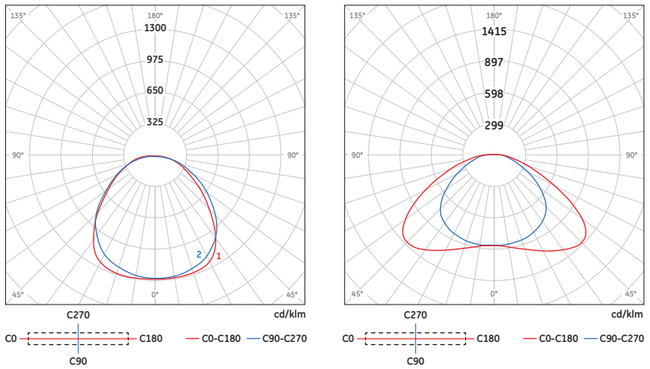
Lumination™ LED Luminaires
Luminaires LED Lumination™

600MM X 600MM RECESSED
600 MM X 600 MM, ENCASTRÉ

Dimensions [mm]



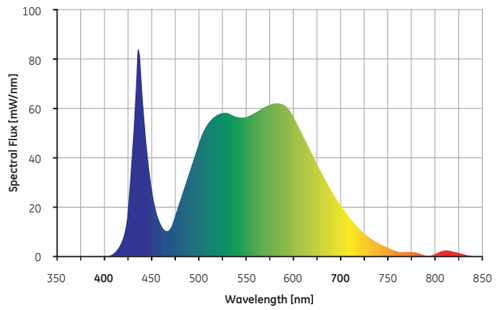
Light Output
Rendement lumineux



Medium distribution / Distribution moyenne

Wide distribution / Distribution large

Spectral Distribution
Distribution spectrale

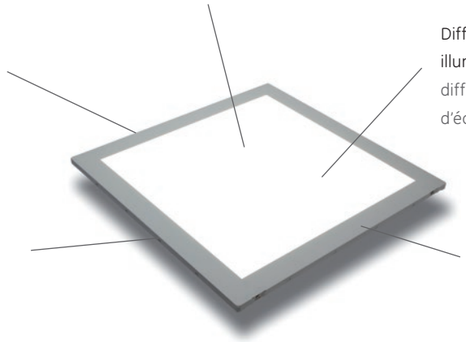


Medium Distribution/ Distribution moyenne

Ceilings have a non-disruptive aesthetic, appearing free of a visible light source — even when the light is off. Les plafonds ont un aspect harmonieux et les sources de lumière ne se voient pas, même lorsque la lampe est éteinte.

High-powered white LEDs provide high CRI and energy efficient lighting for general lighting applications. Les LED blanches surpuissantes proposent un IRC élevé et un éclairage éco-énergétique pour des applications d'éclairage générales.

Ultra-thin trim (14mm) allows installation in very shallow ceiling plenums. La taille ultrafine (14 mm) permet une installation dans des faux-plafonds très minces.



Diffused lens gives an evenly illuminated appearance. La lumière diffusée donne une sensation d'éclairage uniforme.

Easy to install in the most common T-bar ceiling grids. Facile à installer dans la plupart des plafonniers en T.

Basic Data / Données de base

Product Code Code produit	Product Description Description produit	Colour Temperature [K] Température de couleur [K]	Beam Pattern Modèle de faisceau	Ceiling Type Type de plafond	Dimming Controller Variateur d'intensité	Certification Authentification
66503	ET22-7A1AV-WHTE	3000	Medium Moyen	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	1-10V	CE
66501	ET22-7A2AV-WHTE	3500	Medium Moyen	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	1-10V	CE
66502	ET22-7A3AV-WHTE	4000	Medium Moyen	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	1-10V	CE
66506	ET22-7A1AD-WHTE	3000	Medium Moyen	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	DALI	CE
66504	ET22-7A2AD-WHTE	3500	Medium Moyen	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	DALI	CE
66505	ET22-7A3AD-WHTE	4000	Medium Moyen	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	DALI	CE
66509	ET22-7B1AV-WHTE	3000	Wide Large	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	1-10V	CE
66507	ET22-7B2AV-WHTE	3500	Wide Large	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	1-10V	CE
66508	ET22-7B3AV-WHTE	4000	Wide Large	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	1-10V	CE
66512	ET22-7B1AD-WHTE	3000	Wide Large	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	DALI	CE
66510	ET22-7B1AD-WHTE	3500	Wide Large	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	DALI	CE
66511	ET22-7B1AD-WHTE	4000	Wide Large	600mm x 600mm, 15mm or 24mm exposed tee grid 600 mm x 600 mm, 15 mm ou 24 mm profil en té exposé	DALI	CE

Specifications / Caractéristiques

Input Voltage / Tension d'entrée [V]	120-277
Input Power / Puissance d'entrée [W]	50
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60
Power Factor / Facteur de puissance	> 0.9
Lumen Output [lm] Rendement lumineux [lm]	3200 (3000K) 3400 (3500K) 3700 (4000K)
CCT [K]	3000 / 3500 / 4000
CRI / IRC	80
Efficiency / Efficacité [lm/W]	64 (3000K) / 68 (3500K) / 74 (4000K)
Control / Contrôle	1-10V or DALI / 1-10 V ou DALI
Ceilings Plafonds	15mm or 24 mm exposed tee grid ceiling 15 mm ou 24 mm profil en té exposé
Life / Durée de vie (L85, h)	50,000
Warranty / Garantie	5 years / 5 ans
Files Available Fichiers disponibles	LM79, LM80, TM21 & IES

Dimensions (with electrical enclosure) Dimensions (avec le boîtier électrique)	595 mm x 595 mm x 63 mm
Weight / Poids [kg]	< 7
Operating Temperature Range Plage de températures de fonctionnement	-10°C to + 25°C -10°C to + 25°C
Humidity (non-condensing) Humidité (sans condensation)	20-80% Non-condensing, dry locations only 20-80 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 60°C -40 °C à + 60 °C
IP Rating (general) / Indice IP (général)	IP30
IP rating (front face only) Indice IP (face avant uniquement)	IP54
UGR	UGR <19/22 depending on beam pattern for office applications in compliance with EN 12464 UGR <19/22 en fonction du modèle de faisceau pour les applications bureautiques en accord avec la norme EN 12464

Lumination™ LED Luminaires
Luminaires LED Lumination™

1200MM X 300MM RECESSED
1 200 MM X 300 MM, ENCASTRÉ

Office
Bureau

Retail
Magasin

Education
Éducation

Healthcare
Services de santé

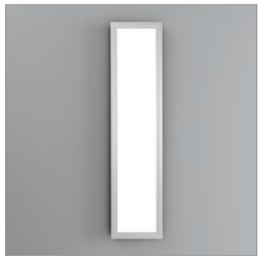
Adding beautiful ambient light to any space, this 1200 x 300 mm luminaire features Intrinsx™ technology to maximize the performance, control and efficiency of every high-powered LED in this ultra-thin lighting fixture. Its sleek white styling gives it a non-disruptive aesthetic, fitting flush with the ceiling.

- 1200 x 300 mm recessed fitting
- Sleek, clean styling with white frame
- Uniform light distribution
- Long rated life (50,000 hours @ L85)
- Energy efficient lighting luminaire
- Intrinsx™ Optical Technology

En créant un joli éclairage d'ambiance dans n'importe quel espace, ce luminaire de 1 200 x 300 mm est équipé de la technologie Intrinsx™ afin d'améliorer la performance, le contrôle et l'efficacité de toute LED surpuissante dans cette installation d'éclairage ultrafine. Sa conception blanche et lisse présente un aspect harmonieux, faisant corps avec le plafond.

- 1 200 x 300 mm, installation encastrée
- Style lisse et clair avec un cadre blanc
- Distribution uniforme de la lumière
- Longue durée de vie (50 000 heures à L85)
- Luminaire d'éclairage éco-énergétique
- Technologie optique Intrinsx™

Streamlined styling that appears free of a visible light source.
Design épuré qui n'est plus visible une fois éteint.



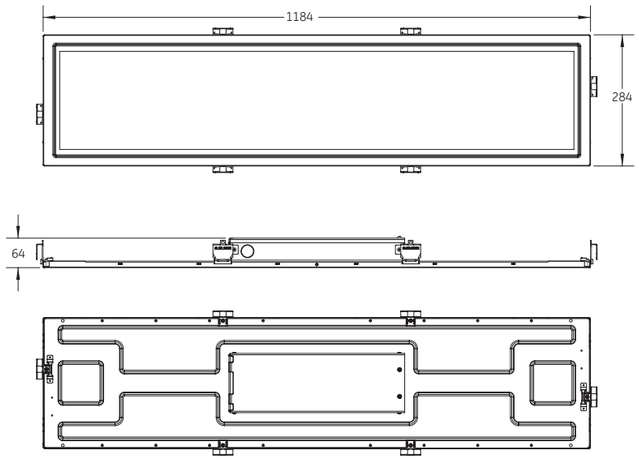




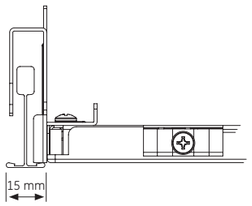
Lumination™ LED Luminaires
Luminaires LED Lumination™

1200MM X 300MM RECESSED
1200 MM X 300 MM, ENCASTRÉ

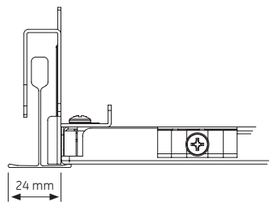
Dimensions [mm]



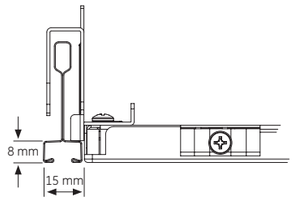
15 mm exposed tee grid
15 mm profil en té exposé



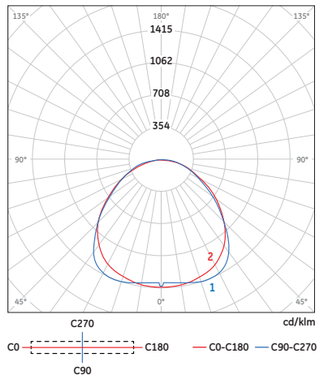
24 mm exposed tee grid
24 mm profil en té exposé



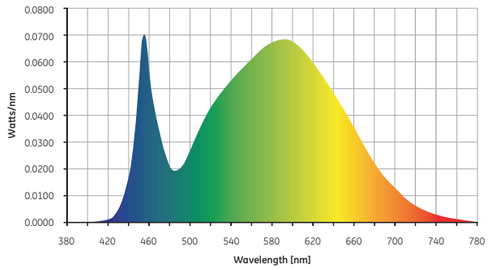
15/8 mm designer grid
15/8 mm profil concepteur



Light Output
Rendement lumineux



Spectral Distribution
Distribution spectrale



Basic Data / Données de base
'Low lumen' version / Version « faible luminosité »

Product Code Code produit	Product Description Description produit	Colour Temperature Température de couleur [K]	Beam Pattern Modèle de faisceau	Ceiling Type Type de plafond	Lumen Output Rendement lumineux	Dimming Controller Variateur d'intensité	Certification Authentification
67380	ET147A1AVWHTE	3000	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	3750	1-10V	CE
67378	ET147A2AVWHTE	3500	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	3750	1-10V	CE
67379	ET147A3AVWHTE	4000	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	4000	1-10V	CE
67383	ET147A1ADWHTE	3000	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	3750	DALI	CE
67381	ET147A2ADWHTE	3500	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	3750	DALI	CE
67382	ET147A3ADWHTE	4000	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	4000	DALI	CE
67386	ET147A1BVWHTE	3000	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	3750	1-10V	CE
67384	ET147A2BVWHTE	3500	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	3750	1-10V	CE
67385	ET147A3BVWHTE	4000	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	4000	1-10V	CE
67389	ET147A1BDWHTE	3000	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	3750	DALI	CE
67387	ET147A2BDWHTE	3500	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	3750	DALI	CE
67388	ET147A3BDWHTE	4000	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	4000	DALI	CE

Basic Data / Données de base
'High lumen' version / Version « forte luminosité »

Product Code Code produit	Product Description Description produit	Colour Temperature Température de couleur [K]	Beam Pattern Modèle de faisceau	Ceiling Type Type de plafond	Lumen Output Rendement lumineux	Dimming Controller Variateur d'intensité	Certification Authentification
68988	ET147C1AVWHTE	3000	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	4200	1-10V	CE
68986	ET147C2AVWHTE	3500	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	4200	1-10V	CE
68987	ET147C3AVWHTE	4000	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	4500	1-10V	CE
68991	ET147C1ADWHTE	3000	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	4200	DALI	CE
68989	ET147C2ADWHTE	3500	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	4200	DALI	CE
68990	ET147C3ADWHTE	4000	Medium Moyen	1200mm x 300mm, 15mm or 24mm exposed tee grid 1 200 mm x 300 mm, 15 mm ou 24 mm profil en té exposé	4500	DALI	CE
68997	ET147C1BVWHTE	3000	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm / 8 mm profil concepteur	4200	1-10V	CE
68995	ET147C2BVWHTE	3500	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm / 8 mm profil concepteur	4200	1-10V	CE
68996	ET147C3BVWHTE	4000	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm / 8 mm profil concepteur	4500	1-10V	CE
69000	ET147C1BDWHTE	3000	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm / 8 mm profil concepteur	4200	DALI	CE
68998	ET147C2BDWHTE	3500	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm / 8 mm profil concepteur	4200	DALI	CE
68999	ET147C3BDWHTE	4000	Medium Moyen	1200mm x 300mm, 15mm / 8mm designer grid 1 200 mm x 300 mm, 15 mm / 8 mm profil concepteur	4500	DALI	CE

Specifications / Caractéristiques

	4000 lumen/350mAmp 4 000 lumen/350 mAmp	4500 lumen/400mAMP 4 500 lumen/400 mAMP
Input Voltage [V] Tension d'entrée [V]	120-277	120-277
Input Power [W] Puissance d'entrée [W]	47	54
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60	50/60
Power Factor Facteur de puissance	> 0.9	> 0.9
Lumen Output [lm] Rendement lumineux [lm]	3750 (3000K) 3750 (3500K) 4000 (4000K)	4200 (3000K) 4200 (3500K) 4500 (4000K)
CCT [K]	3000 3500 4000	3000 3500 4000
CRI / IRC	80	80
Efficiency [lm/W] Efficacité [lm/W]	80 (3000K) 80 (3500K) 85 (4000K)	78 (3000K) 78 (3500K) 83 (4000K)
Control /Contrôle	1-10V or DALI / 1-10 V ou DALI	1-10V or DALI / 1-10 V ou DALI
Ceilings Plafonds	15mm or 24mm exposed tee grid ceiling or 15mm / 8mm designer grid 15 mm ou 24 mm profil en té exposé ou 15 mm / 8 mm profil concepteur	15mm or 24mm exposed tee grid ceiling or 15mm / 8mm designer grid 15 mm ou 24 mm profil en té exposé ou 15 mm / 8 mm profil concepteur
Life (L85, h) / Durée de vie (L85, h)	50,000	50,000
Warranty / Garantie	5 years / 5 ans	5 years / 5 ans
Files Available / Fichiers disponibles	LM 79, LM80, TM21 & IES	LM 79, LM80, TM21 & IES
Dimensions (with electrical enclosure) Dimensions (avec boîtier électrique)	1184 mm x 284 mm x 64 mm	1184 mm x 284 mm x 64 mm
Weight [kg] / Poids [kg]	< 8	< 8
Operating Temperature Range Plage de températures en fonctionnement	-10°C to + 35°C -10 °C à + 35 °C	-10°C to + 35°C -10 °C à + 35 °C
Humidity (non-condensing) Humidité (sans condensation)	20 to 80% Non-condensing, dry locations only 20 à 80 % sans condensation, emplacements secs uniquement	20 to 80% Non-condensing, dry locations only 20 à 80 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 60°C -40 °C à + 60 °C	-40°C to + 60°C -40 °C à + 60 °C
IP Rating / Indice IP	IP30	IP30

UGR <19/22 depending on beam pattern for office applications in compliance with EN 12464

UGR <19/22 en fonction du modèle de faisceau pour les applications bureautiques en accord avec la norme EN 12464

GE Lighting reserves the right to amend the technical data and the drawings.

GE Lighting se réserve le droit de modifier les données techniques et les illustrations.

Lumination™ LED Luminaires
Luminaires LED Lumination™

1200MM X 600MM RECESSED
1 200 MM X 600 MM, ENCASTRÉ

Office
Bureau

Retail
Magasin

Education
Éducation

Healthcare
Services de santé

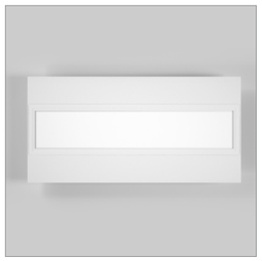
This sleek 1200×600 mm luminaire delivers a beautiful ambient light to any space. Intrinsx™ technology ensures maximum performance, control and efficiency of every high-powered LED in this ultra-thin lighting fixture, while its attractive, flush-fitting styling gives it a non-disruptive aesthetic.

- 1200 x 600 mm recessed fitting
- Sleek, flush-fitting design
- Uniform attractive ambient light
- Long rated life (50,000 hours @ L85)
- LED energy efficiency
- Intrinsx™ Optical Technology

Ce luminaire lisse de 1 200 x 600 mm crée un joli éclairage d'ambiance dans n'importe quel espace. La technologie Intrinsx™ assure performance, contrôle et efficacité maximum de toute LED surpuissante dans cette installation d'éclairage ultrafine. Sa conception séduisante et affleurante présente un aspect harmonieux, faisant corps avec le plafond.

- 1 200 x 600 mm, installation encastrée
- Conception lisse et affleurante
- Eclairage ambiant uniforme et attrayant
- Longue durée de vie (50 000 heures à L85)
- Luminaire d'éclairage éco-énergétique
- Technologie optique Intrinsx™

Sleek attractive styling in a clean white frame.
Design attrayant et lisse dans un cadre propre et blanc.



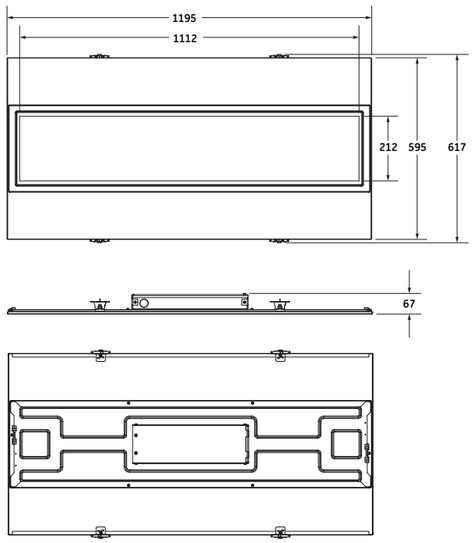




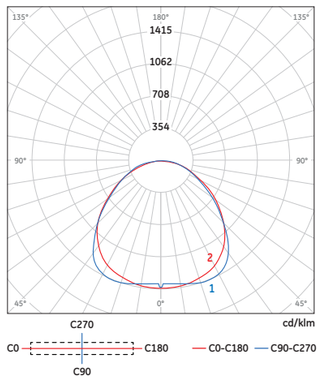
Lumination™ LED Luminaires
Luminaires LED Lumination™

1200MM X 600MM RECESSED
1200 MM X 600 MM, ENCASTRÉ

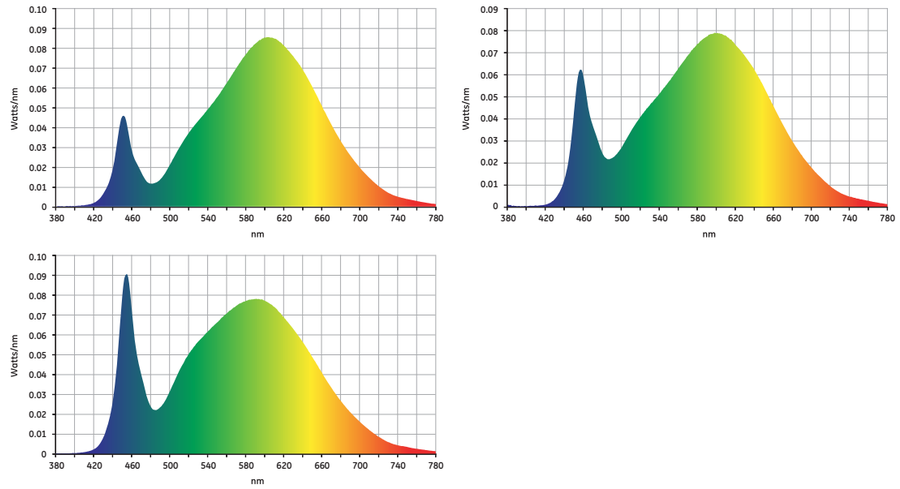
Dimensions [mm]



Light Output
Rendement lumineux



Spectral Distribution
Distribution spectrale



Basic Data / Données de base
'Low lumen' version / Version « faible luminosité »

Product Code Code produit	Product Description Description produit	Colour Temperature Température de couleur [K]	Beam Pattern Modèle de faisceau	Ceiling Type Type de plafond	Lumen Output Rendement lumineux	Dimming Controller Variateur d'intensité	Certification Authentification
67610	ET247A1AVWHTE	3000	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	3750	1-10V	CE
67608	ET247A2AVWHTE	3500	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	3750	1-10V	CE
67609	ET247A3AVWHTE	4000	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	4000	1-10V	CE
67613	ET247A1ADWHTE	3000	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	3750	DALI	CE
67611	ET247A2ADWHTE	3500	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	3750	DALI	CE
67612	ET247A3ADWHTE	4000	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	4000	DALI	CE

Basic Data / Données de base
'High lumen' version / Version « forte luminosité »

Product Code Code produit	Product Description Description produit	Colour Temperature Température de couleur [K]	Beam Pattern Modèle de faisceau	Ceiling Type Type de plafond	Lumen Output Rendement lumineux	Dimming Controller Variateur d'intensité	Certification Authentification
69210	ET247C1AVWHTE	3000	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	4200	1-10V	CE
69208	ET247C2AVWHTE	3500	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	4200	1-10V	CE
69209	ET247C3AVWHTE	4000	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	4500	1-10V	CE
69213	ET247C1ADWHTE	3000	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	4200	DALI	CE
69211	ET247C2ADWHTE	3500	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	4200	DALI	CE
69212	ET247C3ADWHTE	4000	Medium Moyen	1200×600, 15mm or 24mm exposed tee grid	4500	DALI	CE

Specifications / Caractéristiques

	ET24 A-series	ET24 C-series
Input Voltage Tension d'entrée	120-277V	120-277V
Input Power Puissance d'entrée	47W	54W
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60Hz	50/60Hz
Power Factor Facteur de puissance	> 0.9	> 0.9
Lumen Output [lm] Rendement lumineux [lm]	3750 (3000K) 3750 (3500K) 4000 (4000K)	4200 (3000K) 4200 (3500K) 4500 (4000K)
Efficiency [lm/W] Efficacité [lm/W]	80 (3000K) 80 (3500K) 85 (4000K)	78 (3000K) 78 (3500K) 83 (4000K)
CCT	3000, 3500, 4000	3000, 3500, 4000
Min CRI / IRC min.	80	80
Control Contrôle	1-10V or DALI 1-10 V ou DALI	1-10V or DALI 1-10 V ou DALI
Life [L85, h] / Durée de vie [L85, h]	50,000	50,000
Warranty / Garantie	5 years / 5 ans	5 years / 5 ans
Files Available / Fichiers disponibles	LM79, LM80, TM21 & IES	LM79, LM80, TM21 & IES
Dimensions (with electrical enclosure) Dimensions (avec le boîtier électrique)	1195mm x 595 mm x 67 mm	1195mm x 595 mm x 67 mm
Weight / Poids [kg]	<11kg	<11kg
Environmental Operating Temperature Range Plage environnementale de températures en fonctionnement	-10°C to +35°C -10 °C à +35 °C	-10°C to +35°C -10 °C à +35 °C
Environmental Humidity (non-condensing) Humidité environnementale (sans condensation)	20 to 80% Non-condensing, dry & damp location rated / 20 à 80 %, coté pour des emplacements sans condensation, humides & secs	20 to 80% Non-condensing, dry & damp location rated / 20 à 80 %, coté pour des emplacements sans condensation, humides & secs
Environmental Storage Temperature Range / Plage environnementale de températures d'entreposage	-40°C to +60°C -40 °C à +60 °C	-40°C to +60°C -40 °C à +60 °C
IP Rating / Indice IP	IP30	IP30

GE Lighting reserves the right to amend the technical data and the drawings. / GE Lighting se réserve le droit de modifier les données techniques et les illustrations.

Lumination™ LED Luminaires
Luminaires LED Lumination™

1200MM X 300MM SUSPENDED
1 200 MM X 300 MM, SUSPENDU

Office
Bureau

Retail
Magasin

Education
Éducation

Healthcare
Services de santé

This 1200 x 300 mm luminaire showcases everything that's innovative and exciting about Lumination™. Suspended from the ceiling, this strikingly beautiful luminaire combines brilliant aesthetics with space-filling light, all contained within a premium-quality aluminium. And when it's switched off, clear lens means there's no visible light source.

- 1200 x 300 mm suspended fitting
- Premium styling with aluminium frame
- Clear glass for a clean, open feel
- Uniform light distribution
- Energy efficient lighting luminaire
- Intrinsx™ Optical Technology

Ce luminaire de 1 200 x 300 mm met en valeur toute l'innovation et l'émotion de Lumination™. Suspendu au plafond, ce magnifique luminaire associe une esthétique remarquable à une lumière emplissant tout l'espace, le tout contenu dans un coffret aluminium de première qualité. Et une fois éteint, la lentille claire transparente fait disparaître la source de lumière.

- 1 200 x 300 mm, installation suspendu
- Style remarquable avec un cadre en aluminium
- Verre transparent pour une sensation de clarté et d'ouverture
- Distribution uniforme de la lumière
- Luminaire d'éclairage éco-énergétique
- Technologie optique Intrinsx™

Slim bright sheets of light that open up a wealth of new design opportunities.
De fins rais de lumière brillante qui ouvrent une profusion de nouvelles opportunités de conception.



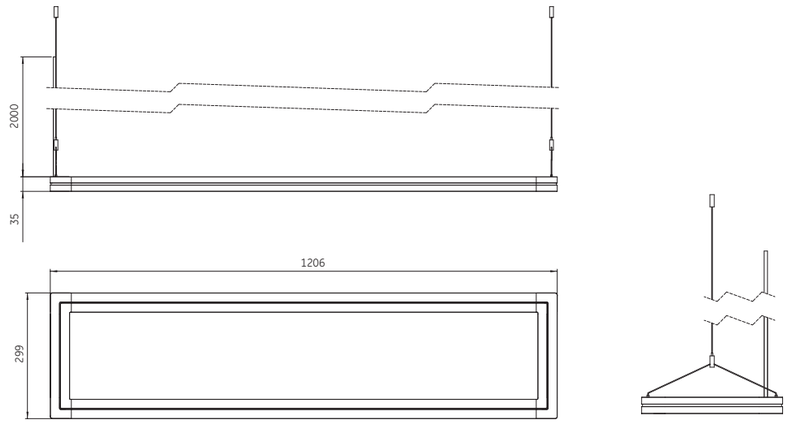




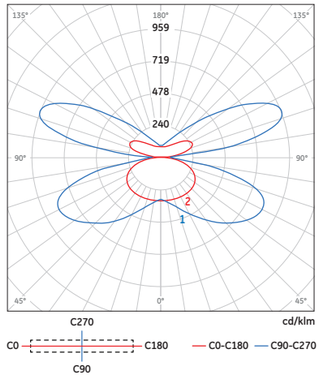
Lumination™ LED Luminaires
Luminaires LED Lumination™

1200MM X 300MM SUSPENDED
1 200 MM X 300 MM, SUSPENDU

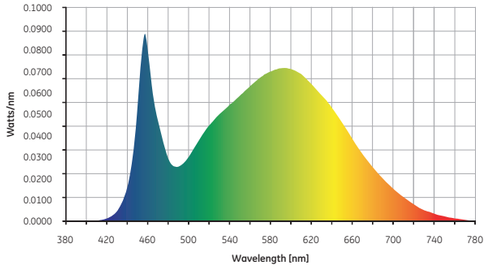
Dimensions [mm]



Light Output
Rendement lumineux



Spectral Distribution
Distribution spectrale



1200x300 Suspended Lumination™ / Lumination™ suspendu 1200 x 300

Product Code Code produit	Product Description Description produit	CCT CCT	Beam Pattern Modèle de faisceau	Dimming Controller Variateur d'intensité	Certification Authentification
67646	EP147A1CVSLVR	3000K	Medium / Moyen	1-10V	CE
67644	EP147A2CVSLVR	3500K	Medium / Moyen	1-10V	CE
67645	EP147A3CVSLVR	4000K	Medium / Moyen	1-10V	CE
67649	EP147A1CDSLVR	3000K	Medium / Moyen	DALI	CE
67647	EP147A2CDSLVR	3500K	Medium / Moyen	DALI	CE
67648	EP147A3CDSLVR	4000K	Medium / Moyen	DALI	CE

Specifications / Caractéristiques

Input Voltage Tension d'entrée	120-277V
Input Power Puissance d'entrée	55W
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60Hz
Power Factor Facteur de puissance	> 0.9
Lumen Output [lm] Rendement lumineux [lm]	3900lm (3000K) 4000lm (3500K) 4200lm (4000K)
Efficiency [lm/W] Efficacité [lm/W]	71 (3000K) 73 (3500K) 76 (4000K)
CCT	3000, 3500, 4000
Min CRI / IRC min.	80
Control Contrôle	1-10V or DALI 1-10 V ou DALI
Life [L85, h] / Durée de vie [L85, h]	50,000
Warranty / Garantie	5 years / 5 ans
Files Available / Fichiers disponibles	LM79, LM80, IES

Physical Specifications / Caractéristiques physiques	
Light Fixture Dimensions Dimensions de l'installation du luminaire	1206mm x 299 mm x 35 mm
Driver Enclosure Dimensions: Dimensions du boîtier de commande	128.1 mm x 380 mm x 49.8 mm
Light Fixture Weight Poids de l'installation du luminaire	6.5kg
Driver Enclosure Weight: Poids du boîtier de commande	2.0kg
Environmental Specifications / Caractéristiques environnementales	
Environmental Operating Temperature Range Plage environnementale de températures en fonctionnement	-10°C to +40°C -10 °C à +40 °C
Environmental Humidity (non-condensing) Humidité environnementale (sans condensation)	20 to 80% Non-condensing, dry & damp location rated / 20 à 80 %, coté pour des emplacements sans condensation, humides & secs
Environmental Storage Temperature Range / Plage environnementale de températures d'entreposage	-40°C to +60°C -40 °C à +60 °C
IP Rating / Indice IP	IP30

GE Lighting reserves the right to amend the technical data and the drawings. / GE Lighting se réserve le droit de modifier les données techniques et les illustrations.

Lumination™ LED Luminaires
Luminaires LED Lumination™

1200MM X 100MM, 1500MM X 100MM RECESSED
1 200 MM X 100 MM, 1500 MM X 100 MM ENCASTRÉ

Office
Bureau

Retail
Magasin

Education
Éducation

Healthcare
Services de santé

Hospitality
Services de santé

Bring the stunning style and performance of Lumination™ LED solutions to narrow installations with this 1200 x 100 mm luminaire. These modern general lighting fixtures produce highly efficient, aesthetically pleasing diffused light with minimal glare, while their clean, smooth lines open up new creative possibilities.

- 1200 x 100 mm recessed fitting
- Sleek, clean styling with white frame
- Uniform light distribution
- Long rated life
- Energy efficient lighting luminaire
- Intrinsx™ Optical Technology

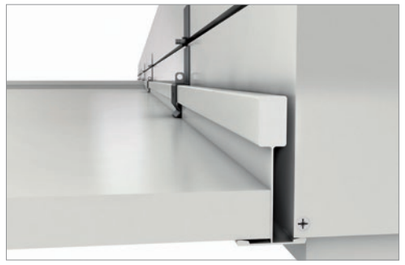
Grâce à ce luminaire de 1 200 x 100 mm, offrez aux petites installations le style et la performance stupéfiants des solutions LED Lumination™. Ces installations d'éclairage général modernes diffusent une agréable lumière, très efficace et esthétique, avec un éblouissement minimal, alors que les lignes claires et douces apportent de nouvelles possibilités créatives.

- 1 200 x 100 mm, installation encastrée
- Style clair et lisse avec un cadre blanc
- Distribution uniforme de la lumière
- Longue durée de vie
- Luminaire d'éclairage éco-énergétique
- Technologie optique Intrinsx™

Narrow form and ultra-slim construction mean outstanding design flexibility.

Sa forme fine et sa construction ultra-mince offrent une remarquable souplesse de conception.



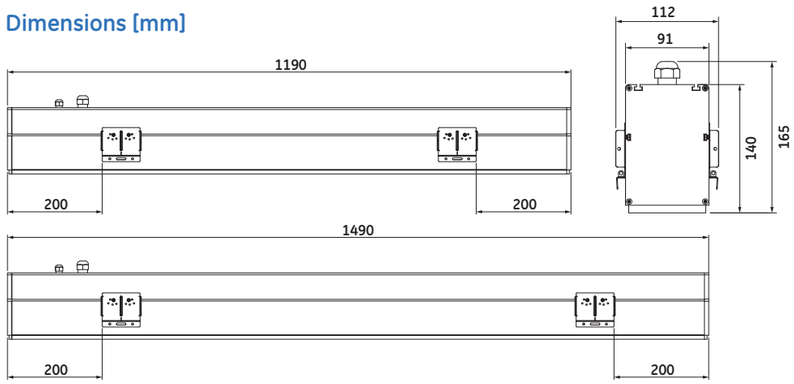




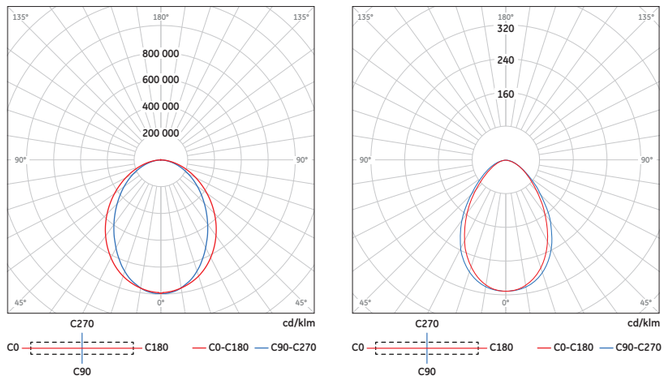
Lumination™ LED Luminaires
Luminaires LED Lumination™

1200MM X 100MM, 1500MM X 100MM RECESSED
1 200 MM X 100 MM, 1500 MM X 100 MM ENCASTRÉ

Dimensions [mm]



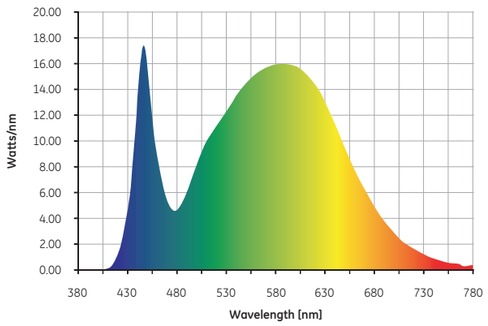
Light Output
Rendement lumineux



Medium Distribution / Distribution moyenne

Narrow Distribution / Distribution fine

Spectral Distribution
Distribution spectrale



1200x100 Recessed Lumination / 1 200 x 100, Lumination encastré

Product Code Code produit	Product Description Description produit	Colour Temperature [K] Température de couleur [K]	Beam Pattern Modèle de faisceau	Ceiling Type Type de plafond	Dimming Controller Variateur d'intensité	Certification Authentification
68265	BL447A2AVWHTE 100x1200 0-10V 3500K MED	3500	Medium / Moyen	1200mm x 100mm, 15mm or 24mm exposed tee grid & 15mm / 8mm designer grid 1 200 mm x 100 mm, 15 mm ou 24 mm profil en té exposé & 15 mm / 8 mm profil concepteur	1-10V	CB/CE
68266	BL447A3AVWHTE 100x1200 0-10V 4000K MED	4000	Medium / Moyen		1-10V	CB/CE
68267	BL447A1AVWHTE 100x1200 0-10V 3000K MED	3000	Medium / Moyen		1-10V	CB/CE
68268	BL447A2ADWHTE 100x1200 DALI 3500K MED	3500	Medium / Moyen		DALI	CB/CE
68269	BL447A3ADWHTE 100x1200 DALI 4000K MED	4000	Medium / Moyen		DALI	CB/CE
68270	BL447A1ADWHTE 100x1200 DALI 3000K MED	3000	Medium / Moyen		DALI	CB/CE
69390	BL447A5AVWHTE 100x1200 0-10V 3500K MED	3500	Medium / Moyen		1-10V	CB/CE
69391	BL447A6AVWHTE 100x1200 0-10V 4000K MED	4000	Medium / Moyen		1-10V	CB/CE
69392	BL447A4AVWHTE 100x1200 0-10V 3000K MED	3000	Medium / Moyen		1-10V	CB/CE
69393	BL447A5ADWHTE 100x1200 DALI 3500K MED	3500	Medium / Moyen		DALI	CB/CE
69394	BL447A6ADWHTE 100x1200 DALI 4000K MED	4000	Medium / Moyen		DALI	CB/CE
69395	BL447A4ADWHTE 100x1200 DALI 3000K MED	3000	Medium / Moyen		DALI	CB/CE
68271	BL447B2AVWHTE 100x1200 0-10V 3500K NAR	3500	Narrow / Mince		1-10V	CB/CE
68272	BL447B3AVWHTE 100x1200 0-10V 4000K NAR	4000	Narrow / Mince		1-10V	CB/CE
68273	BL447B1AVWHTE 100x1200 0-10V 3000K NAR	3000	Narrow / Mince		1-10V	CB/CE
68274	BL447B2ADWHTE 100x1200 DALI 3500K NAR	3500	Narrow / Mince		DALI	CB/CE
68275	BL447B3ADWHTE 100x1200 DALI 4000K NAR	4000	Narrow / Mince		DALI	CB/CE
68276	BL447B1ADWHTE 100x1200 DALI 3000K NAR	3000	Narrow / Mince		DALI	CB/CE

Specifications / Caractéristiques

Input Voltage / Tension d'entrée [V]	230
Input Power / Puissance d'entrée [W]	High: 37W, Medium/Narrow: 25W Haut: 37W, Moyen/Mince: 25W
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60
Power Factor / Facteur de puissance	> 0.9
Lumen Output [lm] Rendement lumineux [lm]	High / Haut: 3000lm Medium / Moyen: 2000lm Narrow / Mince: 1700lm
CCT [K]	3000 / 3500 / 4000
CRI / IRC	80+
Efficiency / Efficacité [lm/W]	High/Medium: 80 lm/W Haut/Moyen: 80 lm/W Narrow / Mince: 70 lm/W
Control / Contrôle	1-10V or DALI / 1-10 V ou DALI
Ceilings Plafonds	15mm or 24mm exposed tee grid & 15mm / 8mm designer grid / 15 mm ou 24 mm profil en té exposé & 15 mm / 8 mm profil concepteur

Life (L85, h) / Durée de vie (L85, h)	50,000
Warranty / Garantie	5 years / 5 ans
Files Available Fichiers disponibles	LM79, LM80, TM21 & IES
Dimensions (with electrical enclosure) / Dimensions (avec boîtier électrique)	1200 mm x 165 mm x 100 mm
Weight [kg] / Poids [kg]	Medium / Moyen: 6.6 kg Narrow / Mince: 6.7 kg
Operating Temperature Range Plage de températures de fonctionnement	-10C to +35°C -10 °C à +35 °C
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 60°C -40 °C à + 60 °C
IP Rating / Indice IP	IP30

GE Lighting reserves the right to amend the technical data and the drawings. / GE Lighting se réserve le droit de modifier les données techniques et les illustrations.

1500x100 Recessed Lumination / 1 200 x 100, Lumination encastré

Product Code Code produit	Product Description Description produit	Colour Temperature [K] Température de couleur [K]	Beam Pattern Modèle de faisceau	Ceiling Type Type de plafond	Dimming Controller Variateur d'intensité	Certification Authentification
68217	BL457A2AVWHTE 100x1500 0-10V 3500K MED	3500	Medium / Moyen	1500mm x 100mm, 15mm or 24mm exposed tee grid & 15mm / 8mm designer grid 1 200 mm x 100 mm, 15 mm ou 24 mm profil en té exposé & 15 mm / 8 mm profil concepteur	1-10V	CB/CE
68218	BL457A3AVWHTE 100x1500 0-10V 4000K MED	4000	Medium / Moyen		1-10V	CB/CE
68219	BL457A1AVWHTE 100x1500 0-10V 3000K MED	3000	Medium / Moyen		1-10V	CB/CE
68220	BL457A2ADWHTE 100x1500 DALI 3500K MED	3500	Medium / Moyen		DALI	CB/CE
68221	BL457A3ADWHTE 100x1500 DALI 4000K MED	4000	Medium / Moyen		DALI	CB/CE
68222	BL457A1ADWHTE 100x1500 DALI 3000K MED	3000	Medium / Moyen		DALI	CB/CE
69366	BL457A5AVWHTE 100x1500 0-10V 3500K MED	3500	Medium / Moyen		1-10V	CB/CE
69367	BL457A6AVWHTE 100x1500 0-10V 4000K MED	4000	Medium / Moyen		1-10V	CB/CE
69368	BL457A4AVWHTE 100x1500 0-10V 3000K MED	3000	Medium / Moyen		1-10V	CB/CE
69369	BL457A5ADWHTE 100x1500 DALI 3500K MED	3500	Medium / Moyen		DALI	CB/CE
69370	BL457A6ADWHTE 100x1500 DALI 4000K MED	4000	Medium / Moyen		DALI	CB/CE
69371	BL457A4ADWHTE 100x1500 DALI 3000K MED	3000	Medium / Moyen		DALI	CB/CE
68223	BL457B2AVWHTE 100x1500 0-10V 3500K NAR	3500	Narrow / Mince		1-10V	CB/CE
68224	BL457B3AVWHTE 100x1500 0-10V 4000K NAR	4000	Narrow / Mince		1-10V	CB/CE
68225	BL457B1AVWHTE 100x1500 0-10V 3000K NAR	3000	Narrow / Mince		1-10V	CB/CE
68226	BL457B2ADWHTE 100x1500 DALI 3500K NAR	3500	Narrow / Mince		DALI	CB/CE
68227	BL457B3ADWHTE 100x1500 DALI 4000K NAR	4000	Narrow / Mince		DALI	CB/CE
68228	BL457B1ADWHTE 100x1500 DALI 3000K NAR	3000	Narrow / Mince		DALI	CB/CE

Specifications / Caractéristiques

Input Voltage / Tension d'entrée [V]	230
Input Power / Puissance d'entrée [W]	High: 45W, Medium/Narrow: 30W Haut: 45W, Moyen/Mince: 30W
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60
Power Factor / Facteur de puissance	> 0.9
Lumen Output [lm] Rendement lumineux [lm]	High / Haut: 3750lm Medium / Moyen: 2600lm Narrow / Mince: 2200lm
CCT [K]	3000 / 3500 / 4000
CRI / IRC	80+
Efficiency / Efficacité [lm/W]	High / Haut: 85 lm/W Medium / Moyen: 80 lm/W Narrow / Mince: 75 lm/W
Control / Contrôle	1-10V or DALI / 1-10 V ou DALI
Ceilings Plafonds	15mm or 24mm exposed tee grid & 15mm / 8mm designer grid / 15 mm ou 24 mm profil en té exposé & 15 mm / 8 mm profil concepteur

Life (L85, h) / Durée de vie (L85, h)	50,000
Warranty / Garantie	5 years / 5 ans
Files Available Fichiers disponibles	LM79, LM80, TM21 & IES
Dimensions (with electrical enclosure) / Dimensions (avec boîtier électrique)	1500 mm x 165 mm x 100 mm
Weight [kg] / Poids [kg]	Medium / Moyen: 8.0 kg Narrow / Mince: 8.2 kg
Operating Temperature Range Plage de températures de fonctionnement	-10C to +35°C -10 °C à +35 °C
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 60°C -40 °C à + 60 °C
IP Rating / Indice IP	IP30

Lumination™ LED Luminaires
Luminaires LED Lumination™

LINEAR SUSPENDED 1800MM & 1200MM
LINEAR SUSPENDED 1800 MM & 1200 MM

Retail
Magasin

Office
Bureau

The launch of this unique luminaire represents the arrival of a new generation of retail lighting. Sleek, slim and transparent when switched off, it delivers an exceptionally bright, uniform white light both vertically and horizontally, for outstanding shelf appeal and welcoming, brightly lit aisles. This new series brings the economy and performance of LED lighting to the retail sector, in a form that is at the same time discreet and dramatic.

- Long rated life (50,000 hours @ L85)
- Intrinsx™ Optical Technology
- Outstanding 360° light distribution
- Linear dimming for additional energy savings
- High/low lumen options
- Sensor control options

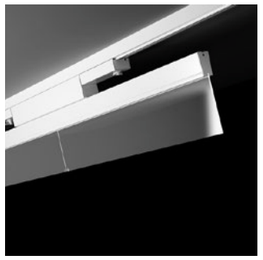
Le lancement de ce luminaire unique représente l'arrivée d'une nouvelle génération d'éclairage de magasins. Lisse, fin et transparent lorsqu'il est éteint, le luminaire fournit une lumière blanche très brillante et uniforme verticalement et horizontalement, pour des rayons attrayants et des allées accueillantes et bien éclairées. Cette nouvelle série apporte performances et économie de l'éclairage LED dans le domaine de la vente, dans une forme à la fois discrète et spectaculaire.

- Longue durée de vie (50 000 heures à L85)
- Technologie optique Intrinsx™
- Distribution exceptionnelle d'éclairage à 360°
- Gradation linéaire pour profiter d'économies d'énergie supplémentaires
- Options beaucoup/peu de lumens
- Options de contrôle sensoriel

Available in three mounting types – iTrack mount, cable suspension with remote driver and surface mount driver.
Luminaire disponible en trois types d'installation : installation iTrack, suspension caténaire avec pilote à distance et avec pilote intégré.



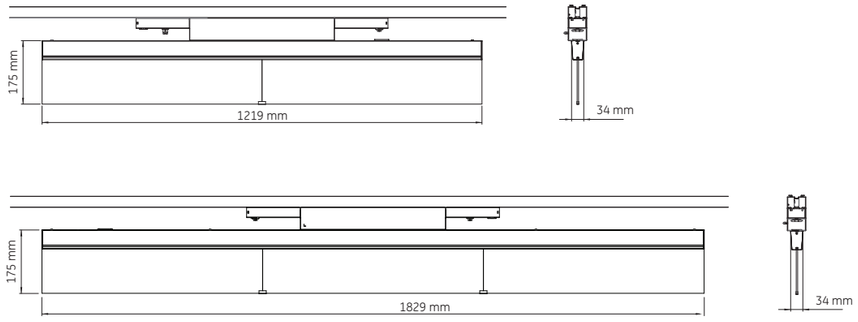




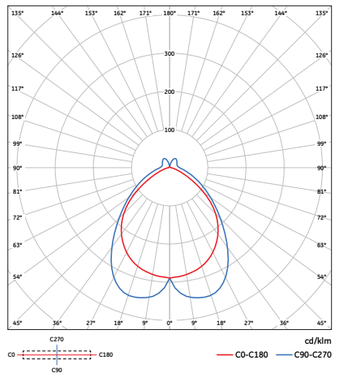
Lumination™ LED Luminaires
Luminaires LED Lumination™

LINEAR SUSPENDED 1800MM & 1200MM
LINEAR SUSPENDED 1800 MM & 1200 MM

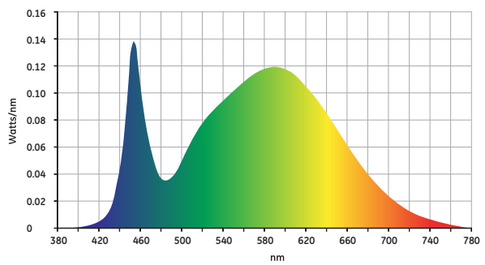
Dimensions [mm]



Light Output
Rendement lumineux



Spectral Distribution
Distribution spectrale



Basic Data / Données de base

Product Code Code produit	Product Description Description produit	Colour Temperature [K] Température de couleur [K]	Beam Pattern Modèle de faisceau	Ceiling Type Type de plafond	Lumen Output Rendement éimuneux	Dimming Controller Variateur d'intensité	Certification Authentification
98779	EL067A3WDWHTE 1800MM DALI 4000K TRACK	4000	Medium / Moyen	iTrack	9600	DALI/1-10V	CB/CE
98790	EL047A3WDWHTE 1200MM DALI 4000K TRACK	4000	Medium / Moyen	iTrack	6400	DALI/1-10V	CB/CE

Specifications / Caractéristiques

	98790	98779
Input Voltage [V] / Tension d'entrée [V]	220-240V	220-240V
Input Power [W] / Puissance d'entrée [W]	71W	104W
Input Frequency [Hz] / Fréquence d'entrée [Hz]	50/60Hz	50/60hZ
Power Factor / Facteur de puissance	>0.9	>0.9
Lumen Output [lm] / Rendement lumineux [lm]	6400	9600
CCT [K]	4000	4000
CRI / IRC	>80	>80
Efficiency [lm/W] / Efficacité [lm/W]	90	92
Control / Contrôle	DALI/1-10V	DALI/1-10V
Mounting / Montage	WhiteCroft iTrack system	
Life [h] / Durée de vie [h]	50.000	50.000
Warranty / Garantie	5 years	5 years
Files available / Fichiers disponibles	LM79, LM80, IES, LDT, DWG	
Dimensions / Dimensions	51×1200×265 mm	51×1800×265 mm
Weight [kg] / Poids [h]	2.7 kg	4.5 kg
Operation Temperature Range / Plages de températures de fonctionnement	-10°C to +40°C	
IP Rating / Indice IP	IP30	

05

DOWNLIGHT SOLUTIONS
SOLUTIONS SPOTS ENCASTRÉS

Introducing the Downlight range
Présentation de la gamme de spots encastrés

Downlight solutions for every application

While there is little doubt that LED technology represents the future for most lighting applications, choice and flexibility is just as important and it is for this reason that GE offers an extensive range of downlighters based on different technologies.

- Our flagship downlighter range is based on the Infusion™ module that meets the approved standards of the Zhaga consortium. This extremely versatile solution delivers best in class performance across a host of ambient and accent lighting applications.
- For many, GE's CMH Constant Colour™ remains the technology of choice for its bright white light, excellent lumen maintenance and ability be retro-fitted into existing luminaires, making this a very attractive upgrade route when light quality is critical.
- And thirdly there's GE's extensive range of Biax™ Compact Fluorescent Lamps, with their low cost and high lumen output.

In other words, whatever the requirement – office or retail, accent or ambient, new installation or retrofit – there's an appropriate, efficient and effective solution within the GE downlighter portfolio.

Des solutions de spots encastrés pour chaque application

Même si un doute subsiste quant au fait que la technologie LED représente l'avenir pour la plupart des applications d'éclairage, le choix et la souplesse sont aussi importants, et c'est pour cette raison que GE propose une gamme étendue de spots encastrés basés sur diverses technologies.

- Notre gamme vedette de spots encastrés est basée sur le module Infusion™ qui répond aux normes approuvées par le consortium Zhaga. Cette solution extrêmement polyvalente apporte les meilleures performances par le biais d'une foule d'applications d'éclairage d'ambiance et direct.
- Pour beaucoup, la technologie CMH Constant Colour™ de GE reste un excellent choix pour sa lumière blanche et claire, son excellente intensité lumineuse et la possibilité de la monter sur des luminaires existants, aspect très intéressant en ce qui concerne la mise à jour lorsque la qualité de la lumière est importante.
- Enfin, il existe une gamme étendue de lampes fluorescentes compactes Biax™ de GE, économiques et à fort rendement lumineux.

En d'autres mots, quelle que soit l'exigence (bureau ou magasin, lumière directe ou d'ambiance, nouvelle installation ou rénovation), une solution adéquate, efficace et économique existe au sein du portefeuille de spots encastrés de GE.



Energy efficiency. Sustainability.
Efficacité énergétique. Durabilité.

The breadth of choice and easy replacement/upgrades paths that exist across the GE Downlight range means that solutions are future-friendly and sustainable. Infusion™ LED lamps deliver a uniform white light with high CRI and lumen output, but quality of light is only part of the story.

A lifetime of 50,000 hours means low cost of ownership, while a simple twist-fit design – like that of traditional lamps – enables the entire LED module to be removed and replaced in seconds. So, as LED technology advances, there's no need to buy or develop new luminaires – just upgrade to the next generation of the GE Infusion™ LED Module.

Brilliant light, extended life and a future-friendly design – LED lighting comes of age.

Le large choix et la facilité de remplacement/mise à jour existant au sein de la gamme de spots encastrés de GE signifie que les solutions sont durables et respectueuses de l'avenir. Les lampes LED Infusion™ diffusent une lumière blanche uniforme avec un IRC et un rendement lumineux élevés, mais la qualité de la lumière n'est qu'un aspect.

Une durée de vie de 50 000 heures entraîne un faible coût d'utilisation, et une conception simple à vis (comme les lampes traditionnelles) permet à la totalité du module LED d'être enlevé et remplacé en quelques secondes. Par conséquent, au fur et à mesure des avancées de la technologie LED, il n'y a plus besoin d'acheter ou de développer de nouveaux luminaires : une simple mise à jour par rapport à la génération suivante de modules LED Infusion™ de GE suffit.

Une lumière brillante, une durée de vie plus longue et une conception respectueuse de l'avenir : l'éclairage LED amorce une ère nouvelle.







Light aesthetics
Esthétique lumineuse

The GE Downlight range provides outstanding aesthetic appeal on two levels.

Most important of course is quality of light. Effective downlighting builds mood. It creates excitement in high street stores, drama in museums and conditions conducive to business in offices. It draws the eye, attracts customers, creates shelf appeal and enables designers to start visual conversations with office workers, shoppers, diners and gallery visitors.

In addition, GE Downlights have aesthetic appeal in their own right, with a design consistency and continuity that extends across the different technologies.

La gamme de spots encastrés de GE offre une esthétique remarquable à deux niveaux.

Le plus important est évidemment la qualité de la lumière. Un spot encastré efficace créé une ambiance. Il renforce l'envie dans les grands magasins, le côté dramatique dans les musées et des conditions propices au travail dans les bureaux. Il guide l'oeil, attire les clients, crée un attrait pour le rayonnage et permet aux concepteurs d'initier des conversations visuelles avec les employés de bureau, les vendeurs et convives des restaurants et les visiteurs des musées.

De plus, les spots encastrés de GE ont un attrait esthétique en eux-mêmes, avec une cohérence et une continuité de conception qui s'étend au-delà des diverses technologies.

- Choice of LED, CMH and CFL
- Ambient or accent lighting
- Excellent quality of light
- Sell, inform or create mood
- Design consistency across ranges
- Complete project solutions

- Choix entre LED, CMH et CFL
- Lumière d'ambiance ou d'accentuation
- Excellente qualité de la lumière
- Vente, information ou création d'ambiance
- Cohérence de conception à travers les différentes gammes
- Solutions complètes de projet

Project versatility
Polyvalence de projet

In manufacturing a whole range of downlighter products, we offer the choice and flexibility to design lighting systems to meet any requirement.

For some end users, quality of light is everything – it's what attracts customers and sells product off the shelf. For others, while quality is key, reduced maintenance will be a major consideration too. There will be issues of initial cost (purchase price) versus return on investment (life rating, maintenance, energy consumption).

Every project has different factors to consider, and that's why we offer more traditional technologies alongside our state-of-the-art Infusion™ LED Modules. In this way, designers can select the most appropriate technology – or mix and match across different areas – to meet specific project requirements.

And by maintaining a consistency of physical design across our Infusion™ LED module, CMH Constant Colour™ and Biax™ CFL lamps, we build in the flexibility to upgrade to an all-LED solution in the future.

- Solutions for every project requirement
- Choice of LED, CMH and CFL
- Low maintenance solutions
- Low energy consumption
- Low initial investment or low operational costs
- Design consistency for economical upgrades

En fabricant la totalité de la gamme de produits de spots encastrés, nous offrons le choix et la souplesse d'élaborer des systèmes d'éclairage répondant à chaque exigence.

Pour certains utilisateurs, la qualité de la lumière est principale. C'est elle qui attire les clients et fait vendre les produits en stock. Pour d'autres, même si la qualité est primordiale, un entretien minimal sera une condition importante. Ils se poseront la question du coût d'acquisition (prix d'achat) par rapport au retour sur investissement (durée de vie, entretien, consommation énergétique).

Les différents facteurs de chaque projet doivent être pris en compte, et c'est pourquoi nous offrons plus de technologies traditionnelles parallèlement à nos modules LED Infusion™ à la pointe de la technologie. De cette façon, les concepteurs peuvent choisir la technologie la plus adéquate, ou mélanger et associer dans diverses zones, afin de répondre aux exigences spécifiques du projet.

Et afin de conserver une cohérence de la conception physique à travers nos modules LED Infusion™ et nos lampes CMH Constant Colour™ et CFL Biax™, nous restons flexibles pour pouvoir mettre à jour la totalité des solutions LED à l'avenir.

- Solutions pour les exigences de chaque projet
- Choix entre LED, CMH et CFL
- Solutions à entretien réduit
- Faible consommation énergétique
- Faible investissement initial ou faibles coûts de fonctionnement
- Cohérence de conception pour des mises à jour économiques



06

PRODUCT SPECIFICATIONS – GE DOWNLIGHTS
CARACTÉRISTIQUES DES PRODUITS - SPOTS ENCASTRÉS GE

GE Infusion™ Downlights
Spots encastrés Infusion™ de GE

Office
Bureau

Retail
Magasin

Education
Éducation

Healthcare
Services de santé

Museum / Gallery
Musée/galerie

The GE Infusion™ LED Downlight range offers the choice and flexibility to meet different requirements across the office, retail, education and healthcare sectors, as well as other environments where quality and consistency of light is critical.

- CRI up to 90
- Low energy consumption
- Lifetime rating is 50,000 hours
- Wide choice of lumen packages and colour temperatures

Infusion™ LED modules are also future-friendly. A simple twist-fit – like that of traditional lamps – enables the entire LED module to be removed and replaced in seconds, so luminaires can be designed to allow instant upgrades as the technology develops.

- As simple as replacing a regular light bulb
- Three connections in one: thermal, electrical and mechanical
- Common base design enables different design possibilities

La gamme de spots encastrés Infusion™ LED de GE offre un choix et une souplesse vous permettant de répondre aux différents besoins de votre bureau, votre magasin, votre salle de classe ou votre salle de soins médicaux, ainsi que d'autres environnements où la qualité et l'uniformité de la lumière sont primordiales.

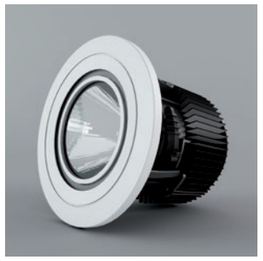
- IRC jusqu'à 90
- Faible consommation d'énergie
- Durée de vie de 50 000 heures
- Large choix d'intensités et de températures de couleur

Les modules Infusion™ LED sont également respectueux de l'avenir. Un simple système à vis (comme celui des lampes traditionnelles) permet d'enlever et remplacer la totalité du module LED en quelques secondes ; les luminaires peuvent ainsi être conçus pour permettre des mises à jour immédiates au fur et à mesure du développement de la technologie.

- Aussi facile à remplacer qu'une ampoule ordinaire
- Trois branchements en un : thermique, électrique et mécanique
- La conception de base identique permet différentes possibilités de conception







GE Infusion™ Downlights
Spots encastrés Infusion™ de GE

GE INFUSION™ ADJUSTABLE GIMBAL RANGE 1
SPOTS A CARDAN RÉGLABLE INFUSION™ DE GE, GAMME 1

This high quality range of adjustable gimbals can be combined with Infusion™ LED modules and Infusion™ optics – flood, wide flood and extra wide flood – to give lighting designers the ability to create adjustable gimbal downlight solutions for every application.

And like all GE Infusion™ LED Modules, it is quick to install, easy to service and ready to upgrade as LED technology progresses.

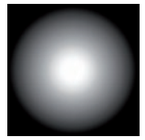
Cette gamme haute qualité à cardans réglables peut être associée aux modules LED Infusion™ et aux optiques Infusion™ (type Flood, type Flood faisceau large et type Flood faisceau extra-large) afin de permettre aux concepteurs de luminaires de créer des solutions de spots encastrés à cardan réglable pour chaque application.

Et comme tous les modules LED Infusion™ de GE, ils s'installent rapidement, s'utilisent facilement et sont prêts à être mis à jour en fonction de l'évolution de la technologie LED.

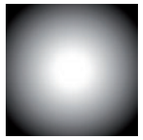
Flood
Type Flood



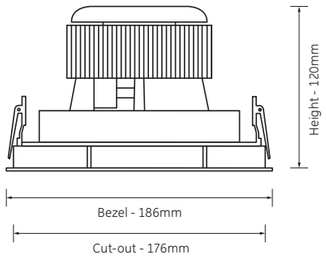
Wide Flood
Type Flood faisceau large



Extra Wide Flood
Type Flood faisceau extra-large



Dimensions [mm]





Downlight LED Product Selector / Choix de spots encastrés à LED

Product Code Code produit	Product Description Description produit	Infusion Module Module Infusion	Infusion Optic Optique Infusion	Ceiling Thickness Épaisseur du plafond	Certification Authentification
97898	1000 LM LED Adjustable Gimbal HF White LED blanche cardan réglable 1 000 LM HF	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97897	1000 LM LED Adjustable Gimbal 1-10V White LED blanche cardan réglable 1 000 LM 1-10 V	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97896	1000 LM LED Adjustable Gimbal DALI White LED blanche cardan réglable 1 000 LM DALI	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97895	1500 LM LED Adjustable Gimbal HF White LED blanche cardan réglable 1 500 LM HF	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97894	1500 LM LED Adjustable Gimbal 1-10V White LED blanche cardan réglable 1 500 LM 1-10 V	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97893	1500 LM LED Adjustable Gimbal DALI White LED blanche cardan réglable 1 500 LM DALI	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97892	2000 LM LED Adjustable Gimbal HF White LED blanche cardan réglable 2 000 LM HF	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97891	2000 LM LED Adjustable Gimbal 1-10V White LED blanche cardan réglable 2 000 LM 1-10 V	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97890	2000 LM LED Adjustable Gimbal DALI White LED blanche cardan réglable 2 000 LM DALI	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97889	3000 LM LED Adjustable Gimbal HF White LED blanche cardan réglable 3 000 LM HF	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97888	3000 LM LED Adjustable Gimbal 1-10V White LED blanche cardan réglable 3 000 LM 1-10 V	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE
97887	3000 LM LED Adjustable Gimbal DALI White LED blanche cardan réglable 3 000 LM DALI	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-35mm	CE

Specifications / Caractéristiques

Input Voltage [V] Tension d'entrée [V]	220-240 V
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60 Hz
Control / Contrôle	Static, 1-10V, DALI / Statique, 1-10 V, DALI
Warranty / Garantie	5 years / 5 ans
Files Available Fichiers disponibles	IES, LDT, Install instructions, Datasheets IES, LDT, instructions d'installation, fiches techniques
Dimensions	Ø 186 mm x 120 mm

Weight [kg] / Poids [kg]	≤ 1,2 kg
Operating Temperature Range Plage de températures en fonctionnement	-10°C to + 25°C -10 °C à + 25 °C
Humidity (non-condensing) Humidité (sans condensation)	20-50% Non-condensing, dry locations only 20-50 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 70°C -40 °C à + 70 °C
IP Rating / Indice IP	20

Infusion™ Module Selector / Choix de modules Infusion™

Product Code Code produit	Description	Lumens [lm]	CCT [K]	CRI [Ra] IRC [Ra]	97898 97897 97896 1000 lm	97895 97894 97893 1500 lm	97892 97891 97890 2000 lm	97889 97888 97887 3000 lm
97184	M1000/827/W/N	900	2700	> 80	✓			
97186	M1000/830/W/N	1000	3000	> 80	✓			
97187	M1000/930/W/N	850	3000	> 87	✓			
97188	M1000/840/W/N	1100	4000	> 80	✓			
97185	M1500/827/W/N	1500	2700	> 80		✓		
97189	M1500/830/W/N	1600	3000	> 80		✓		
97190	M1500/930/W/N	1400	3000	> 87		✓		
97191	M1500/840/W/N	1750	4000	> 80		✓		
97192	M2000/827/W/N	1800	2700	> 80			✓	
97193	M2000/830/W/N	2000	3000	> 80			✓	
97194	M2000/930/W/N	1700	3000	> 87			✓	
97199	M2000/840/W/N	2200	4000	> 80			✓	
97200	M3000/827/W/N	3000	2700	> 80				✓
97201	M3000/830/W/N	3200	3000	> 80				✓
97202	M3000/930/W/N	2800	3000	> 87				✓
97203	M3000/840/W/N	3500	4000	> 80				✓

Infusion™ Optic Selector / Choix d'optique Infusion™

Product Code Code produit	Description	Lumen Module Lumen module	Beam Angle Angle du faisceau	97898 97897 97896 1000 lm	97895 97894 97893 1500 lm	97892 97891 97890 2000 lm	97889 97888 97887 3000 lm
97208	OP1000/1500/FL	1000/1500/3000	24/27/34	✓	✓		✓
97206	OP1000/1500/WFL	1000/1500	34/36	✓	✓		
97207	OP1000/1500/VWFL	1000/1500/	60/62	✓	✓		
64996	OP2000/3000/FL	2000/3000	25/28			✓	✓
64995	OP2000/WFL	2000	34			✓	
64994	OP2000/3000/VWFL	2000/3000	59/61			✓	✓

GE Infusion™ Downlights
Spots encastrés Infusion™ de GE

GE INFUSION™ FIXED DOWNLIGHT RANGE 2
SPOTS ENCASTRÉS FIXES INFUSION™ DE GE, GAMME 2

This high quality range of steel-housed fixed downlights can be combined with Infusion™ LED modules and Infusion™ optics – flood, wide flood and extra wide flood – to give lighting designers the ability to create fixed downlight solutions for every application.

And like all GE Infusion™ LED Modules, it is quick to install, easy to service and ready to upgrade as LED technology progresses.

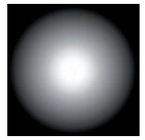
Cette gamme haute qualité de spots encastrés fixes recouverts d'acier peut être associée aux modules LED Infusion™ et aux optiques Infusion™ (type Flood, type Flood faisceau large et type Flood faisceau extra-large) afin de permettre aux concepteurs de luminaires de créer des solutions de spots encastrés à cardan réglable pour chaque application.

Et comme tous les modules LED Infusion™ de GE, ils s'installent rapidement, s'utilisent facilement et sont prêts à être mis à jour en fonction de l'évolution de la technologie LED.

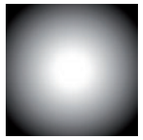
Flood
Type Flood



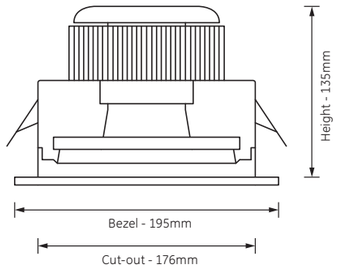
Wide Flood
Type Flood, faisceau large



Extra Wide Flood
Type Flood, faisceau extra-large



Dimensions [mm]





Downlight LED Product Selector / Choix de spots encastrés à LED

Product Code Code produit	Product Description Description produit	Infusion Module Module Infusion	Infusion Optic Optique Infusion	Ceiling Thickness Épaisseur du plafond	Certification Authentification
97834	1000 LM LED Fixed HF White R2 LED blanche fixe 1 000 LM HF R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97833	1000 LM LED Fixed 1-10V White R2 LED blanche fixe 1 000 LM 1-10 V R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97832	1000 LM LED Fixed DALI White R2 LED blanche fixe 1 000 LM DALI R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97831	1500 LM LED Fixed HF White R2 LED blanche fixe 1 500 LM HF R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97830	1500 LM LED Fixed 1-10V White R2 LED blanche fixe 1 500 LM 1-10 V R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97829	1500 LM LED Fixed DALI White R2 LED blanche fixe 1 500 LM DALI R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97828	2000 LM LED Fixed HF White R2 LED blanche fixe 2 000 LM HF R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97827	2000 LM LED Fixed 1-10V White R2 LED blanche fixe 2 000 LM 1-10 V R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97826	2000 LM LED Fixed DALI White R2 LED blanche fixe 2 000 LM DALI R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97825	3000 LM LED Fixed HF White R2 LED blanche fixe 3 000 LM HF R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97824	3000 LM LED Fixed 1-10V White R2 LED blanche fixe 3 000 LM 1-10 V R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE
97823	3000 LM LED Fixed DALI White R2 LED blanche fixe 3 000 LM DALI R2	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	1-30mm	CE

Specifications / Caractéristiques

Input Voltage [V] Tension d'entrée [V]	220-240 V
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60 Hz
Control / Contrôle	Static, 1-10V, DALI / Statique, 1-10 V, DALI
Warranty / Garantie	5 years / 5 ans
Files Available Fichiers disponibles	IES, LDT, Install instructions, Datasheets IES, LDT, instructions d'installation, fiches techniques
Dimensions	Ø 195 mm x 135 mm

Weight [kg] / Poids [kg]	≤ 1,3 kg
Operating Temperature Range Plage de températures en fonctionnement	-10°C to + 25°C -10 °C à + 25 °C
Humidity (non-condensing) Humidité (sans condensation)	20-50% Non-condensing, dry locations only 20-50 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 70°C -40 °C à + 70 °C
IP Rating / Indice IP	20

Infusion™ Module Selector / Choix de modules Infusion™

Product Code Code produit	Description	Lumens [lm]	CCT [K]	CRI [Ra] IRC [Ra]	97834 97833 97832 1000 lm	97831 97830 97829 1500 lm	97828 97827 97826 2000 lm	97825 97824 97823 3000 lm
97184	M1000/827/W/N	900	2700	> 80	✓			
97186	M1000/830/W/N	1000	3000	> 80	✓			
97187	M1000/930/W/N	850	3000	> 87	✓			
97188	M1000/840/W/N	1100	4000	> 80	✓			
97185	M1500/827/W/N	1500	2700	> 80		✓		
97189	M1500/830/W/N	1600	3000	> 80		✓		
97190	M1500/930/W/N	1400	3000	> 87		✓		
97191	M1500/840/W/N	1750	4000	> 80		✓		
97192	M2000/827/W/N	1800	2700	> 80			✓	
97193	M2000/830/W/N	2000	3000	> 80			✓	
97194	M2000/930/W/N	1700	3000	> 87			✓	
97199	M2000/840/W/N	2200	4000	> 80			✓	
97200	M3000/827/W/N	3000	2700	> 80				✓
97201	M3000/830/W/N	3200	3000	> 80				✓
97202	M3000/930/W/N	2800	3000	> 87				✓
97203	M3000/840/W/N	3500	4000	> 80				✓

Infusion™ Optic Selector / Choix d'optique Infusion™

Product Code Code produit	Description	Lumen Module Lumen module	Beam Angle Angle du faisceau	97834 97833 97832 1000 lm	97831 97830 97829 1500 lm	97828 97827 97826 2000 lm	97825 97824 97823 3000 lm
97208	OP1000/1500/FL	1000/1500/3000	24/27/34	✓	✓		✓
97206	OP1000/1500/WFL	1000/1500	34/36	✓	✓		
97207	OP1000/1500/VWFL	1000/1500/	60/62	✓	✓		
64996	OP2000/3000/FL	2000/3000	25/28			✓	✓
64995	OP2000/WFL	2000	34			✓	
64994	OP2000/3000/VWFL	2000/3000	59/61			✓	✓

GE Infusion™ Downlights
Spots encastrés Infusion™ de GE

GE INFUSION™ FIXED DOWNLIGHT RANGE 3
SPOTS ENCASTRÉS FIXES INFUSION™ DE GE, GAMME 3

This high quality range of die-cast aluminium-housed fixed downlights can be combined with Infusion™ LED modules and Infusion™ optics – flood, wide flood and extra wide flood – to give lighting designers the ability to create fixed downlight solutions for every application.

And like all GE Infusion™ LED Modules, it is quick to install, easy to service and ready to upgrade as LED technology progresses.

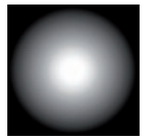
Cette gamme haute qualité de spots encastrés fixes recouverts d'aluminium injecté peut être associée aux modules LED Infusion™ et aux optiques Infusion™ (type Flood, type Flood faisceau large et type Flood faisceau extra-large) afin de permettre aux concepteurs de luminaires de créer des solutions de spots encastrés à cardan réglable pour chaque application.

Et comme tous les modules LED Infusion™ de GE, ils s'installent rapidement, s'utilisent facilement et sont prêts à être mis à jour en fonction de l'évolution de la technologie LED.

Flood
Type Flood



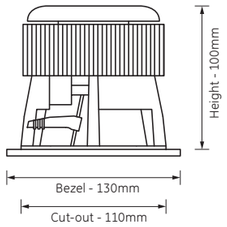
Wide Flood
Type Flood faisceau large



Extra Wide Flood
Type Flood faisceau extra-large



Dimensions [mm]





Downlight LED Product Selector / Choix de spots encastrés LED

Product Code Code produit	Product Description Description produit	Infusion Module Module Infusion	Infusion Optic Optique Infusion	Ceiling Thickness Épaisseur du plafond	Certification Authentification
97810	1000 LM LED Fixed HF White R3 LED blanche fixe 1 000 LM HF R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97809	1000 LM LED Fixed 1-10V White R3 LED blanche fixe 1 000 LM 1-10 V R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97808	1000 LM LED Fixed DALI White R3 LED blanche fixe 1 000 LM DALI R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97807	1500 LM LED Fixed HF White R3 LED blanche fixe 1 500 LM HF R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97806	1500 LM LED Fixed 1-10V White R3 LED blanche fixe 1 500 LM 1-10 V R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97805	1500 LM LED Fixed DALI White R3 LED blanche fixe 1 500 LM DALI R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97804	2000 LM LED Fixed HF White R3 LED blanche fixe 2 000 LM HF R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97803	2000 LM LED Fixed 1-10V White R3 LED blanche fixe 2 000 LM 1-10 V R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97802	2000 LM LED Fixed DALI White R3 LED blanche fixe 2 000 LM DALI R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97801	3000 LM LED Fixed HF White R3 LED blanche fixe 3 000 LM HF R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97800	3000 LM LED Fixed 1-10V White R3 LED blanche fixe 3 000 LM 1-10 V R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE
97799	3000 LM LED Fixed DALI White R3 LED blanche fixe 3 000 LM DALI R3	See Infusion Module Selector Voir le choix de modules Infusion	See Infusion Optic Selector Voir le choix d'optiques Infusion	6.5-35mm	CE

Specifications / Caractéristiques

Input Voltage [V] Tension d'entrée [V]	220-240 V
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60 Hz
Control / Contrôle	Static, 1-10V, DALI / Statique, 1-10 V, DALI
Warranty / Garantie	5 years / 5 ans
Files Available Fichiers disponibles	IES, LDT, Install instructions, Datasheets IES, LDT, instructions d'installation, fiches techniques
Dimensions	Ø 130 mm x 100 mm

Weight [kg] / Poids [kg]	≤ 0,85 kg
Operating Temperature Range Plage de températures en fonctionnement	-10°C to + 25°C -10 °C à + 25 °C
Humidity (non-condensing) Humidité (sans condensation)	20-50% Non-condensing, dry locations only 20-50 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 70°C -40 °C à + 70 °C
IP Rating / Indice IP	20

Infusion™ Module Selector / Choix de modules Infusion™

Product Code Code produit	Description	Lumens [lm]	CCT [K]	CRI [Ra] IRC [Ra]	97810 97809 97808 1000 lm	97807 97806 97805 1500 lm	97804 97803 97802 2000 lm	97801 97800 97799 3000 lm
97184	M1000/827/W/N	900	2700	> 80	✓			
97186	M1000/830/W/N	1000	3000	> 80	✓			
97187	M1000/930/W/N	850	3000	> 87	✓			
97188	M1000/840/W/N	1100	4000	> 80	✓			
97185	M1500/827/W/N	1500	2700	> 80		✓		
97189	M1500/830/W/N	1600	3000	> 80		✓		
97190	M1500/930/W/N	1400	3000	> 87		✓		
97191	M1500/840/W/N	1750	4000	> 80		✓		
97192	M2000/827/W/N	1800	2700	> 80			✓	
97193	M2000/830/W/N	2000	3000	> 80			✓	
97194	M2000/930/W/N	1700	3000	> 87			✓	
97199	M2000/840/W/N	2200	4000	> 80			✓	
97200	M3000/827/W/N	3000	2700	> 80				✓
97201	M3000/830/W/N	3200	3000	> 80				✓
97202	M3000/930/W/N	2800	3000	> 87				✓
97203	M3000/840/W/N	3500	4000	> 80				✓

Infusion™ Optic Selector / Choix d'optique Infusion™

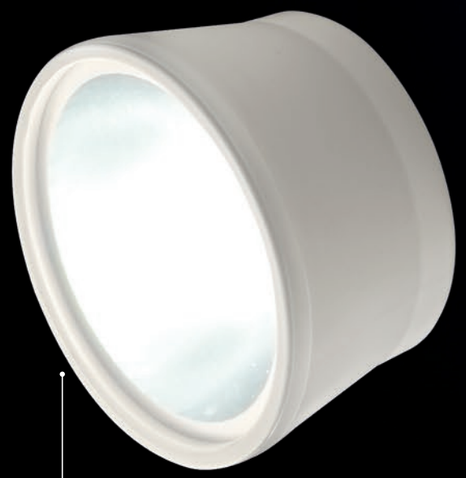
Product Code Code produit	Description	Lumen Module Lumen module	Beam Angle Angle du faisceau	97810 97809 97808 1000 lm	97807 97806 97805 1500 lm	97804 97803 97802 2000 lm	97801 97800 97799 3000 lm
97208	OP1000/1500/FL	1000/1500/3000	24/27/34	✓	✓		✓
97206	OP1000/1500/WFL	1000/1500	34/36	✓	✓		
97207	OP1000/1500/VWFL	1000/1500/	60/62	✓	✓		
64996	OP2000/3000/FL	2000/3000	25/28			✓	✓
64995	OP2000/WFL	2000	34			✓	
64994	OP2000/3000/VWFL	2000/3000	59/61			✓	✓

As LED technology advances
Comme la technologie LED avance

The modular, twist/fit design of GE Infusion™ means that upgrading doesn't mean having to invest in new luminaires; as new advances are made in LED technology, you can choose to upgrade when it suits you.
This means you can take advantage of the best possible technology available in that precise moment – simply by upgrading to a higher performance module. And system design can be constant too, with no need to invest in new cooling system, driver or optics.
GE Infusion™ Modules are compliant with Zhaga Book 5 for socketable LED modules using separate electronic control gear.

La conception à vis et modulaire d'Infusion™ de GE signifie que la mise à jour ne représente pas d'investissement supplémentaire dans de nouveaux luminaires ; vous pouvez choisir la mise à jour qui vous convient, au fur et à mesure des avancées dans la technologie LED.
Cela signifie que vous pouvez tirer parti de la meilleure technologie existante disponible à un moment précis - en mettant simplement à jour avec un module ayant une performance plus élevée. La conception du système peut également être constante, sans besoin d'investir dans un nouveau système de refroidissement, de pilote ou d'optique.
Les modules Infusion™ de GE sont conformes avec le Livre 5 Zhaga pour les modules LED à douilles utilisant un appareillage de commande électronique.





Infusion™ Optic
locks into the module
Optique Infusion™
se verrouille dans le module



Infusion™ Module
twists into the holder
Module Infusion™
se visse dans le support

Easy twist-in installation

The Infusion™ LED range provides the flexibility to meet the needs of diverse applications from a single range of socketable modules. The highest lumen packages can be combined with high efficiency optics for use in high output applications such as retail, where 70W CMH lamps are currently used. Lower lumen modules can be used in place of tungsten halogen and for lower output CFL and HID applications.

Installation à vis facile

La souplesse de la gamme LED Infusion™ permet de répondre aux besoins des diverses applications à partir d'une gamme unique de modules à douilles. Les intensités les plus fortes peuvent être associées à des optiques de haute efficacité pour une utilisation dans des applications à fort rendement, comme les magasins, où des lampes CMH de 70 W sont couramment utilisées. Les modules à intensité plus faible peuvent être utilisés à la place des halogènes au tungstène et pour des applications CFL et HID à plus faible rendement.

GE CMH Downlights
Spots encastrés CMH de GE

Office
Bureau

Retail
Magasin

Education
Éducation

Healthcare
Services de santé

Museum / Gallery
Musée/galerie

CMH is firmly established as the market-leading lighting technology across a whole range of applications and for good reason.

More affordable than LED, CMH solutions deliver exceptional colour rendition and lumen maintenance throughout the life of the lamp. This consistency of performance over a long service life – together with excellent energy efficiency – means a low total cost of ownership.

The GE CMH Downlight range includes adjustable gimbals, adjustable scoops and a choice of fixed downlights.

- Superb colour rendition and stability
- Reliability, efficiency and longevity
- Long lumen maintenance
- Instant replacement for less eco friendly products
- 20% more efficient than quartz metal halide
- 4.5x more efficient than halogen

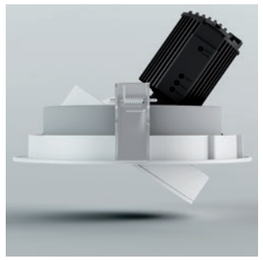
La technologie CMH est fermement établie en tant que leader du marché lié à l'éclairage, par le biais de toute une gamme d'applications et pour de bonnes raisons.

Plus abordables que les LED, les solutions CMH offrent un rendu des couleurs et une intensité lumineuse exceptionnels durant toute la durée de vie de la lampe. Cette continuité de performances durant la longue durée de vie de la lampe, associée à une excellente efficacité énergétique, permet de diminuer le coût global de propriété.

La gamme de spots encastrés CMH de GE offre un large choix d'utilisation avec des spots sphériques ou à cardans réglables, ainsi que des modèles de spots fixes.

- Superbe rendu des couleurs et grande stabilité
- Fiabilité, efficacité et longévité
- Longue intensité lumineuse
- Remplacement rapide pour des produits écologiques
- 20 % plus efficace que les lampes à halogénure métallique à brûleur quartz
- 4,5 x plus efficace que les halogènes



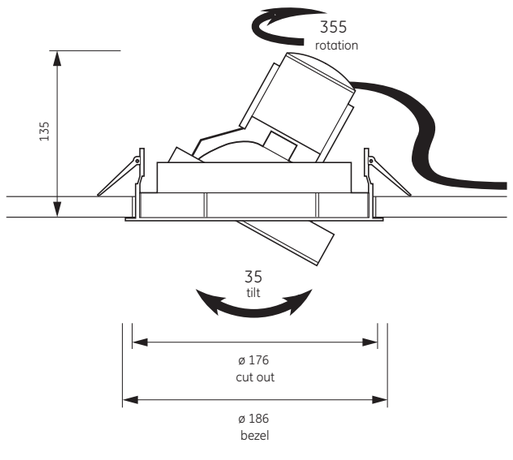




GE CMH Downlights
Spots encastrés CMH de GE

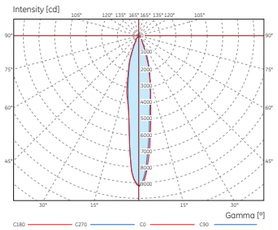
GE CMH ADJUSTABLE GIMBAL RANGE 1
SPOT A CARDAN RÉGLABLE CMH DE GE, GAMME 1

Dimensions [mm]

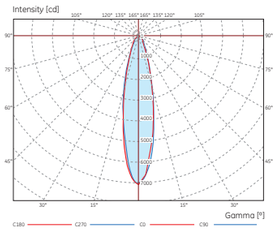




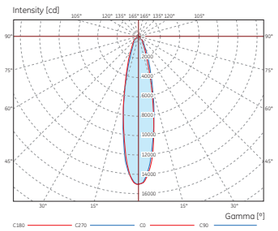
Light Output
Rendement lumineux



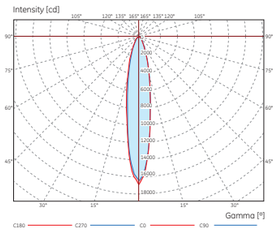
CMH35/SP



CMH35/FL



CMH70/SP



CMH70/FL

Downlight CMH Product Selector / Choix de spots encastrés CMH

Product Code Code produit	Product Description Description produit	Lamp Product Code Code produit lampe	Ceiling Thickness Épaisseur du plafond	Certification Authentification
97905	35W CMH-T Adjustable Gimbal SP HF White CMH-T blanche cardan réglable SP 35 W HF	See Lamp Selector Voir le choix de lampes	1-35mm	CE
97903	35W CMH-T Adjustable Gimbal FL HF White CMH-T blanche cardan réglable FL 35 W HF	See Lamp Selector Voir le choix de lampes	1-35mm	CE
97904	70W CMH-T Adjustable Gimbal SP HF White CMH-T blanche cardan réglable SP 70 W HF	See Lamp Selector Voir le choix de lampes	1-35mm	CE
97899	70W CMH-T Adjustable Gimbal FL HF White CMH-T blanche cardan réglable FL 70 W HF	See Lamp Selector Voir le choix de lampes	1-35mm	CE

Specifications / Caractéristiques

Input Voltage [V] Tension d'entrée [V]	220-240 V
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60 Hz
Control / Contrôle	Static / Statique
Warranty / Garantie	3 years / 3 ans
Files Available Fichiers disponibles	IES, LDT, Install instructions, Datasheets IES, LDT, instructions d'installation, fiches techniques
Dimensions	Ø 186 mm x 135 mm

Weight [kg] / Poids [kg]	≤ 1,5 kg
Operating Temperature Range Plage de températures en fonctionnement	-10°C to + 25°C -10 °C à + 25 °C
Humidity (non-condensing) Humidité (sans condensation)	20-50% Non-condensing, dry locations only 20-50 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 70°C -40 °C à + 70 °C
IP Rating / Indice IP	20

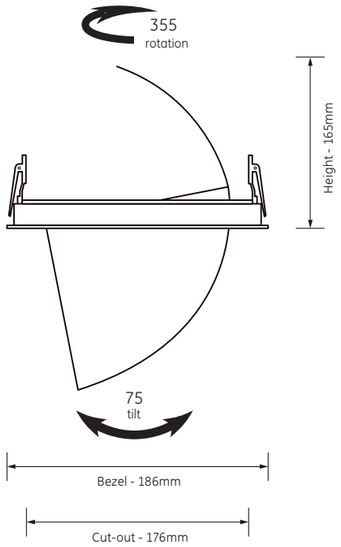
CMH Lamp Selector / Choix de lampes CMH

Product Code Code produit	Product Description Description produit	Wattage [W] Puissance en watts [W]	CCT [K]	CRI [Ra] IRC [Ra]	Initial Lumen [lm] Lumen initial [lm]	Rated avg. life [h] Durée de vie nominale [h]	Cap Culot
76121	CMH35/T/V60/UVC/930/G12 Ultra CMH35/T/V60/UVC/930/G12 Ultra	35	3000	87	3600	16,500	G12
96752	CMH70/T/UVC/U/930/G12 Ultra CMH70/T/UVC/U/930/G12 Ultra	70	3000	87	6400	18,000	G12
63596	CMH70/T/UVC/U/930/G12 Ultra White CMH70/T/UVC/U/930/G12 Ultra White	70	3000	88	6600	18,000	G12

GE CMH Downlights
Spots encastrés CMH de GE

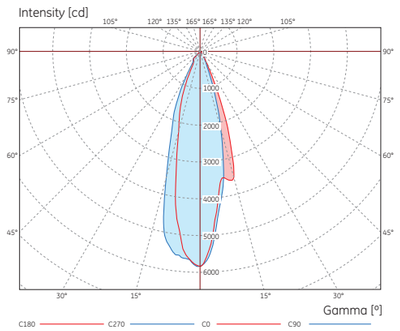
GE CMH ADJUSTABLE SCOOP RANGE 1
SPOT SPHÉRIQUE RÉGLABLE CMH DE GE, GAMME 1

Dimensions [mm]

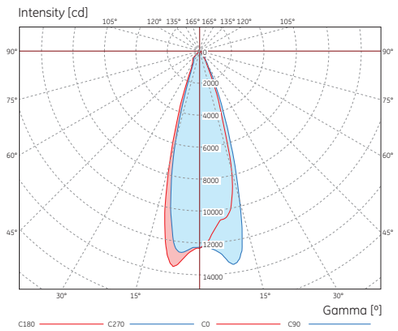




Light Output
Rendement lumineux



CMH35/WFL



CMH70/WFL

Downlight CMH Product Selector / Choix de spots encastrés CMH

Product Code Code produit	Product Description Description produit	Lamp Product Code Code produit lampe	Ceiling Thickness Épaisseur du plafond	Certification Authentification
97886	35W CMH-T Adjustable Scoop WFL HF White CMH-T blanche éclairage réglable 35 W WFL HF	See Lamp Selector Voir le choix de lampes	1-35mm	CE
97885	70W CMH-T Adjustable Scoop WFL HF White CMH-T blanche éclairage réglable 70 W WFL HF	See Lamp Selector Voir le choix de lampes	1-35mm	CE

Specifications / Caractéristiques

Input Voltage [V] Tension d'entrée [V]	220-240 V
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60 Hz
Control / Contrôle	Static / Statique
Warranty / Garantie	3 years / 3 ans
Files Available Fichiers disponibles	IES, LDT, Install instructions, Datasheets IES, LDT, instructions d'installation, fiches techniques
Dimensions	Ø 186 mm x 165 mm

Weight [kg] / Poids [kg]	≤ 1,5 kg
Operating Temperature Range Plage de températures en fonctionnement	-10°C to + 25°C -10 °C à + 25 °C
Humidity (non-condensing) Humidité (sans condensation)	20-50% Non-condensing, dry locations only 20-50 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 70°C -40 °C à + 70 °C
IP Rating / Indice IP	20

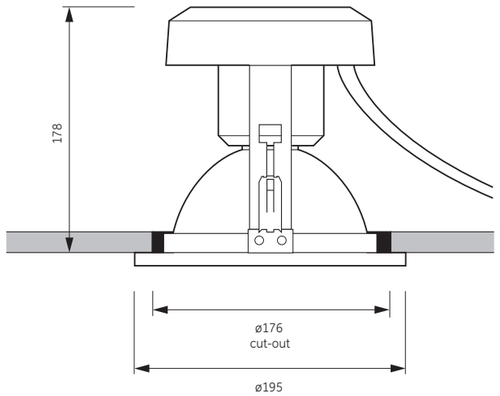
CMH Lamp Selector / Choix de lampes CMH

Product Code Code produit	Product Description Description produit	Wattage [W] Puissance en watts [W]	CCT [K]	CRI [Ra] IRC [Ra]	Initial Lumen [lm] Lumen initial [lm]	Rated avg. life [h] Durée de vie nominale [h]	Cap Culot
76121	CMH35/T/V60/UVC/930/G12 Ultra CMH35/T/V60/UVC/930/G12 Ultra	35	3000	87	3600	16,500	G12
96752	CMH70/T/UVC/U/930/G12 Ultra CMH70/T/UVC/U/930/G12 Ultra	70	3000	87	6400	18,000	G12
63596	CMH70/T/UVC/U/930/G12 Ultra White CMH70/T/UVC/U/930/G12 Ultra White	70	3000	88	6600	18,000	G12

GE CMH Downlights
Spots encastrés CMH de GE

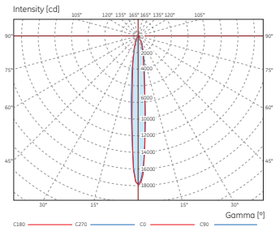
GE CMH FIXED DOWNLIGHT RANGE 2
SPOTS ENCASTRÉS FIXES CMH DE GE, GAMME 2

Dimensions [mm]

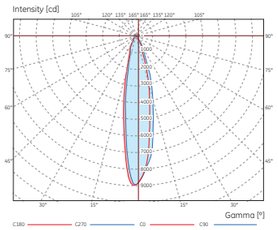




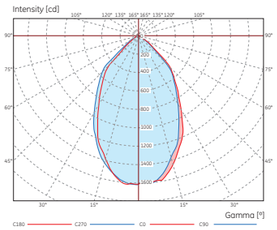
Light Output
Rendement lumineux



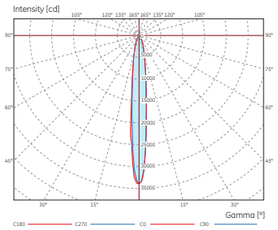
CMH35/SP



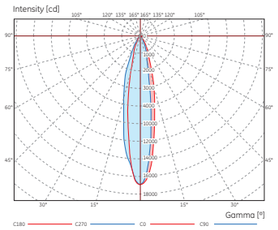
CMH35/FL



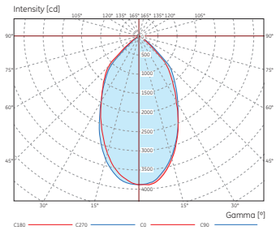
CMH35/XWFL



CMH70/SP



CMH70/FL



CMH70/XWFL

Downlight CMH Product Selector / Choix de spots encastrés CMH

Product Code Code produit	Product Description Description produit	Lamp Product Code Code produit lampe	Ceiling Thickness Épaisseur du plafond	Certification Authentification
97846	35W CMH-T Fixed SP HF White CMH-T blanche fixe 35 W SP HF	See Lamp Selector Voir le choix de lampes	1-44mm	CE
97845	35W CMH-T Fixed FL HF White CMH-T blanche fixe 35 W FL HF	See Lamp Selector oir le choix de lampes	1-44mm	CE
97844	35W CMH-T Fixed XWFL HF White CMH-T blanche fixe 35 W XWFL HF	See Lamp Selector oir le choix de lampes	1-44mm	CE
97843	70W CMH-T Fixed SP HF White CMH-T blanche fixe 70 W SP HF	See Lamp Selector oir le choix de lampes	1-44mm	CE
97842	70W CMH-T Fixed FL HF White CMH-T blanche fixe 70 W FL HF	See Lamp Selector oir le choix de lampes	1-44mm	CE
97841	70W CMH-T Fixed XWFL HF White CMH-T blanche fixe 70 W XWFL HF	See Lamp Selector oir le choix de lampes	1-44mm	CE

Specifications / Caractéristiques

Input Voltage [V] Tension d'entrée [V]	220-240 V
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60 Hz
Control / Contrôle	Static / Statique
Warranty / Garantie	3 years / 3 ans
Files Available Fichiers disponibles	IES, LDT, Install instructions, Datasheets IES, LDT, instructions d'installation, fiches techniques
Dimensions	Ø 195 mm x 178 mm

Weight [kg] / Poids [kg]	≤ 1,5 kg
Operating Temperature Range Plage de températures en fonctionnement	-10°C to + 25°C -10 °C à + 25 °C
Humidity (non-condensing) Humidité (sans condensation)	20-50% Non-condensing, dry locations only 20-50 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 70°C -40 °C à + 70 °C
IP Rating / Indice IP	20

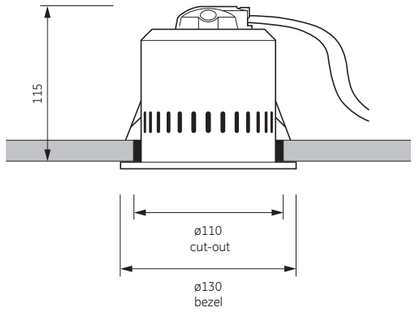
CMH Lamp Selector / Choix de lampes CMH

Product Code Code produit	Product Description Description produit	Wattage [W] Puissance en watts [W]	CCT [K]	CRI [Ra] IRC [Ra]	Initial Lumen [lm] Lumen initial [lm]	Rated avg. life [h] Durée de vie nominale [h]	Cap Culot
76121	CMH35/T/V60/UVC/930/G12 Ultra CMH35/T/V60/UVC/930/G12 Ultra	35	3000	87	3600	16,500	G12
96752	CMH70/T/UVC/U/930/G12 Ultra CMH70/T/UVC/U/930/G12 Ultra	70	3000	87	6400	18,000	G12
63596	CMH70/T/UVC/U/930/G12 Ultra White CMH70/T/UVC/U/930/G12 Ultra White	70	3000	88	6600	18,000	G12

GE CMH Downlights
Spots encastrés CMH de GE

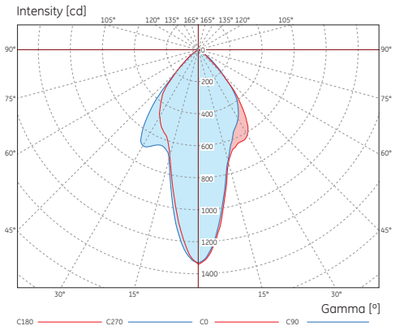
GE CMH FIXED DOWNLIGHT RANGE 3
SPOTS ENCASTRÉS FIXES CMH DE GE, GAMME 3

Dimensions [mm]

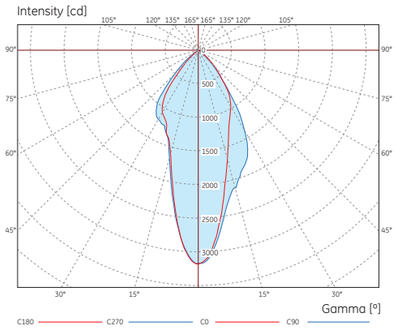




Light Output
Rendement lumineux



CMH20/WFL



CMH35/WFL

Downlight CMH Product Selector / Choix de spots encastrés CMH

Product Code Code produit	Product Description Description produit	Lamp Product Code Code produit lampe	Ceiling Thickness Épaisseur du plafond	Certification Authentification
97829	20W CMH-TC Fixed WFL HF White CMH-TC blanche fixe 20 W WFL HF	See Lamp Selector Voir le choix de lampes	1-35mm	CE
97820	35W CMH-TC Fixed WFL HF White CMH-TC blanche fixe 35 W WFL HF	See Lamp Selector Voir le choix de lampes	1-35mm	CE

Specifications / Caractéristiques

Input Voltage [V] Tension d'entrée [V]	220-240 V
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60 Hz
Control / Contrôle	Static / Statique
Warranty / Garantie	3 years / 3 ans
Files Available Fichiers disponibles	IES, LDT, Install instructions, Datasheets IES, LDT, instructions d'installation, fiches techniques
Dimensions	Ø 130 mm x 115 mm

Weight [kg] / Poids [kg]	≤ 1,3 kg
Operating Temperature Range Plage de températures en fonctionnement	-10°C to + 25°C -10 °C à + 25 °C
Humidity (non-condensing) Humidité (sans condensation)	20-50% Non-condensing, dry locations only 20-50 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 70°C -40 °C à + 70 °C
IP Rating / Indice IP	20

CMH Lamp Selector / Choix de lampes CMH

Product Code Code produit	Product Description Description produit	Wattage [W] Puissance en watts [W]	CCT [K]	CRI [Ra] IRC [Ra]	Initial Lumen [lm] Lumen initial [lm]	Rated avg. life [h] Durée de vie nominale [h]	Cap Culot
39858	CMH20/TC/UVC/U/830/G8.5 Plus	20	3000	84+	1650	12,000	G8.5
43273	CMH35/TC/UVC/U/830/G8.5 Plus	35	3000	84+	3400	16,500	G8.5
26348	CMH35/TC/UVC/U/942/G8.5	35	4200	88+	3200	18,000	G8.5
76120	CMH35/TC/V60/UVC/930/G8.5 Ultra	35	3000	87	3600	16,500	G8.5

GE Biax™ Downlights
Spots encastrés Biax™ de GE

Office
Bureau

Retail
Magasin

Education
Éducation

Healthcare
Services de santé

Museum / Gallery
Musée/galerie

GE's Biax™ range of Compact Fluorescent Downlights offers an efficient, low-cost option for lighting in the commercial, retail, education and healthcare sectors. The combination of long life, high CRI and high energy efficiency makes these lamps an extremely popular choice.

The GE Biax™ CFL Downlight range includes a choice of fixed downlights.

- Up to 80% energy savings and lasts 20x longer than standard incandescent lamps
- High colour rendering index
- Full range of colour temperatures

La gamme de spots encastrés fluorescents compacts Biax™ de GE représente une option économique et efficace pour l'éclairage des secteurs commercial, de l'éducation et des soins de santé. L'association d'une longue durée de vie, d'un IRC élevé et d'une grande efficacité énergétique rend ces lampes facilement accessibles à tout un chacun.

La gamme des spots encastrés CFL Biax™ de GE inclut un choix de spots encastrés fixes.

- Jusqu'à 80 % d'économies et une durée de vie 20 x supérieure aux autres lampes à incandescence
- Indice de rendu des couleurs élevé
- Large gamme de températures de couleur



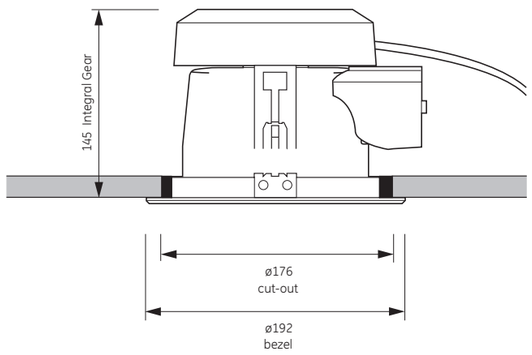




GE Biax™ Downlights
Spots encastrés Biax™ de GE

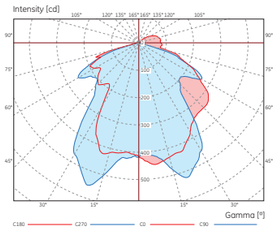
GE CFL FIXED DOWNLIGHT RANGE 2
SPOTS ENCASTRÉS FIXES CFL DE GE, GAMME 2

Dimensions [mm]

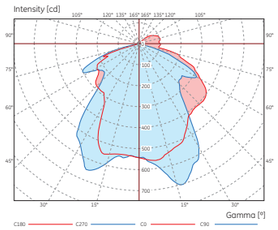




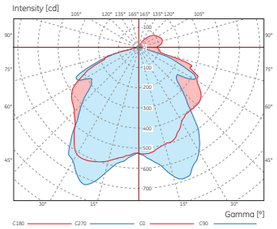
Light Output
Rendement lumineux



F26TBX



F32TBX



F42TBX

Downlight CFL Product Selector / Choix de spots encastrés CFL

Product Code Code produit	Product Description Description produit	Lamp Product Code Code produit lampe	Ceiling Thickness Épaisseur du plafond	Certification Authentification
97840	1x26/32/42W CFL HF White CFL blanche 1x26/32/42W HF	See Lamp Selector (Biax™ D/E & T/E) Voir le choix de lampes (Biax™ D/E & T/E)	1-40mm	CE
97839	1x26/32/42W CFL 1-10V White CFL blanche 1x26/32/42W 1-10 V	See Lamp Selector (Biax™ D/E & T/E) Voir le choix de lampes (Biax™ D/E & T/E)	1-40mm	CE
97838	1x26/32/42W CFL DALI White CFL blanche 1x26/32/42W DALI	See Lamp Selector (Biax™ D/E & T/E) Voir le choix de lampes (Biax™ D/E & T/E)	1-40mm	CE

Specifications / Caractéristiques

Input Voltage [V] Tension d'entrée [V]	220-240 V
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60 Hz
Control / Contrôle	Static, 1-10V, DALI / Statique, 1-10 V, DALI
Warranty / Garantie	3 years / 3 ans
Files Available Fichiers disponibles	IES, LDT, Install instructions, Datasheets IES, LDT, instructions d'installation, fiches techniques
Dimensions	Ø 195 mm x 145 mm

Weight [kg] / Poids [kg]	≤ 1,4 kg
Operating Temperature Range Plage de températures en fonctionnement	-10°C to + 25°C -10 °C à + 25 °C
Humidity (non-condensing) Humidité (sans condensation)	20-50% Non-condensing, dry locations only 20-50 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 70°C -40 °C à + 70 °C
IP Rating / Indice IP	20

CFL Lamp Selector (Biax™ T/E) / Choix de lampes CFL (Biax™ T/E)

Product Code Code produit	Order Code Description	Rated Power [W] Puissance nominale [W]	CCT [K]	CRI [Ra] IRC [Ra]	Initial Lumen [lm] Lumen initial [lm]	Rated Life [h] Durée de vie nominale [h]	Cap Culot
34393	F26TBX/827/A/4P/LL GE BX 1/10	26	2700	82	1800	20,000*	GX24q-3
34397	F26TBX/830/A/4P/LL GE BX 1/10	26	3000	82	1800	20,000*	GX24q-3
34406	F26TBX/835/A/4P/LL GE BX 1/10	26	3500	82	1800	20,000*	GX24q-3
34381	F26TBX/840/A/4P/LL GE BX 1/10	26	4000	82	1800	20,000*	GX24q-3
39377	F32TBX/827/A/4P/LL GE BX 1/10	32	2700	82	2200	20,000*	GX24q-3
39378	F32TBX/830/A/4P/LL GE BX 1/10	32	3000	82	2200	20,000*	GX24q-3
39379	F32TBX/835/A/4P/LL GE BX 1/10	32	3500	82	2200	20,000*	GX24q-3
39380	F32TBX/840/A/4P/LL GE BX 1/10	32	4000	82	2200	20,000*	GX24q-3
46312	F42TBX/827/A/4P/LL GE BX 1/10	42	2700	82	3200	12,000*	GX24q-3
46313	F42TBX/830/A/4P/LL GE BX 1/10	42	3000	82	3200	12,000*	GX24q-3
46314	F42TBX/835/A/4P/LL GE BX 1/10	42	3500	82	3200	12,000*	GX24q-3
46315	F42TBX/840/A/4P/LL GE BX 1/10	42	4000	82	3200	12,000*	GX24q-3

CFL Lamp Selector (Biax™ D/E) / Choix de lampes CFL (Biax™ D/E)

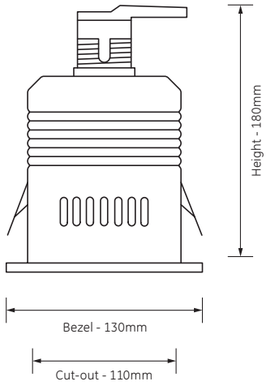
Product Code Code produit	Order Code Description	Rated Power [W] Puissance nominale [W]	CCT [K]	CRI [Ra] IRC [Ra]	Initial Lumen [lm] Lumen initial [lm]	Rated Life [h] Durée de vie nominale [h]	Cap Culot
35247	F26DBX/827/A/4P/LL GE BX 1/10	26	2700	82	1800	20,000*	GX24q-3
35235	F26DBX/830/A/4P/LL GE BX 1/10	26	3000	82	1800	20,000*	GX24q-3
35248	F26DBX/835/A/4P/LL GE BX 1/10	26	3500	82	1800	20,000*	GX24q-3
35236	F26DBX/840/A/4P/LL GE BX 1/10	26	4000	82	1800	20,000*	GX24q-3
45070	F26DBX/865/A/4P/LL GE BX 1/10	26	6500	82	1710	20,000*	GX24q-3

*20000h life with 11 hour on / 1 hour off burning cycle with high frequency control gear and 12,000 hours for 42W
*20 000 h de vie avec un cycle d'allumage de 11 heures allumé/1 heure éteint avec une vitesse de contrôle haute fréquence et 12 000 heures pour 42 W

GE Biax™ Downlights
Spots encastrés Biax™ de GE

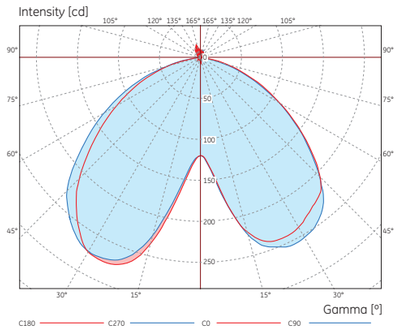
GE BIAX™ FIXED DOWNLIGHT RANGE 3
SPOTS ENCASTRÉS FIXES BIAX™ DE GE, GAMME 3

Dimensions [mm]

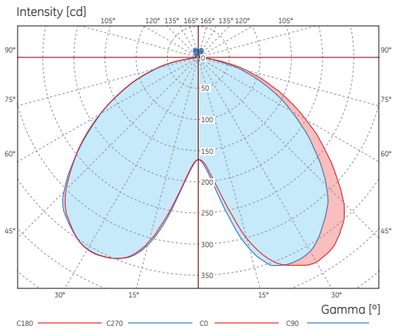




Light Output
Rendement lumineux



F26TBX



F32TBXa

Downlight CFL Product Selector / Choix de spots encastrés CFL

Product Code Code produit	Product Description Description produit	Lamp Product Code Code produit lampe	Ceiling Thickness Épaisseur de plafond	Certification Authentification
97815	1x26/32W CFL HF White CFL blanche 1x26/32W HF	See Lamp Selector (Biax™ T/E) Voir le choix de lampes (Biax™ T/E)	1-35mm	CE
97814	1x26/32W CFL 1-10V White CFL blanche 1x26/32W 1-10 V	See Lamp Selector (Biax™ T/E) Voir le choix de lampes (Biax™ T/E)	1-35mm	CE
97813	1x26/32W CFL DALI White CFL blanche 1x26/32W DALI	See Lamp Selector (Biax™ T/E) Voir le choix de lampes (Biax™ T/E)	1-35mm	CE

Specifications / Caractéristiques

Input Voltage [V] Tension d'entrée [V]	220-240 V
Input Frequency [Hz] Fréquence d'entrée [Hz]	50/60 Hz
Control / Contrôle	Static, 1-10V, DALI / Statique, 1-10 V, DALI
Warranty / Garantie	3 years / 3 ans
Files Available Fichiers disponibles	IES, LDT, Install instructions, Datasheets IES, LDT, instructions d'installation, fiches techniques
Dimensions	Ø 130 mm x 180 mm

Weight [kg] / Poids [kg]	≤ 0,7 kg
Operating Temperature Range Plage de températures en fonctionnement	-10°C to + 25°C -10 °C à + 25 °C
Humidity (non-condensing) Humidité (sans condensation)	20-50% Non-condensing, dry locations only 20-50 % sans condensation, emplacements secs uniquement
Storage Temperature Range Plage de températures d'entreposage	-40°C to + 70°C -40 °C à + 70 °C
IP Rating / Indice IP	20

CFL Lamp Selector / Choix de lampes CFL

Product Code Code produit	Order Code Description	Rated Power [W] Puissance nominale [W]	CCT [K]	CRI [Ra] IRC [Ra]	Initial Lumen [lm] Lumen initial [lm]	Rated Life [h] Durée de vie nominale [h]	Cap Culot
34393	F26TBX/827/A/4P/LL GE BX 1/10	26	2700	82	1800	20,000*	GX24q-3
34397	F26TBX/830/A/4P/LL GE BX 1/10	26	3000	82	1800	20,000*	GX24q-3
34406	F26TBX/835/A/4P/LL GE BX 1/10	26	3500	82	1800	20,000*	GX24q-3
34381	F26TBX/840/A/4P/LL GE BX 1/10	26	4000	82	1800	20,000*	GX24q-3
39377	F32TBX/827/A/4P/LL GE BX 1/10	32	2700	82	2200	20,000*	GX24q-3
39378	F32TBX/830/A/4P/LL GE BX 1/10	32	3000	82	2200	20,000*	GX24q-3
39379	F32TBX/835/A/4P/LL GE BX 1/10	32	3500	82	2200	20,000*	GX24q-3
39380	F32TBX/840/A/4P/LL GE BX 1/10	32	4000	82	2200	20,000*	GX24q-3

*20000h life with 11 hour on / 1 hour off burning cycle with high frequency control gear
*20 000 h de vie avec un cycle d'allumage de 11 heures allumé/1 heure éteint avec une vitesse de contrôle haute fréquence

Accessories for GE Downlights
Accessoires pour spots encastrés GE

Image Image	SKU Codes	Accessory Accessoires	Range 1 CMH Gimbal CMH cardan gamme 1	Range 1 LED Gimbal LED cardan gamme 1	Range 1 CMH Scoop CMH sphérique gamme 1	Range 2 CMH Fixed CMH fixe gamme 2	Range 2 CFL Fixed CFL fixe gamme 2	Range 2 LED Fixed LED fixe gamme 2	Range 3 CMH Fixed CMH fixe gamme 3	Range 3 CFL Fixed CFL fixe gamme 3	Range 3 LED Fixed LED fixe gamme 3
	98332	RAL9006 Silver Bezel R2 RAL9006 anneau argenté R2				✓	✓	✓			
	98337	RAL9006 Silver Bezel R3 RAL9006 anneau argenté R3							✓	✓	✓
	98333	Clear Halo Ring R2 Anneau en halo transparent R2					✓	✓			
	98338	Clear Halo Ring R3 Anneau en halo transparent R3								✓	✓
	98334	Clear Dropped Halo R2 Anneau retombant transparent en halo R2					✓	✓			
	98339	Clear Dropped Halo R3 Anneau retombant transparent en halo R3								✓	✓

R2 = Range 2 / R3 = Range 3
R2 = gamme 2 / R3 = gamme 3

Different environments, different needs
Environnements différents, besoins différents

GE's comprehensive range of indoor lighting solutions – Lumination™ LED Luminaires, Infusion™ LED Modules and CMH/Biax™ downlights – enables lighting designers to satisfy the often very different needs of different market sectors. Here are some of the key considerations for the office, retail, education, museum and healthcare environments.

La gamme complète de solutions d'éclairage intérieur de GE (luminaires LED Lumination™, modules LED Infusion™ et spots encastrés CMH/Biax™) permet aux concepteurs d'éclairage de répondre aux besoins souvent très différents des divers secteurs du marché. Voici quelques-unes des principales réflexions pour des environnements bureautiques, commerciaux, éducatifs, des musées et des services de santé.

Office

Effective office solutions create motivating and comfortable workplaces, environments that have a positive effect on both the space and the staff who work within that space, creating a mood that is conducive to productivity.

- Effective room surface illumination
- Choice of design aesthetic
- Sustainability
- Technical performance



Bureau

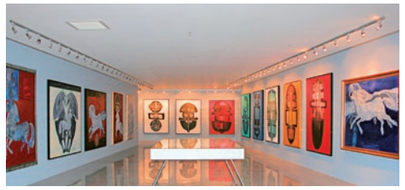
Des solutions bureautiques efficaces créent des ambiances de travail motivantes et confortables, des environnements influant positivement sur l'espace et les employés travaillant dans cet espace, créant une ambiance propice à la productivité.

- Éclairage efficace de l'espace de travail
- Choix d'une conception esthétique
- Durabilité
- Performance technique

Museums and galleries

Museums and art galleries generally have low levels of ambient light and downlight solutions are used to direct visitors from one area or another, to establish mood and create the optimum lighting conditions for viewing.

- Technical performance
- Differentiation of areas
- Colour quality
- Design flexibility



Musées et galeries

Les musées et les galeries d'art ont souvent un faible éclairage d'ambiance et des spots encastrés sont utilisés pour diriger les visiteurs vers une zone ou une autre, afin de créer une ambiance et des conditions d'éclairage optimales pour voir les oeuvres.

- Performance technique
- Différentiation des zones
- Qualité de la couleur
- Souplesse de la conception

Retail

Retail lighting is almost exclusively about designing schemes that create stimulating visual brightness, attracting footfall and enhancing merchandising to drive sales. Quality of light is critical in terms of maximising the shelf appeal of goods

- Good Vertical Illumination
- Enhance the Intuitive Process
- Strike Balance with Contrast
- Provide Visual Stimulus
- Colour Quality



Magasin

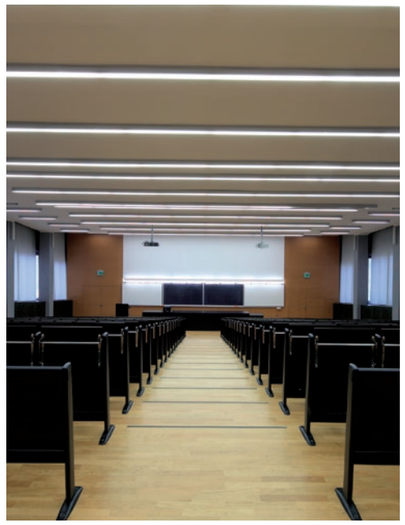
L'éclairage des magasins est presque uniquement centré sur des schémas de conception créant une brillance visuelle stimulante, attirant les chalands et mettant en valeur les marchandises pour améliorer les ventes. La qualité de la lumière est primordiale en termes d'augmentation de l'attrait vers l'étalage de marchandises.

- Bon éclairage vertical
- Améliore le processus intuitif
- Établit un équilibre avec le contraste
- Apporte un stimulus visuel
- Qualité de la couleur

Education

Lighting schemes have to satisfy a wide range of requirements, from classrooms and corridors to assembly halls and sports facilities. In all of these areas, the balance between natural daylight and artificial illumination is critical.

- Create a positive effect
- Provide functionality
- Provide visual stimulus
- Comforting ambience



Éducation

Les modèles d'éclairage doivent répondre à de nombreuses exigences, allant des salles de classes aux couloirs en passant par les salles de réunion et les installations sportives. Dans tous ces espaces, l'équilibre entre lumière du jour naturelle et éclairage artificiel est important.

- Crée un effet positif
- Offre une fonctionnalité
- Apporte un stimulus visuel
- Ambiance réconfortante

Healthcare

The No.1 objective here is to create a caring environment: there is a direct link between light quality and patient recovery rates. Other important factors include cost of ownership and maintenance requirements.

- Enhancing patient experience
- Ease of maintenance
- Energy saving
- Quality of light



Services de santé

L'objectif n°1 ici est de créer un environnement de soin : il existe un lien direct entre la qualité de la lumière et les taux de guérison des patients. D'autres facteurs importants incluent le coût de propriété et les exigences d'entretien.

- Améliorer l'expérience du patient
- Facilité d'entretien
- Économie d'énergie
- Qualité de la lumière

Sales offices
Bureaux commerciaux

ARGENTINA, URUGUAY, PARAGUAY
GE Iluminacion S.A.
Valentín Virasoro 2656
(B1643HDB) Beccar, Buenos Aires
Edificio Uruguay III, 2˚ Piso
Argentina
Tel: (54) 11 5556 3300
Fax: (54) 11 4736 6616

AUSTRALIA
GE Lighting Australia Ltd.
125-127 Long Street
Smithfield, NSW 2164
Australia
Tel: (61) 2 8788 6911
Fax: (61) 2 8788 7224

AUSTRIA, GERMANY, SWITZERLAND
GE Germany
Thomas-Edison-Platz 1
63263 Neu-Isenburg
Germany
T +49 (0)6102 36-1383
F +49 (0)6102 36-1393

BAHRAIN, IRAQ, JORDAN, KUWAIT, LEBANON, OMAN, PAKISTAN, QATAR, UAE, YEMEN
GE International Inc.
City Tower II, Sheikh Zayed Rd
P.O.Box 52905
Dubai
UAE
Tel: (971) 4 3310 444
Fax: (971) 4 3315 930

BOSNIA AND HERZEGOVINA
Media Light d.o.o.
Exclusive agent of GE Hungary Kft.
Lighting and Power Protection
Cesta na Brdo 109
1000 Ljubljana
Slovenia
Tel: (386) 1 530 4366
Fax: (386) 1 530 4361

BRAZIL
GE Iluminação do Brasil Comércio de Lâmpadas Ltda
Av Maria Coelho Aguiar, 215
Bloco G – Piso Jardim
Jd São Luiz - São Paulo/SP
05804-900 Brazil
Tel: (55) 11 3614-1833
Fax: (55) 11 3614-1825
SAC : 0800-333-4448

BULGARIA
VSD Merkur
Sales Representative of
GE Hungary Kft.
Office 31, entr. 4
2 Nikolai Haitov str.
1113 Sofia, Bulgaria
T +359 2 8705586
F +359 2 9733325

CANADA
GE Lighting Canada
468 South Service Road E,
Oakville, Ontario L6J 2X6
Canada
Tel: (1) 877 259 0941

CARIBBEAN & CENTRAL AMERICA
General Electric Company
790 N.W. 107 Avenue, Suite 204
Miami, Florida 33172
USA
Tel: (1) 305 551 5114
Fax: (1)305 551 5116

CHILE, BOLIVIA
General Electric de Chile S.A.
Av Isidora Goyenechea 2800.
Las Condes
Edificio Titanium, Piso 21
Zip Code: 75500647
Santiago
Chile
Tel: (56) 2 652 6500
Fax: (56) 2 652

CHINA
GE Consumer & Industrial
Shanghai Office
(GE Enterprise Development Co., Ltd)
(GE Lighting Co., Ltd)
22F~24F, Building C, Hi-Tech
Building, 900 Yishan Road,
PC: 200233
Shanghai
P.R. China
Tel: (86) 21 24013333
Fax: (86) 21 64857177

COLOMBIA
General Electric International Inc.
Calle 113 N˚7 - 80 Oficina 1001
Torre AR
Bogotá
Colombia
Tel: (57) 1 742 5660
Fax: (57) 1 742 5569

CROATIA
Media Light d.o.o.
Exclusive agent of GE Hungary Kft.
Lighting and Power Protection
Cesta na Brdo 109
1000 Ljubljana
Slovenia
Tel: (386) 1 530 4366
Fax: (386) 1 530 4361

CYPRUS, MALTA
General Electric Medical Systems SA
156 Kyprou Av. & 91
Konstantinoupoleos Str.
164 51 Argyroupolis, Athens
Greece
Tel: (30) 210 9690 669
Fax: (30) 210 9625 931

CZECH REPUBLIC, SLOVAKIA
GE Hungary Kft.
1044 Budapest
Váci út 77.
Tel.: (36) 1 399 1100
Fax: (36) 1 399 1672

DENMARK
GE Lighting A/S
Park Alle 295
DK-2605 Bröndby
Denmark
Tel: (45) 8040 4945
Fax: (45) 8040 4947

FINLAND
GE Consumer & Industrial Oy
Kuortaneenkatu 2
00510 Helsinki
Finland
Tel: (358) 103942507
Fax: (358) 103942515

FRANCE & BENELUX
GE Lighting SARL
ZAC Paris Nord II
13, rue de la Perdrix
B.P. 50073
95947 Roissy CDG Cedex
France
Tel: (33) 1 48 63 68 00
Fax: (33) 1 48 63 68 08

GREECE
General Electric Medical Systems SA
156 Kyprou Av. & 91
Konstantinoupoleos Str.
164 51 Argyroupolis, Athens
Greece
Tel: (30) 210 9690 669
Fax: (30) 210 9625 931

HONG KONG
GE International Operations Co.Inc.
8th Floor, The Lee Gardens
33 Hysan Avenue
Causeway Bay
Hong Kong
Tel: (852) 2100 6900
Fax: (852) 2376 0013

HUNGARY
GE Hungary Kft.
1044 Budapest
Váci út 77.
Tel: (36) 1 399 1100
Fax: (36) 1 399 1672

INDIA, SRI LANKA
GE India Industrial Pvt Ltd.
42/1, Electronic City Phase 2
Bangalore – 560100
Karnataka
India
Tel: (91) 80 41113000
Fax: (91) 80 28528366

INDONESIA
PT.GE Lighting Indonesia
Gedung BRI II,27 th Floor
Jl.Jenderal Sudirman Kav.
44-46,Jakarta 10210
Indonesia
Tel: (62) 21 574 5240
Fax: (62) 21 574 5241

IRELAND
GE Lighting Ltd.
280 Holly Road
Western Industrial Estate
Naas Road
Dublin 12
Ireland
Tel: (353) 1 456 5591
Fax: (353) 1 450 4142

ITALY
GE Lighting Srl
Centro Dir. Colleoni
Palazzo Andromeda B1 – 3˚ P
via Paracelso 16
20864 – Agrate Brianza (MB)
N. Verde Nord 800977820
N. Verde Centro - Sud 800977821
Tel: (39) 02 37027700
Fax: (39) 02 37027777

ISRAEL
GE Hungary
Váci út 77
1044 Budapest
Hungary
Tel: (36) 1 231 5280
Fax: (36) 1 231 5121

JAPAN
GE Consumer Products Japan, Ltd.
12F Akasaka Park Bldg., 5-2-20
Akasaka, Minatoku,
Tokyo 107-6112
Japan
Tel: (81) 3 5544 6700
Fax: (81) 3 5544 6760

KAZAKHSTAN
GE International Inc. Branch in Kazakhstan
Prime Business Center
Ul. Furmanova, 100G, Office 302
480091, Almaty
Kazakhstan
Tel: (7) 3272 588 010
Fax: (7) 3272 588 011

KOREA
GE Lighting Korea
9th Floor, POBA Gangnam Tower,
343,
Hakdong-ro (Nonhyundong 119)
Kangnam-Gu, Seoul,
135-820,Korea
Tel: (82) 2 6201 4300
Fax: (82) 2-6201-4343, 4344

MACEDONIA & ALBANIA
VSD Merkur d.o.o
ul.Vasil Glavinov 7b/3
1000 Skopje
Macedonia
T + 389 2 3244 790
F + 389 2 3244 797

MALAYSIA
General Electric International Inc.
Level 6, 1 Sentral,
Jalan Travers,
Kuala Lumpur Sentral,
50470 Kuala Lumpur
Malaysia
Tel: (60) 3 2273 9788
Fax: (60) 3 2273 3473

MEXICO
GE Lighting Mexico, SA de CV
Av. Churubusco No 3900 Norte
Apartado Postal 216
64510 Monterrey, N.L. Mexico
Mexico
Tel: (52) 8 318 5600
Fax: (52) 8 318 5693

MONTENEGRO
VSD Merkur dooel Sales
Representative of GE Hungary Kft.
Bul. Mihajla Pupina 10D/105
11070 Novi Beograd
Serbia
Tel: (381) 11 311 9256
Fax: (389) 2 324 4797

NEW ZEALAND
GE Lighting New Zealand
8 Tangihua St
Auckland 1010
New Zealand
Tel: (64) 9 353 6706
Fax: (64) 9 353 6707

NORTH AFRICA, CENTRAL AFRICA
GE Hungary
Váci út 77
1044 Budapest
Hungary
Tel: (36) 1 231 5280
Fax: (36) 1 231 5121

NORWAY
GE Lighting AS
Karenslyst Allé 2,
Postboks 589
0214 Oslo
Norway
Tel: (47) 80011321
Fax: (47) 80011048

PERU, ECUADOR
GE Lighting Peru SA
Amador Merino Reina 267 Of.902
San Isidro
Lima
Peru
Tel: (511) 610-4347
Fax: (511) 610-4330

PHILIPPINES
GE Lighting Philippines
1873 P. Domingo Street
1207 Makati City, Metro Manila
POB 2087 MCC
Philippines
Tel: (63) 2 895 7051
Fax: (63) 2 890 8186

POLAND AND BALTICS (EST, LIT, LAT)
Ul. Odrowąża 15
03-310 Warszawa
Phone for Poland
(48) 601 999 071
Phone for Baltics
(48) 601 999 836

PORTUGAL
GE Lighting Appliances España, s.a.
Av Galileo Galilei 11
Parque Empresarial La Carpetania
28906 getafe,Madrid
Spain
Freephone in Portugal:
(800) 836 010
Free fax in Portugal: (800) 836 007

ROMANIA, MOLDOVA
SC VSD Merkur Lighting Group SRL
Sales Representative of
GE Hungary Kft.
0407280 Floresti, Jud. Cluj
Str. Gheorghe Doja, Bl. 13, Ap. 1
Romania
Tel.: (40) 726 279 722
Fax: (40) 727 599 235

RUSSIA
GE Rus LLC
10 Presnenskaya nab.
Moscow 123317, Russia
T 7 495 739 6811
F 7 495 739 6801

SAUDI ARABIA
GE International Inc.CO
5th Floor, Tatweer Towers
King Fahad Road,
PO Box: 10211
Riyadh 11433
Saudi Arabia
Tel: (966 1) 207-3800
Fax: (966 1) 207-3900 & 207-3901

SERBIA
VSD MERKUR dooel Exclusive Agent of GE Hungary Kft.
Bul. Mihajla Pupina 10D/105
11070 Novi Beograd
Serbia
Tel: (381) 11 3119256
Fax: (381) 11 3119257

SINGAPORE, BRUNEI
GE Pacific Pte. Ltd.
240 Tanjong Pagar Road
#06-00 GE Tower
Singapore 088540
Singapore
Tel: (65) 6326 3319
Fax: (65) 6326 3015

SLOVENIA
Media Light d.o.o.
Exclusive agent of GE Hungary Kft.
Lighting and Power Protection
Cesta na Brdo 109
1000 Ljubljana
Slovenia
Tel: (386) 1 5304366
Fax: (386) 1 530 4361

SOUTH AFRICA
GE South Africa - Consumer and Industrial
Unit 4, 130 Gazelle Avenue,
Corporate Park
Midrand 1685
South Africa
Tel: (27) 11 237 0000
Fax: (27) 11 314 7518

SPAIN
GE Lighting Appliances España, s.a.,
Av Galileo Galilei 11
Parque Empresarial La Carpetania
28906 getafe,Madrid
Spain
Freephone in Spain: 900 993.612
Free fax in Spain: 900 993.609

SWEDEN
GE Lighting AB,
FE 306
Vendevägen 89
SE-182 82 Stockholm, Sweden
Tel: (46) 8 51 99 22 12
Fax: (46) 8 51 99 22 14

THAILAND, CAMBODIA, LAOS
GE Lighting (Thailand) Ltd.
1126/2 Vanit Building II, 16th Floor,
Room No. 1603, New Petchburi
Road, Makkasan, Rajchthewi,
Bangkok 10400
Thailand
Tel: (66) 2 255 8721-31
Fax: (66) 2 255 8733

TAIWAN
GE Lighting Taiwan
7FL, No 8, Sec 3, Min Sheng E. Rd,
Taipei, 104,
Taiwan
Tel: (886) 2 21837000
Fax: (886) 2 25167356

TURKEY
General Elektrik Turk Ltd.
Maslak Mah. Dereboyu Cad.
Bilim Sok. Sun Plaza No:5/6
34398 Sisli İstanbul
Turkey
Tel: (90) 212 366 28 00
Fax: (90) 212 366 28 40

UKRAINE
General Electric Co.
Horizont Tower
42/44 Shovkovichna str., 8 Floor
Kiev 01004
Ukraine
Tel: (380) 44 490 69 83
Fax: (380) 44 490 69 82

UNITED KINGDOM
GE Lighting Ltd.
Houghton Centre
Northampton
NN4 7EX
United Kingdom
Tel: (44) 800 169 8290
Fax: (44) 800 169 8284

UNITED STATES OF AMERICA
GE Lighting
Nela Park, 1975 Noble Road
Cleveland, Ohio 44112
USA
Tel: (1) 216 266 2121
Fax: (1) 216 266 2780

VENEZUELA
Av. Guaicaipuro con Ppal de las Mercedes
Torre Forum Piso 15 Municipio Chacao-El Rosal
CARACAS
Venezuela
Tel: (58) 212 902 5131
Fax: (58) 212 902 5158

VIETNAM
GE Consumer & Industrial
7fl, Saigon Centre, 65 Le Loi blv,
Dist.1,
Hochiminh City,
Vietnam
Tel: (84) 4 8251016
Fax: (84) 4 8250551

www.gelighting.com

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted by law.
Indoor Solutions catalogue – October 2012

GE Lighting développe et améliore constamment ses produits. C'est pourquoi toutes les descriptions des produits de cette brochure sont données à titre indicatif, il se peut que nous changions de temps à autre les caractéristiques, dans l'intérêt du développement du produit, sans notification préalable ou avis public. Toutes les descriptions de cette publication ne présentent que des détails généraux des marchandises auxquelles elles se réfèrent et ne sont associées à aucun contact. Les données de ce guide ont été obtenues dans des conditions d'expérimentation contrôlée. Cependant, GE Lighting ne peut endosser la responsabilité découlant de la dépendance à ces données, dans la limite autorisée par la loi.
Catalogue solutions d'éclairage intérieur - Octobre 2012

www.gelighting.com

and General Electric are both registered trademarks of the General Electric Company

et General Electric sont des marques déposées de General Electric Company

GE
Lighting

Traditional Indoor Luminaires



GE imagination at work

www.gelighting.com

Choosing the right fitting

For industrial and commercial environments, the use of appropriate illumination systems is essential for profitable growth, greater safety in the workplace, improved productivity and reduced error and reject rates. The design of the „most appropriate illumination system" is not limited to easily quantifiable aspects (energy savings, efficacy, etc.), but must also pay heed to qualitative aspects, such as visual comfort and the appearance of the installation.





- Office
- Education
- Retail
- Hospitality
- Industrial
- Car Park
- Home
- Healthcare



Quality and technology

Top quality techniques and advanced technology for best results

GE Lighting constantly works on new technology and new top quality products. Registered licensed international institutions support GE in the testing process. Every year the Company invests significant capital for in-house research and development to meet customers' needs and expectations. From the planning to the final product, GE Lighting tests safety, performance and quality in its laboratories. Tests are in accordance with domestic and international laws and laboratory equipment is chosen to provide complete reliability of results.



Certifications

Products and systems in accordance with high quality standards

ConstantColor™ Ceramic Metal Halide (CMH) lighting offers a high quality light source for a wide range of applications.
Available in Single Ended, Double Ended, Supermini, MR16 and reflector variations.

UNI EN ISO 9001

GE Lighting's quality system is certified to UNI EN ISO 9001 since 1997.

ISO 14001

In June 2000 GE Lighting was awarded ISO 14001 Certificate.

ISO 16949

CE GE Lighting's quality system is in compliance with the standard ISO 16949 certificate.

All GE Lighting products carry CE mark: an EU declaration of conformity that allows free circulation in the European market. Applicable Directives to lighting fittings are: Low Voltage Directive (LVD) 2006/95/EC and Electromagnetic Compliance (EMC) Directive 2004/108/EC.

Most of our lighting fittings and their components have been granted free circulation by ENEC Mark Licence (European Norms Electrical Certification). ENEC is the European certification mark of conformity to the standards EN for the luminaires and their components instituted within Cenelec by 20 European organizations of electric certification for the mutual acknowledgement of a single mark. On the side of the ENEC Mark is specified the country that issued the certification. The ENEC mark is based on the application of the following principles:

- The manufacturer must have a firm quality system certified UNI EN ISO 9001.
- The product is inspected during production.
- The product is submitted for final approval.



Traditional Indoor Luminaires

Surface mounted



Mariner 5
Wattage: 14-80W
Voltage: 220-240V
Page 5



Mariner N
Wattage: 18-58W
Voltage: 220-240V
Page 7



Mariner MASP
Wattage: 35-80W
Voltage: 220-240V
Page 11



Mariner MAX
Wattage: 35-80W
Voltage: 220-240V
Page 15



Mariner MAC
Wattage: 18-58W
Voltage: 220-240V
Page 19

Surface and wall mounted



Mini Stylo
Wattage: 8-28W
Voltage: 220-240V
Page 23



Stylo
Wattage 8-58W
Voltage: 220-240V
Page 25



Eurostylo
Wattage 8-58W
Voltage: 220-240V
Page 27



Flat
Wattage: 8-13W
Voltage: 220-240V
Page 29

Wall mounted



Brio
Wattage: 16-38W
Voltage: 220-240V
Page 31



Diamond
Wattage 16-38W
Voltage: 220-230V
Page 35

Selector

Recessed



TopDBX
Wattage: 13-26W
Voltage: 220-240V
Page 37

Suspended



NPP T5
Wattage: 14-80W
Voltage: 220-240V
Page 41



NPP T8
Wattage: 18-58W
Voltage: 220-240V
Page 47



NAL System
Wattage: 4.5W
Voltage: 220-240V
Page 53



NPQ T5
Wattage: 14-80W
Voltage: 220-240V
Page 55



NPQ T8
Wattage: 36-58W
Voltage: 220-240V
Page 61

High-bay Low-bay



Eurobay
Wattage: 150-400W
Voltage: 230V
Page 67



Filterglow
Wattage: 250-1000W
Voltage: 230V
Page 71



Versabeam
Wattage: 250-1000W
Voltage: 230V
Page 75



Low mount
Wattage: 250-400W
Voltage: 230V
Page 77



Conserva
Wattage 150-400W
Voltage: 230V
Page 81



Uniglow
Wattage 250-1000W
Voltage: 230V
Page 85

Mariner 5



IP65 | IP65 | IK07 | 0.73-2 KG | F

Standard surface mounted waterproof luminaire created for T5 lamps and fitted with an electronic ballast. A slim profile luminaire, it is supplied in single and twin lamp versions. IP65 rated, it is designed to provide protection against contamination from water or accidential damage. Neutral aesthetic renders the product suitable for applications in both commercial and residential environments as well as industrial environments.

Structures and materials

- **Body:** impact-resistant, self-extinguishing polycarbonate.
- **Colour:** grey.
- **Clips:** high resistant polycarbonate.

Optics

- **Diffuser:** shockproof safety diffuser in polycarbonate.
- **Reflector:** white painted steel.

Electrical and gear compartment

- 220-240V/50-60Hz warm start electronic ballast.
- Wiring connector with 2.5mm^2 clamp screws.

Maintenance

- Replace light source by removing diffuser.

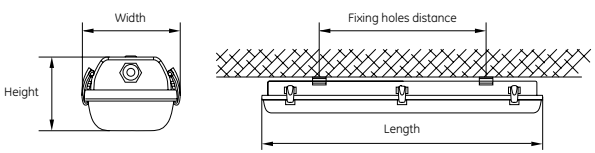
Accessories

- Accessories are not available.

Lamp

- Luminaire is supplied without lamp.

Dimensions [mm]



Lamp qty & type	Length [mm]	Fixing holes distance [mm]	Height [mm]	Width [mm]
14W				
1xF14 T5	610	375	80	62
2xF14 T5	610	375	80	104
28W				
1xF28 T5	1210	799	80	62
2xF28 T5	1210	799	80	104
35W				
1xF35 T5	1510	960	80	62
2xF35 T5	1510	960	80	104
49W				
1xF49 T5	1510	960	80	62
2xF49 T5	1510	960	80	104
54W				
1xF54 T5	1210	799	80	62
1xF54 T5	1210	799	80	104
80W				
1xF80 T5	1510	960	80	62

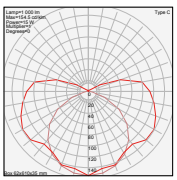
Mariner 5 specification

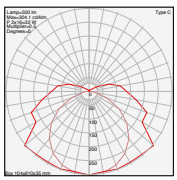
Mounting type	Surface mounted
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

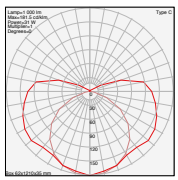
Surface mounted

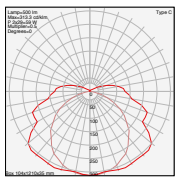
Retail Industrial Car Park

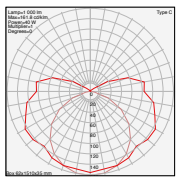
Photometric data

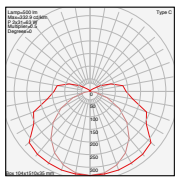

MARINER 5 1 x 14W T5 LFL (76968)

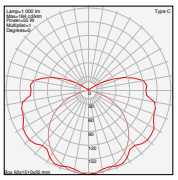

MARINER 5 2 x 14W T5 LFL (76969)

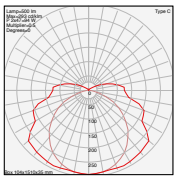

MARINER 5 1 x 28W T5 LFL (76970)

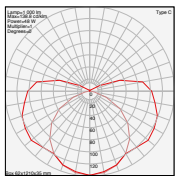

MARINER 5 2 x 28W T5 LFL (76971)

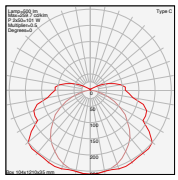

MARINER 5 1 x 35W T5 LFL (76972)

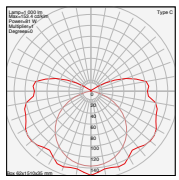

MARINER 5 2 x 35W T5 LFL (76973)


MARINER 5 1 x 49W T5 LFL (76976)


MARINER 5 2 x 49W T5 LFL (76977)


MARINER 5 1 x 54W T5 LFL (76974)


MARINER 5 2 x 54W T5 LFL (76975)

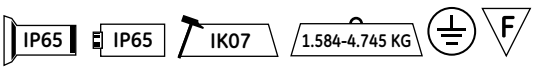

MARINER 5 1 x 80W T5 LFL (76978)

Mariner 5 product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Ballast	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 14	NL MARINER 5 114T5EB R LL 220-240 GE	1 x 14W T5 LFL	No	0.73	Electronic	No	1	Grey	220-240V	IP65	76968
2 x 14	NL MARINER 5 214T5EB R LL 220-240 GE	2 x 14W T5 LFL	No	1.00	Electronic	No	1	Grey	220-240V	IP65	76969
1 x 28	NL MARINER 5 128T5EB R LL 220-240 GE	1 x 28W T5 LFL	No	1.18	Electronic	No	1	Grey	220-240V	IP65	76970
2 x 28	NL MARINER 5 228T5EB R LL 220-240 GE	2 x 28W T5 LFL	No	1.7	Electronic	No	1	Grey	220-240V	IP65	76971
1 x 35	NL MARINER 5 135T5EB R LL 220-240 GE	1 x 35W T5 LFL	No	1.38	Electronic	No	1	Grey	220-240V	IP65	76972
2 x 35	NL MARINER 5 235T5EB R LL 220-240 GE	2 x 35W T5 LFL	No	2	Electronic	No	1	Grey	220-240V	IP65	76973
1 x 49	NL MARINER 5 149T5EB R LL 220-240 GE	1 x 49W T5 LFL	No	1.39	Electronic	No	1	Grey	220-240V	IP65	76976
2 x 49	NL MARINER 5 249T5EB R LL 220-240 GE	2 x 49W T5 LFL	No	2	Electronic	No	1	Grey	220-240V	IP65	76977
1 x 54	NL MARINER 5 154T5EB R LL 220-240 GE	1 x 54W T5 LFL	No	1.19	Electronic	No	1	Grey	220-240V	IP65	76974
2 x 54	NL MARINER 5 254T5EB R LL 220-240 GE	2 x 54W T5 LFL	No	1.7	Electronic	No	1	Grey	220-240V	IP65	76975
1 x 80	NL MARINER 5 180T5EB R LL 220-240 GE	1 x 80W T5 LFL	No	1.45	Electronic	No	1	Grey	220-240V	IP65	76978

Mariner N





Standard surface mounted / suspended waterproof fittings created for T8 lamps. Fitted with electronic and magnetic ballast as standard. Slim profile luminaire, supplied in single and twin lamp versions for installations. IP65 rated, where effective protection against contamination from water or accidential damage are major considerations for the end-user. Neutral aesthetics render the product suitable for applications in both commercial and residential environments as well as industrial environments.

Structures and materials

- **Body:** Impact-resistant, self-extinguishing polycarbonate.
- **Colour:** Grey.
- **Clips:** High resistant polycarbonate as standard. Available in stainless steel version as accessories.

Optics

- **Diffuser:** robust, transparent, self-extinguishing polycarbonate. Prismatic on the inside. Smooth external surface for easy cleaning.
- **Reflector:** white powder coated steel sheet. Used to support ballast wire. Hooks to its own mounting if maintenance is required.

Electrical and gear compartment

- **Magnetic ballast:** 230V 50Hz with fireproof wires.
- **Electronic ballast:** 220-240V/50-50Hz warm start with wiring connector with 2.5mm^2 clamp screws.

Maintenance

- Replace light source by removing diffuser.

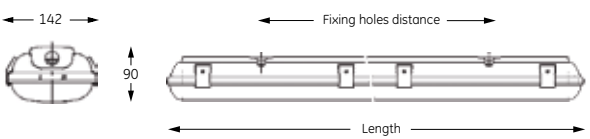
Lamp

- Luminaire is supplied without lamp.

Accessories

- More accessories are available (diffusers, metal-plastic clips and connection kits for surface/suspended fixing). All of them are supplied with luminaire, except metal clips.

Dimensions [mm]

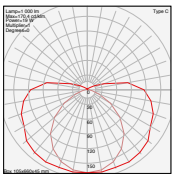


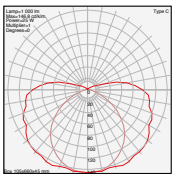
Type	Length (mm)	Fixing hole (mm)
MARN 36W		
MARN 1x36	1270	900
MARN 2x36	1270	900
MARN 58W		
MARN 1x58	1570	900
MARN 1x58	1570	900

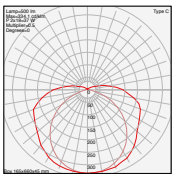
Surface mounted

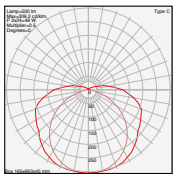
Retail Industrial Car Park

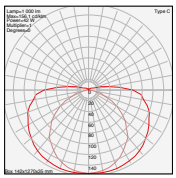
Photometric data

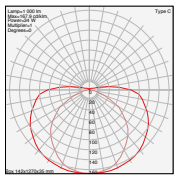

MARINER N 1 x 18W T8 LFL
(43788)

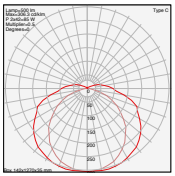

MARINER N 1 x 18W T8 LFL
(43800)

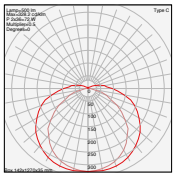

MARINER N 2 x 18W T8 LFL
(43789)

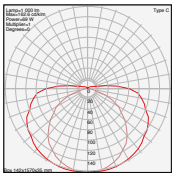

MARINER N 2 x 18W T8 LFL
(43801)

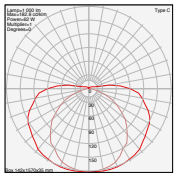

MARINER N 1 x 36W T8 LFL
(43769)

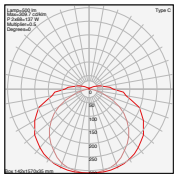

MARINER N 1 x 36W T8 LFL
(43773)

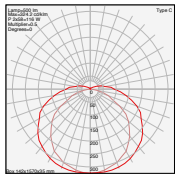

MARINER N 2 x 36W T8 LFL
(43770)


MARINER N 2 x 36W T8 LFL
(43775)


MARINER N 1 x 58W T8 LFL
(43771)


MARINER N 1 x 58W T8 LFL
(43774)


MARINER N 2 x 58W T8 LFL
(43772)


MARINER N 2 x 58W T8 LFL
(43776)

Mariner N Specification

Mounting type	Surface mounted / Suspended
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

Mariner N product list

Wattage	Description	Lamp qty & type	Lamp included	Weight (kg)	Ballast	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 18	NL MARINER MARP118EB LL 230 GE	1 x 18W T8 LFL	No	1.584	Electronic	No	1	Grey	220-240V	IP65	43788
1 x 18	NL MARINER MARP118EESONLY LL 230 GE	1 x 18W T8 LFL	No	1.584	Magnetic	For 1 hour	1	Grey	230V	IP65	43792
1 x 18	NL MARINER MARP118H LL 230 GE	1 x 18W T8 LFL	No	1.584	Magnetic	No	1	Grey	230V	IP65	43800
2 x 18	NL MARINER MARP218HEES LL 230 GE	2 x 18W T8 LFL	No	2.4	Magnetic	For 1 hour	1	Grey	230V	IP65	43787
2 x 18	NL MARINER MARP218EB LL 230 GE	2 x 18W T8 LFL	No	2.4	Electronic	No	1	Grey	220-240V	IP65	43789
2 x 18	NL MARINER MARP218EBEES LL 230 GE	2 x 18W T8 LFL	No	1.584	Electronic	For 3 hours	1	Grey	220-240V	IP65	43793
2 x 18	NL MARINER MARP218H LL 230 GE	2 x 18W T8 LFL	No	2.4	Magnetic	No	1	Grey	230V	IP65	43801
1 x 36	NL MARINER MARN136H R LL 230 GE	1 x 36W T8 LFL	No	2.29	Magnetic	No	1	Grey	230V	IP65	43769
1 x 36	NL MARINER MARN136EB R LL 230 GE	1 x 36W T8 LFL	No	1.96	Electronic	No	1	Grey	220-240V	IP65	43773
1 x 36	NL MARINER MARN136EES R LL 230 GE	1 x 36W T8 LFL	No	2.754	Magnetic	For 1 hour	1	Grey	230V	IP65	43777
1 x 36	NL MARINER MARN136EBEES R LL 230 GE	1 x 36W T8 LFL	No	2.754	Electronic	For 3 hours	1	Grey	220-240V	IP65	43781
2 x 36	NL MARINER MARN236H R LL 230 GE	2 x 36W T8 LFL	No	2.85	Magnetic	No	1	Grey	230V	IP65	43770
2 x 36	NL MARINER MARN236EB R LL 230 GE	2 x 36W T8 LFL	No	2.03	Magnetic	No	1	Grey	220-240V	IP65	43775
2 x 36	NL MARINER MARN236HEES R LL 230 GE	2 x 36W T8 LFL	No	3.34	Magnetic	For 1 hour	1	Grey	230V	IP65	43779
2 x 36	NL MARINER MARN236EBEES R LL 230 GE	2 x 36W T8 LFL	No	2.63	Electronic	For 3 hours	1	Grey	220-240V	IP65	43783
1 x 58	NL MARINER MARN158H R LL 230 GE	1 x 58W T8 LFL	No	3.05	Magnetic	No	1	Grey	230V	IP65	43771
1 x 58	NL MARINER MARN158EB R LL 230 GE	1 x 58W T8 LFL	No	2.29	Electronic	No	1	Grey	220-240V	IP65	43774
1 x 58	NL MARINER MARN158EES R LL 230 GE	1 x 58W T8 LFL	No	3.713	Magnetic	For 1 hour	1	Grey	230V	IP65	43778
1 x 58	NL MARINER MARN158EBEES R LL 230 GE	1 x 58W T8 LFL	No	3.713	Electronic	For 3 hours	1	Grey	220-240V	IP65	43782
2x 58	NL MARINER MARN258H R LL 230 GE	2 x 58W T8 LFL	No	3.95	Magnetic	No	1	Grey	230V	IP65	43772
2x 58	NL MARINER MARN258EB R LL 230 GE	2 x 58W T8 LFL	No	2.38	Magnetic	No	1	Grey	220-240V	IP65	43776
2x 58	NL MARINER MARN258EES R LL 230 GE	2 x 58W T8 LFL	No	4.745	Magnetic	For 1 hour	1	Grey	230V	IP65	43780
2x 58	NL MARINER MARN258EBEES R LL 230 GE	2 x 58W T8 LFL	No	4.745	Electronic	For 3 hours	1	Grey	220-240V	IP65	43784
2x 58	NL MARINER MARN 258H R MC LL 230 GE	2 x 58W T8 LFL	No	3.95	Magnetic	No	1	Grey	230V	IP65	74388*
2x 58	NL MARINER MARN 258EB R MC LL 230 GE	2 x 58W T8 LFL	No	2.38	Electronic	No	1	Grey	220-240V	IP65	75012*

* supplied with metal clips

Mariner N Accessories

Product code	Picture	Description	1 x 18 43788 43792 43800	1 x 18 43788 43792 43800	1 x 36 43769 43773 43777 43781	2 x 36 43770 43775 43779 43783	1 x 58 43771 43774 43778 43782	2 x 58 43772 43776 43780 43784
44124		Rapid connection kit for suspended fixing - Spare part NL RAPIDKIT BAG 2PCS GE	•	•				
44120		Connection kit for suspended fixing - Spare part NL MARINER ACCESSORIES BAG GE	•	•				
74752		Metal clip NL MARINER METAL STS CLIPS 10PK GE			•	•		
74753		Metal clip NL MARINER METAL STS CLIPS 12PK GE					•	•
44116		Rapid connection kit for surface mounting - Spare part NL MARINER PLUS NEW RAPIDKIT 2 PCS GE			•	•	•	•
44117		Plastic clip - Spare part NL MARINER PLUS CLIPS BAG 36W GE			•	•		
44118		Connection kit for suspended fixing - Spare part NL MARINER PLUS ACCESSORY BAG GE			•	•	•	•
44121		Plastic clip - Spare part NL MARINER CLIPS BAG 18W GE	•	•				
44262		Diffuser - Spare part NL MARINER DIFFUSER MARP118 GE	•					
44265		Diffuser - Spare part NL MARINER DIFFUSER MARP218 GE		•				
44268		Diffuser - Spare part NL MARINER PLUS DIFFUSER 136-236 GE			•	•		
44269		Diffuser - Spare part NL MARINER PLUS DIFFUSER 158-258 GE					•	•
45552		Plastic clip - Spare part NL MARINER PLUS CLIPS BAG 58W GE					•	•

Mariner MASP



IP65 | IP65 | IK07 | 4.9-9 KG | F

Surface mounted / suspended waterproof luminares for T5 and T8 fluorescent lamps. Ideal for higher height applications. Proper protection against contamination from water and accidental abuse. Best for humid and/or dusty environments.

Structures and materials

- **Body:** Robust polycarbonate, freon free, expanded polyurethane foam seal. D 21mm cable tray system, with tear-proof cable gland for 6-12mm diameter wires and two nylon-reinforced suspension hangers.
- **Colour:** Grey.
- **Diffuser:** Robust transparent Lexan® polycarbonate; UV-stabilized, anti-yellowing, injection-moulded, perfectly smooth for best downlight results.
- **Reflector:** High-reflecting, phosphate, white epoxy polyester powder coated steel sheet or mirror-finished, highly reflective aluminium.
- **Clips:** Interconnected stainless-steel joints.

Electrical and gear compartment

- **Magnetic ballast:** low-loss 230V 50Hz with fireproof wires. HPF ballast with incorporated discharge resistance capacitor, three pole connector with fuse, screw terminals for conductors up to 2.5mm^2.
- **Electronic ballast:** 220-240V 50-60Hz warm start, 3 pole connector with fuse, screw terminals for conductors up to 2.5mm^2.

Installation methods

1. Surface mounting with supplied gaskets or RAPIDKIT (not supplied) for fast installation.
2. Suspension mounting including two suspension hangers (supplied).
3. NAL channel with NAL 1023 (not supplied) and RAPIDKIT (not supplied).

Maintenance

- Replace light source by removing diffuser.

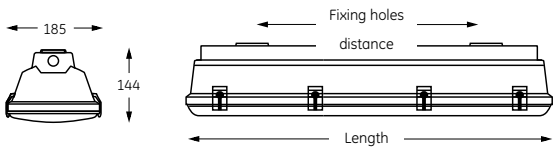
Accessories

- More accessories are available (diffusers, metal-plastic clips and connection kits for suspended fixing).

Lamp

- MASP T5 complete with GE T5 lamps. MASP T8 luminaire is supplied without lamp. More details under product list.

Dimensions [mm]

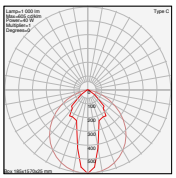


Type	Length L (mm)	Fixing hole D (mm)
MARINER MASP T5		
35W		
MASP 1x35W	1570	1200
MASP 2x35W	1570	1200
49W		
MASP 1x49W	1570	1200
MASP 2x49W	1570	1200
80W		
MASP 1x80W	1570	1200
MASP 2x80W	1570	1200
MARINER MASP T8		
58W		
MASP 1x58W	1570	1200
MASP 2x58W	1570	1200

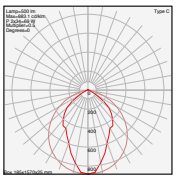
Surface mounted

Retail Industrial Car Park

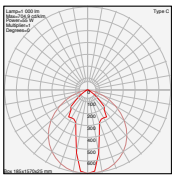
Photometric data



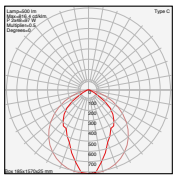
MASP 1 x 35W T5 LFL
(44209)



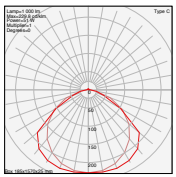
MASP 2 x 35W T5 LFL
(44210)



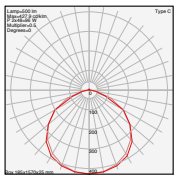
MASP 1 x 49W T5 LFL
(44207)



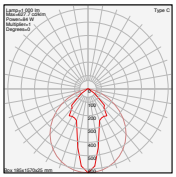
MASP 2 x 49W T5 LFL
(44208)



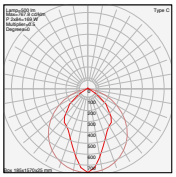
MASP 1 x 58W T8 LFL
(43810)



MASP 2 x 58W T8 LFL
(43808)



MASP 1 x 80W T5 LFL
(44204)



MASP 2 x 80W T5 LFL
(44205)

MASP Specification

Mounting type	Surface fixed / Suspended
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

MASP product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Ballast	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 35	NL MARINER MASP135T5EB CWL GE	1 x 35W T5 LFL	Yes	9	Electronic	No	1	Grey	220-240V	IP65	44209
2 x 35	NL MARINER MASP235T5EB CWL GE	2 x 35W T5 LFL	Yes	9	Electronic	No	1	Grey	220-240V	IP65	44210
1 x 49	NL MARINER MASP149T5EB CWL GE	1 x 49W T5 LFL	Yes	9	Electronic	No	1	Grey	220-240V	IP65	44207
2 x 49	NL MARINER MASP249T5EB CWL GE	2 x 49W T5 LFL	Yes	9	Electronic	No	1	Grey	220-240V	IP65	44208
2 x 49	NL MARINER MASP249EB EES CWL 220-240V GE	2 x 49W T5 LFL	Yes	5.6	Electronic	For 1 hour	1	Grey	220-240V	IP65	75073
1 x 58	NL MARINER MASP158EB LL 230 GE	1 x 58W T8 LFL	No	9	Electronic	No	1	Grey	220-240V	IP65	43810
1 x 58	NL MARINER MASP158H LL 230 GE	1 x 58W T8 LFL	No	9	Magnetic	No	1	Grey	230V	IP65	43802
1 x 58	NL MARINER MASP158HAL LL 230 GE	1 x 58W T8 LFL	No	9	Magnetic	No	1	Grey	230V	IP65	43804
1 x 58	NL MARINER MASP158EES LL 230 GE	1 x 58W T8 LFL	No	9	Magnetic	For 1 hour	1	Grey	230V	IP65	43811
1 x 58	NL MARINER MASP158ALEB LL 230 GE	1 x 58W T8 LFL	No	4.9	Electronic	No	1	Grey	220-240V	IP65	43812
1 x 58	NL MARINER MASP158ALEES LL 230 GE	1 x 58W T8 LFL	No	9	Magnetic	For 1 hour	1	Grey	230V	IP65	43814
2 x 58	NL MARINER MASP258EB LL 230 GE	2 x 58W T8 LFL	No	9	Electronic	No	1	Grey	220-240V	IP65	43808
2 x 58	NL MARINER MASP258H LL 230 GE	2 x 58W T8 LFL	No	9	Magnetic	No	1	Grey	230V	IP65	43803
2 x 58	NL MARINER MASP258HAL LL 230 GE	2 x 58W T8 LFL	No	9	Magnetic	No	1	Grey	230V	IP65	43807
2 x 58	NL MARINER MASP 258 EES LL 230 GE	2 x 58W T8 LFL	No	9	Magnetic	For 1 hour	1	Grey	230V	IP65	43809
2 x 58	NL MARINER MASP258ALEB LL 230 GE	2 x 58W T8 LFL	No	9	Electronic	No	1	Grey	220-240V	IP65	43813
2 x 58	NL MARINER MASP258ALEEES LL 230 GE	2 x 58W T8 LFL	No	9	Magnetic	For 1 hour	1	Grey	230V	IP65	43815
1 x 80	NL MARINER MASP180T5EB CWL GE	1 x 80W T5 LFL	Yes	9	Electronic	No	1	Grey	220-240V	IP65	44204
2 x 80	NL MARINER MASP280T5EB CWL GE	2 x 80W T5 LFL	Yes	9	Electronic	No	1	Grey	220-240V	IP65	44205

MASP Accessories

Product code	Picture	Description	1 x 35 44209	2 x 35 44210	1 x 49 44207	2 x 49 44208 75073	1 x 58 43810 43802 43804 43811 43812 43814	2 x 58 43808 43803 43807 43809 43813 43815	1 x 80 44204	2 x 80 44205
44124		Rapid connection kit for suspended fixing - Spare part NL RAPIDKIT BAG 2PCS GE	•	•	•	•	•	•	•	•
44120		Connection kit for suspended fixing - Spare part NL MARINER ACCESSORIES BAG GE	•	•	•	•	•	•	•	•
44123		Plastic clip - Spare part NL MARINER CLIPS BAG 58W GE					•	•		
44174		Metal clip - Spare part NL MARINER SAC GAN INOX MAS/MAXP GE	•	•	•	•	•	•	•	•
44175		Diffuser - Spare part NL MARINER MASP58DIFFUSER GE					•	•		

Mariner MAX



STAINLESS STEEL | IP65 | IP65 | IK09 | 5.87-9 KG | F

Surface mounted waterproof fittings for T5 and T8 fluorescent lamps. MAX provides protection against contamination from water and accidental abuse. Particularly suitable for a damp environment.

Structures and materials

- **Body:** Drawn stainless steel with high mechanical resistance.
- **Reflector:** Steel sheet mirror-finished, highly reflective aluminium (AL). Used to support ballast wire.
- **Lens:**

  Max/V: 4mm tempered glass for high chemical/mechanical resistance. Stainless steel frame.

  Max/P: robust matt finish polycarbonate; UV stabilized, anti-yellowing, injection-moulded, and perfectly smooth for best downlight results and easy cleaning.
- **Clips:** Interconnected stainless-steel joints.

Electrical and gear compartment

- **Magnetic ballast:** low-loss 230V 50Hz with fireproof wires. HPF ballast with incorporated discharge resistance capacitor, 3 pole connector with fuse, screw terminals for conductors up to 2.5mm^2.
- **Electronic ballast:** 220-240V 50-60Hz warm start, 3 pole connector with fuse, screw terminals for conductors up to 2.5mm^2.

Installation methods

- The luminaire is supplied with tear-proof cable gland for 6-12mm diameter wires. RAPIDKIT for surface mounting must be ordered separately. Suspension mounting with supplied hanging hooks. Surface mounting with NAL channel with RAPIDKIT.

Maintenance

- Replace light source by removing diffuser.

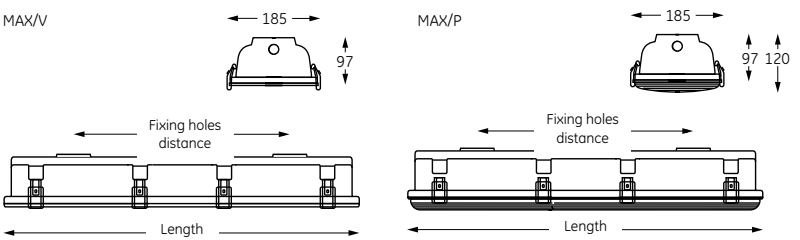
Accessories

- Further accessories are available such as diffusers and metal-plastic clips.

Lamp

- MAX T5 complete with GE T5 lamps. MAX T8 luminaire is supplied without lamp. More details can be found under the product list.

Dimensions [mm]

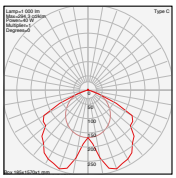


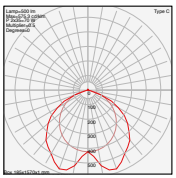
Type	Length (mm)	Fixing holes distance (mm)
MARINER MAX T5		
MAX 135/49/80	1570	1200
MAX 235/49/80	1570	1200
MARINER MAX T8		
MAX 158	1570	1200
MAX 258	1570	1200

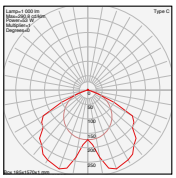
Surface mounted

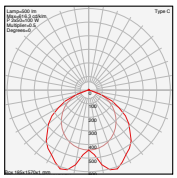
Retail Industrial Car Park

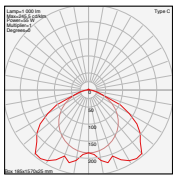
Photometric data

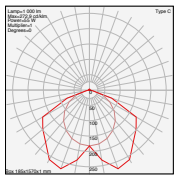

MAX 1 x 35W T5 LFL
(44201)

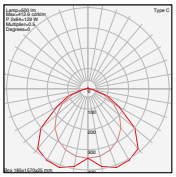

MAX 2 x 35W T5 LFL
(44202)

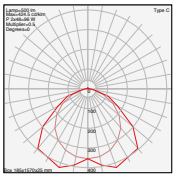

MAX 1 x 49W T5 LFL
(44199)

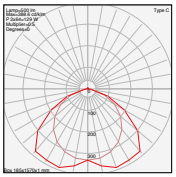

MAX 2 x 49W T5 LFL
(44200)

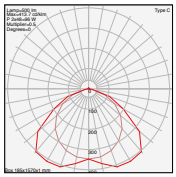

MAX 1 x 58W T8 LFL
(43822)

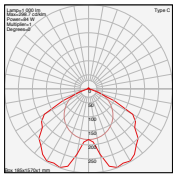

MAX 1 x 58W T8 LFL
(43827)

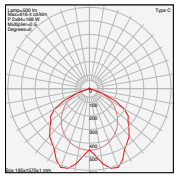

MAX 2 x 58W T8 LFL
(43821)


MAX 2 x 58W T8 LFL
(43823)


MAX 2 x 58W T8 LFL
(43825)


MAX 2 x 58W T8 LFL
(43830)


MAX 1 x 80W T5 LFL
(44197)


MAX 2 x 80W T5 LFL
(44198)

MAX Specification

Mounting type	Surface Fixed / Suspended
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

MAX product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Ballast	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 35	NL MARINER MAX135T5EB CWL GE	1 x 35W T5 LFL	Yes	9	Electronic	No	1	Metal	220-240V	IP65	44201
2 x 35	NL MARINER MAX235T5EB CWL GE	2 x 35W T5 LFL	Yes	9	Electronic	No	1	Metal	220-240V	IP65	44202
1 x 49	NL MARINER MAX149T5EB CWL GE	1 x 49W T5 LFL	Yes	9	Electronic	No	1	Metal	220-240V	IP65	44199
2 x 49	NL MARINER MAX249T5EB CWL GE	2 x 49W T5 LFL	Yes	9	Electronic	No	1	Metal	220-240V	IP65	44200
1 x 58	NL MARINER MAXP158EB LL 230 GE	1 x 58W T8 LFL	No	9	Electronic	No	1	Metal	220-240V	IP65	43822
1 x 58	NL MARINER MAXV158EB LL 230 GE	1 x 58W T8 LFL	No	6.56	Electronic	No	1	Metal	220-240V	IP65	43827
1 x 58	NL MARINER MAXP158H LL 230 GE	1 x 58W T8 LFL	No	9	Magnetic	No	1	Metal	230V	IP65	43820
1 x 58	NL MARINER MAXV158H LL 230 GE	1 x 58W T8 LFL	No	9	Magnetic	No	1	Metal	230V	IP65	43824
1 x 58	NL MARINER MAXV158HEES LL 230 GE	1 x 58W T8 LFL	No	9	Magnetic	For 1 hour	1	Metal	230V	IP65	43831
2 x 58	NL MARINER MAXP258H LL 230 GE	2 x 58W T8 LFL	No	9	Magnetic	No	1	Metal	230V	IP65	43821
2 x 58	NL MARINER MAXP258EB LL 230 GE	2 x 58W T8 LFL	No	9	Electronic	No	1	Metal	220-240V	IP65	43823
2 x 58	NL MARINER MAXV258H LL 230 GE	2 x 58W T8 LFL	No	8.4	Magnetic	No	1	Metal	230V	IP65	43825
2 x 58	NL MARINER MAXV258EB LL 230 GE	2 x 58W T8 LFL	No	5.87	Electronic	No	1	Metal	220-240V	IP65	43830
2 x 58	NL MARINER MAXV258HEES LL 230 GE	2 x 58W T8 LFL	No	9	Magnetic	For 1 hour	1	Metal	230V	IP65	43832
1 x 80	NL MARINER MAX180T5EB CWL GE	1 x 80W T5 LFL	Yes	9	Electronic	No	1	Metal	220-240V	IP65	44197
2 x 80	NL MARINER MAX280T5EB CWL GE	2 x 80W T5 LFL	Yes	9	Electronic	No	1	Metal	220-240V	IP65	44198

MAX Accessories

Product code	Picture	Description	MAXV 43827 43824 43831 43825 43830 43832	MAXP 43822 43820 43821 43823	MAX 44197 44198 44199 44200 44201 44202	58W 43822 43827 43820 43824 43831 43821 43823 43825 43830 43832
44115		Glass diffuser NL MARINER MAXV GLASS SPARE GE	•	•	•	•
44125		Metal clip NL MAX STAINLESS STEEL CLIPS BAG GE	•			
44174		Metal clip NL MARINER SAC GAN INOX MAS/MAXP GE		•		
44175		Diffuser NL MARINER MASP58DIFFUSER GE				•

Mariner MAC



IP65 | IP65 | IK06 | 1.5-4.4 KG | F

Waterproof luminaires designed for T8 fluorescent lamps and surface mounted or suspeneded applications. Particularly suitable for damp environments, including environments with a high level of dust. MAC provides complete protection against contamination from water and accidental abuse. Best for humid and/or dusty environments.

Structures and materials

- **Body:** Polycarbonate reinforced, fibreglass.
- **Lamps Holder:** Self-extinguishing polycarbonate for T8 fluorescent lamps. Ring nuts and gaskets included.
- **Reflectors:** Lamp reflector is to be snapped to the ballast cover. Ring nuts and gaskets included.
- MAC/R: the reflector provides concentrated intense lighting in high-ceiling environments. Good for localized lighting.
- MAC/R AL: mirror-finish reflector attached to fitting by stainless steel springs (included).

Electrical and gear compartment

- **Magnetic ballast:** low-loss 230V 50Hz with fireproof wires. HPF ballast with incorporated discharge resistance capacitor, 3 pole connector with fuse, screw terminals for conductors up to 2.5mm².
- **Electronic ballast:** 220-240V 50-60Hz warm start, 3 pole connector with fuse, screw terminals for conductors up to 2.5mm².

Installation methods

1 Surface mounting with supplied gaskets or RAPIDKIT (not supplied) for fast installation.

2 Suspension mounting including two suspension hangers (supplied).

3 NAL channel with NAL 1023 (not supplied) and RAPIDKIT (not supplied).

Maintenance

- Replace light source by removing diffuser.

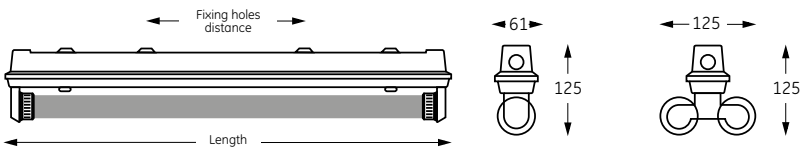
Accessories

- More accessories are available (diffusers, metal-plastic clips and connection kits for surface/suspended fixing).

Lamp

- Luminaire is supplied without lamp. lamp. More details can be found under the product list.

Dimensions [mm]

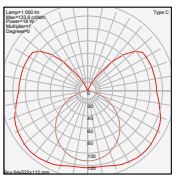


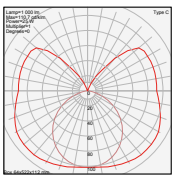
Type	Length L (mm)	Fixing hole D (mm)
18W		
MAC 1x18W	645	500
MAC 2x18W	645	500
36W		
MAC 1x36W	1265	800
MAC 2x36W	1265	800
58W		
MAC 1x58W	1565	1200
MAC 2x58W	1565	1200

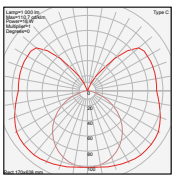
Surface mounted

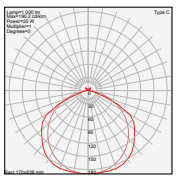
Retail Industrial Car Park

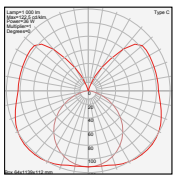
Photometric data

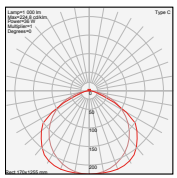

MAC 1 x 18W T8 LFL (43734)

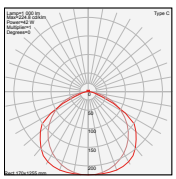

MAC 1 x 18W T8 LFL (43735)

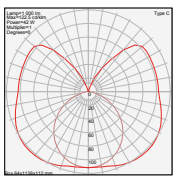

MAC 1 x 18W T8 LFL (43735) + Reflector (44096)

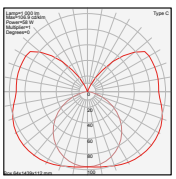

MAC 1 x 18W T8 LFL (43735) + Reflector (44096)

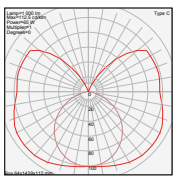

MAC 1 x 36W T8 LFL (43736)

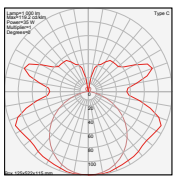

MAC 1 x 36W T8 LFL (43736) + Reflector (44112)

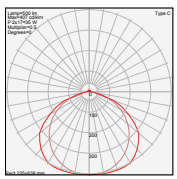

MAC 1 x 36W T8 LFL (43736) + Reflector (44112)

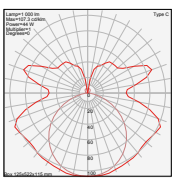

MAC 1 x 36W T8 LFL (43738)

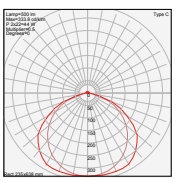

MAC 1 x 58W T8 LFL (43740)

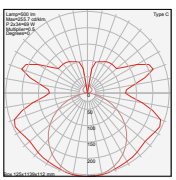

MAC 1 x 58W T8 LFL (43742)

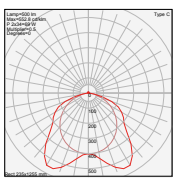

MAC 2 x 18W T8 LFL (43744)

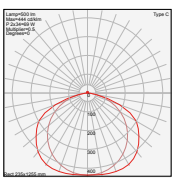

MAC 2 x 18W T8 LFL (43744) + Reflector (44103)

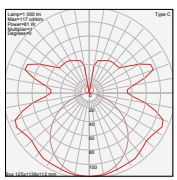

MAC 2 x 18W T8 LFL (43745)

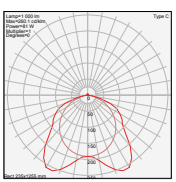

MAC 2 x 18W T8 LFL (43745) + Reflector (44103)

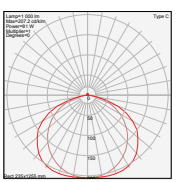

MAC 2 x 36W T8 LFL (43746)

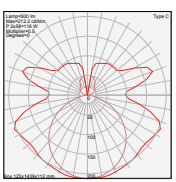

MAC 2 x 36W T8 LFL (43746) + Aluminium Reflector (44101)

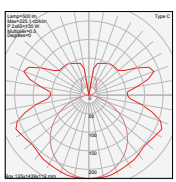

MAC 2 x 36W T8 LFL (43746) + Reflector (44113)


MAC 2 x 36W T8 LFL (43748)


MAC 2 x 36W T8 LFL (43748) + Aluminium Reflector (44101)


MAC 2 x 36W T8 LFL (43748) + Reflector (44113)


MAC 2 x 58W T8 LFL (43749)


MAC 2 x 58W T8 LFL (43750)

MAC product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Ballast	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 18	NL MAC MAC118EB LL 230 GE	1 x 18W T8 LFL	No	1.5	High Frequency Electronic	No	1	Grey	220-240V	IP65	43734
1 x 18	NL MAC MAC118H LL 230 GE	1 x 18W T8 LFL	No	1.53	Magnetic	No	1	Grey	230V	IP65	43735
1 x 36	NL MAC MAC136EB LL 230 GE	1 x 36W T8 LFL	No	1.78	High Frequency Electronic	No	1	Grey	220-240V	IP65	43736
1 x 36	NL MAC MAC136H LL 230 GE	1 x 36W T8 LFL	No	2.28	Magnetic	No	1	Grey	230V	IP65	43738
1 x 36	NL MAC MAC136HEES LL 230 GE	1 x 36W T8 LFL	No	2.26	Magnetic	For 1 hour	1	Grey	230V	IP65	43739
1 x 58	NL MAC MAC158EB LL 230 GE	1 x 58W T8 LFL	No	2.9	High Frequency Electronic	No	1	Grey	220-240V	IP65	43740
1 x 58	NL MAC MAC158H LL 230 GE	1 x 58W T8 LFL	No	2.85	Magnetic	No	1	Grey	230V	IP65	43742
1 x 58	NL MAC MAC158HEES LL 230 GE	1 x 58W T8 LFL	No	2.9	Magnetic	For 1 hour	1	Grey	230V	IP65	43743
2 x 18	NL MAC MAC218EB LL 230 GE	2 x 18W T8 LFL	No	1.76	High Frequency Electronic	No	1	Grey	220-240V	IP65	43744
2 x 18	NL MAC MAC218H LL 230 GE	2 x 18W T8 LFL	No	1.8	Magnetic	No	1	Grey	230V	IP65	43745
2 x 36	NL MAC MAC236EB LL 230 GE	2 x 36W T8 LFL	No	2.07	High Frequency Electronic	No	1	Grey	220-240V	IP65	43746
2 x 36	NL MAC MAC236EBEES LL 230 GE	2 x 36W T8 LFL	No	3.2	High Frequency Electronic	For 3 hours	1	Grey	220-240V	IP65	43747
2 x 36	NL MAC MAC236H LL 230 GE	2 x 36W T8 LFL	No	3.25	Magnetic	No	1	Grey	230V	IP65	43748
2 x 58	NL MAC MAC258EB LL 230 GE	2 x 58W T8 LFL	No	4.4	High Frequency Electronic	No	1	Grey	220-240V	IP65	43749
2 x 58	NL MAC MAC258H LL 230 GE	2 x 58W T8 LFL	No	4.05	Magnetic	No	1	Grey	230V	IP65	43750
2 x 58	NL MAC MAC258HEES LL 230 GE	2 x 58W T8 LFL	No	4.4	Magnetic	For 1 hour	1	Grey	230V	IP65	43751

MAC Specification

Mounting type	Surface fix / Suspended
Reflector	as accessories
Class	Class 2
Operating Temperature [°C]	25

MAC Accessories

Product code	Picture	Description	1 x 18 43734 43735	2 x 18 43744 43745	1 x 36 43736 43738 43739	2 x 36 43746 43747 43748	1 x 58 43740 43742 43743	2 x 58 43749 43750 43751
44096		Reflector NL MAC MACR2 REFLECTOR GE	•					
44097		Aluminium Reflector NL MAC MACR2AL REFLECTOR GE	•					
44098		Aluminium Reflector NL MAC MACR4AL REFLECTOR GE			•			
44099		Aluminium Reflector NL MAC MACR5AL REFLECTOR GE					•	
44100		Aluminium Reflector NL MAC MACR22AL REFLECTOR GE		•				
44101		Aluminium Reflector NL MAC MACR24AL REFLECTOR GE				•		
44102		Aluminium Reflector NL MAC MACR25AL REFLECTOR GE						•
44103		Reflector NL MAC MACR22 REFLECTOR GE		•				
44105		Connection kit for suspended fixing NL MAC ACCESSORIES BAG GE	•	•	•	•	•	•
44107		Guard tube NL MAC MACTP2 T8 PC TUBE GE	•	•				
44108		Guard tube NL MAC MACTP4 T8 PC TUBE GE			•	•		
44110		Guard tube NL MAC MACTP5 T8 PC TUBE GE					•	•
44111		Reflector NL MAC MACR5 REFLECTOR GE					•	
44112		Reflector NL MAC MACR4 REFLECTOR GE			•			
44113		Reflector NL MAC MACR24 REFLECTOR GE				•		
44114		Reflector NL MAC MACR25 REFLECTOR GE						•

MiniStylo



DIFFUSER CLEAR | BODY WHITE | IP40 | IP40 | IK04 | 0.299-0.56 KG | F

Ideal for domestic and retail applications, this is suitable for lighting under counters, kitchen, shelves, display cabinets, furniture cabinets and mobile homes. Mini Stylo is designed for confined spaces where size matters. Cost effective and energy efficient, Mini Stylo is an ultra slim and versatile luminaire solution.

Structures and materials

- **Body:** White painted extruded aluminium.
- **Colour:** White.
- **Diffuser:** Polycarbonate UV resistant clear diffuser.
- **End cap:** White polycarbonate end caps and lamp holders.

Electrical and gear compartment

- 220-240V electronic ballast.

Installation

- Suitable for surface vertical or horizontal mounting surface for interior use. The body is fixed onto the mounting surface via adjustable plastic rapid kit (horizontal or vertical). The main connection is via a domestic plug socket or connecting block.

Maintenance

- Replace light source by removing diffuser.

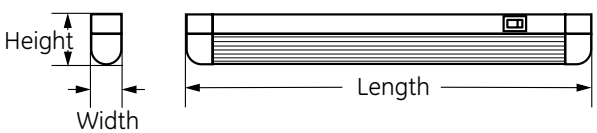
Accessories

- Accessories are not available.

Lamp

- Luminaire is supplied with a GE T5 4000K lamp.

Dimensions [mm]



Type	Dimension (mm) Length	Width	Height
8W	342	22	42
14W	602	22	42
28W	1202	22	42

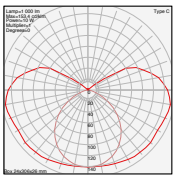
MiniStylo Specification

Mounting type	Surface
Reflector	Diffuser
Class	Class 2
Operating Temperature [°C]	25

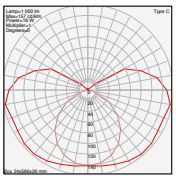
Surface and wall mounted

Retail Hospitality Home

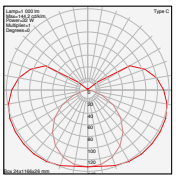
Photometric data



MINISTYLO 1 x 8W T5 LFL
(88759)



MINISTYLO 1 x 14W T5 LFL
(88760)



MINISTYLO 1 x 28W T5 LFL
(88761)

MiniStylo product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 8	OL MINISTYLO MSTY108 T5 840 230V GE	1 x 8W T5 LFL	Yes	0.299	Electronic	No	6	White	220-240V	IP40	88759
1 x 14	OL MINISTYLO MSTY114 T5 840 230V GE	1 x 14W T5 LFL	Yes	0.342	Electronic	No	6	White	220-240V	IP40	88760
1 x 28	OL MINISTYLO MSTY128 T5 840 230V GE	1 x 28W T5 LFL	Yes	0.56	Electronic	No	6	White	220-240V	IP40	88761

Stylo



DIFFUSER PRISMATIC TRANSPARENT | BODY WHITE | IP40 | IP40 | IK02 | 0.66-2.9 KG | F

Wall & ceiling luminaire. Ideal for domestic and professional applications, hotels such as hotels. The small fluorescent fittings are also suitable for lighting kitchens, under-counters, shelves, bookcases and display cabinets. All models have a diffuser and switch.

Structures and materials

- **Body:** Cold-rolled, phosphate white epoxy polyester powder coated steel sheet (thickness: 5/10mm). The cover snaps to the body.
- **Diffuser:** Impact-resistant polycarbonate with transparent, longitudinal prismatic internal finish. It snaps to the cover.
- **Lamp holder end caps and end-caps cover:** Impact-resistant polycarbonate; caps are snapped to the body.

Electrical and gear compartment

- 220-240V electronic ballast and 230V magnetic ballasts, see more details under product list section.

Installation

- Suitable for vertical or horizontal mounting surface for interior use. The body is fixed onto the mounting surface via an adjustable plastic rapid kit (horizontal or vertical). The main connection is via the domestic plug socket or connecting block.

Maintenance

- Replace light source by removing diffuser.

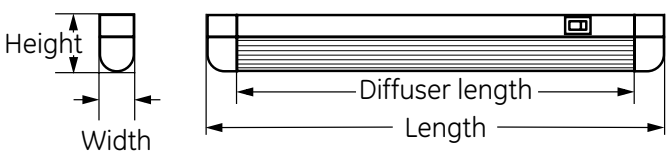
Accessories

- Accessories are not available.

Lamp

- Luminaire is supplied with a GE T5 4000K lamp.

Dimensions [mm]



	Dimensions (mm)			
Type	Length	Width	Diffuser length	Height
8W	336	37	320	54
13W	563	37	550	54
15W	485	37	330	64
18W	637	37	475	64
30W	942	37	500	64
36W	1246	37	800	64
58W	1546	37	800	64

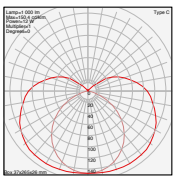
Stylo Specification

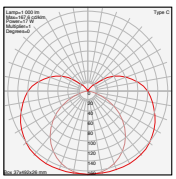
Mounting type	Surface
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

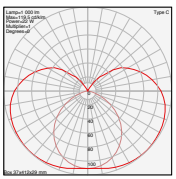
Surface and wall mounted

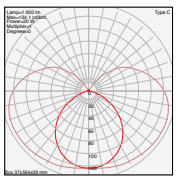
Retail Hospitality Home

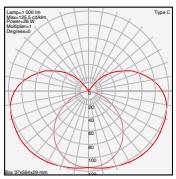
Photometric data

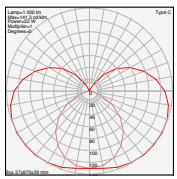

STYLO 1 x 8W T5 LFL
(43527)

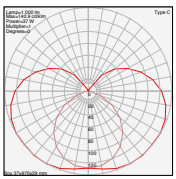

STYLO 1 x 13W T5 LFL
(43531)

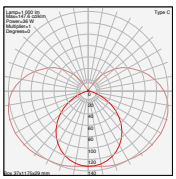

STYLO 1 x 15W T8 LFL
(43534)

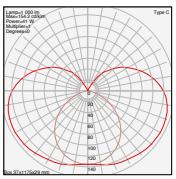

STYLO 1 x 18W T8 LFL
(43541)

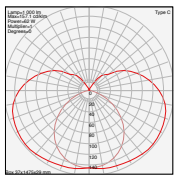

STYLO 1 x 18W T8 LFL
(43546)

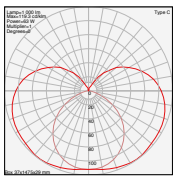

STYLO 1 x 30W T8 LFL
(43551)


STYLO 1 x 30W T8 LFL
(43554)


STYLO 1 x 36W T8 LFL
(43558)


STYLO 1 x 36W T8 LFL
(43563)


STYLO 1 x 58W T8 LFL
(43578)


STYLO 1 x 58W T8 LFL
(43582)

Stylo product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 8	NL STYLO STY108WH 33 230 GE	1 x 8W T5 LFL	Yes	0.66	Magnetic	No	6	White	230V	IP40	43527
1 x 13	NL STYLO STY113WHL 33 230 GE	1 x 13W T5 LFL	Yes	0.85	Magnetic	No	6	White	230V	IP40	43531
1 x 15	NL STYLO STY115WHL 33 230 GE	1 x 15W T8 LFL	Yes	1.09	Magnetic	No	6	White	230V	IP40	43534
1 x 18	NL STYLO STY118WHEB CWL 833 230 GE	1 x 18W T8 LFL	Yes	1.3	Electronic	No	6	White	220-240V	IP40	43541
1 x 18	NL STYLO STY118WHH 33 230V GE	1 x 18W T8 LFL	Yes	1.3	Magnetic	No	6	White	230V	IP40	43545
1 x 18	NL STYLO STY118WHL 33 230 GE	1 x 18W T8 LFL	Yes	1.3	Magnetic	No	6	White	230V	IP40	43546
1 x 30	NL STYLO STY130WHEB CWL 835 230 GE	1 x 30W T8 LFL	Yes	1.6	Electronic	No	6	White	220-240V	IP40	43551
1 x 30	NL STYLO STY130WHL 33 230 GE	1 x 30W T8 LFL	Yes	1.59	Magnetic	No	6	White	230V	IP40	43554
1 x 36	NL STYLO STY136WHEB CWL 835 230 GE	1 x 36W T8 LFL	Yes	1.31	Electronic	No	6	White	220-240V	IP40	43558
1 x 36	NL STYLO STY136WHH 33 230V GE	1 x 36W T8 LFL	Yes	1.925	Magnetic	No	6	White	230V	IP40	43560
1 x 36	NL STYLO STY136WHL 33 230 GE	1 x 36W T8 LFL	Yes	1.87	Magnetic	No	6	White	230V	IP40	43563
1 x 58	NL STYLO STY158WHEB CWL 835 230 GE	1 x 58W T8 LFL	Yes	2.07	Electronic	No	6	White	220-240V	IP40	43578
1 x 58	NL STYLO STY158WHH 33 230 GE	1 x 58W T8 LFL	Yes	2.9	Magnetic	No	6	White	230V	IP40	43582

EuroStylo



DIFFUSER PRISMATIC TRANSPARENT | BODY WHITE | IP40 | IP40 | IK02 | 0.7-2.07 KG | F

EuroStylo are small fluorescent fittings for lighting under counters, kitchens, shelves, bookcases, display cabinets. All models have diffuser and switch. 7 different lengths and wattages available.

Structures and materials

- **Body:** Cold-rolled, phosphate white or black epoxy polyester powder coated steel sheet. The cover snaps to the body. Colour: White.
- **Diffuser**: Impact-resistant polycarbonate with transparent, longitudinal prismatic internal finish.
- **Reflector:** Metal reflector. High reflectance, electric-coated, white, sheet metal.

Electrical and gear compartment

- 220-240V electronic ballast and 230V magnetic ballasts, see more details under product list section.

Installation

- Suitable for surface vertical or horizontal mounting surface for interior use. The body is fixed onto the mounting surface via adjustable plastic rapid kit (horizontal or vertical). Main connection via domestic plug socket or connecting block.

Maintenance

- Replace light source by removing diffuser.

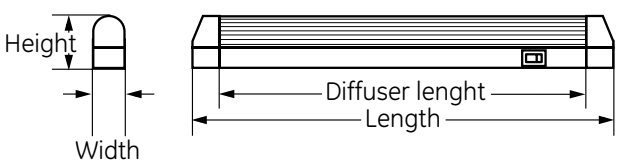
Accessories

- Accessories are not available.

Lamp

- Luminaires completed with GE T5 and T8 lamp, see more information under product list section.

Dimensions [mm]



	Dimension (mm)			
Type	Length	Width	Diffuser length	Height
8W	336	37	320	54
13W	563	37	550	54
15W	485	37	330	64
18W	637	37	475	64
30W	942	37	500	64
36W	1246	37	800	64
58W	1546	37	800	64

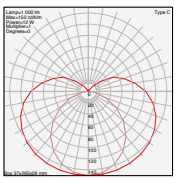
EuroStylo Specification

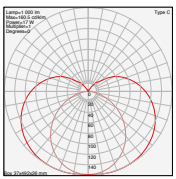
Mounting type	Surface
Reflector	Diffuser
Class	Class 1
Operating Temperature [°C]	25

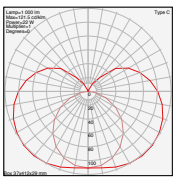
Surface and wall mounted

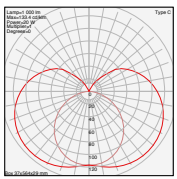
Retail Hospitality Home

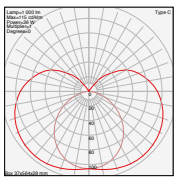
Photometric data

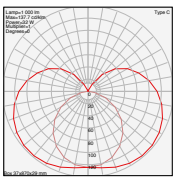

EUROSTYLO 1 x 8W T5 LFL
(43388)

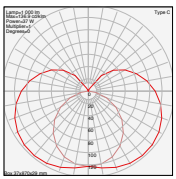

EUROSTYLO 1 x 13W T5 LFL
(43402)

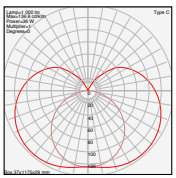

EUROSTYLO 1 x 15W T8 LFL
(43405)

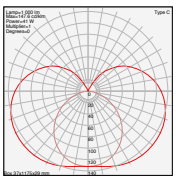

EUROSTYLO 1 x 18W T8 LFL
(43408)

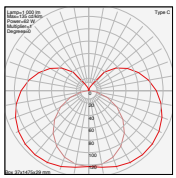

EUROSTYLO 1 x 18W T8 LFL
(43411)

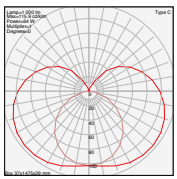

EUROSTYLO 1 x 30W T8 LFL
(43416)


EUROSTYLO 1 x 30W T8 LFL
(43419)


EUROSTYLO 1 x 36W T8 LFL
(43421)


EUROSTYLO 1 x 36W T8 LFL
(43422)


EUROSTYLO 1 x 58W T8 LFL
(43426)


EUROSTYLO 1 x 58W T8 LFL
(43427)

EuroStylo product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 8	NL EUROSTYLO EST108WHL 827 230V GE	1 x 8W T5 LFL	Yes	0.7	Magnetic	No	6	White	230V	IP40	43388
1 X 13	NL EUROSTYLO EST113WHL 827 230V GE	1 x 13W T5 LFL	Yes	0.9	Magnetic	No	6	White	230V	IP40	43402
1 x 15	NL EUROSTYLO EST115WHL 830 230V GE	1 x 15W T8 LFL	Yes	1.1	Magnetic	No	6	White	230V	IP40	43405
1 x 18	NL EUROSTYLO EST118WHEB 230 GE	1 x 18W T8 LFL	Yes	1.3	Electronic	No	6	White	220-240V	IP40	43408
1 x 18	NL EUROSTYLO EST118WHL 830 230V GE	1 x 18W T8 LFL	Yes	1.3	Magnetic	No	6	White	230V	IP40	43411
1 x 18	NL EUROSTYLO EST118WHL 835 230V GE	1 x 18W T8 LFL	Yes	1.3	Magnetic	No	6	White	230V	IP40	43412
1 x 30	NL EUROSTYLO EST130WH 830 230V GE	1 x 30W T8 LFL	Yes	1.6	Magnetic	No	6	White	230V	IP40	43414
1 x 30	NL EUROSTYLO EST130WHEB 230 GE	1 x 30W T8 LFL	Yes	1.6	Electronic	No	6	White	220-240V	IP40	43416
1 x 30	NL EUROSTYLO EST130WHL 830 230V GE	1 x 30W T8 LFL	Yes	1.6	Magnetic	No	6	White	230V	IP40	43419
1 x 36	NL EUROSTYLO EST136WHEB 230 GE	1 x 36W T8 LFL	Yes	1.87	Electronic	No	6	White	220-240V	IP40	43421
1 x 36	NL EUROSTYLO EST136WHL 830 230V GE	1 x 36W T8 LFL	Yes	1.9	Magnetic	No	6	White	230V	IP40	43422
1 x 36	NL EUROSTYLO EST136WHL 835 230V GE	1 x 36W T8 LFL	Yes	1.87	Magnetic	No	6	White	230V	IP40	43424
1 x 58	NL EUROSTYLO EST158WHEB 835 230 GE	1 x 58W T8 LFL	Yes	2.07	Magnetic	No	6	White	230V	IP40	43426
1 x 58	NL EUROSTYLO EST158WHL 830 230V GE	1 x 58W T8 LFL	Yes	2.07	Magnetic	No	6	White	230V	IP40	43427
1 x 58	NL EUROSTYLO EST158WHL 835 230V GE	1 x 58W T8 LFL	Yes	2.07	Magnetic	No	6	White	230V	IP40	43428

Flat



DIFFUSER PRISMATIC TRANSPARENT | BODY WHITE | IP40 | IP40 | IK04 | 0.64-0.88 KG | F

Shallow housing ideal for lighting under-counters, kitchens, shelves, bookcases, display cabinets, etc. Fittings with 8W and 13W fluorescent fittings. Extremely slim.

Structures and materials

- **Body:** Cold-rolled, phosphate white epoxy polyester powder coated steel sheet.
- **Diffuser:** Polycarbonate; longitudinal prismatic internal finish. Snaps to the body.

Electrical and gear compartment

- 220-240V electronic ballast and 230V magnetic ballasts, see more details under product list section.

Installation

- Suitable for vertical or horizontal surface mounting for interior use. The body is fixed onto the mounting surface via an adjustable plastic rapid kit (horizontal or vertical). Main connection via domestic plug socket or connecting block.

Maintenance

- Replace light source by removing diffuser.

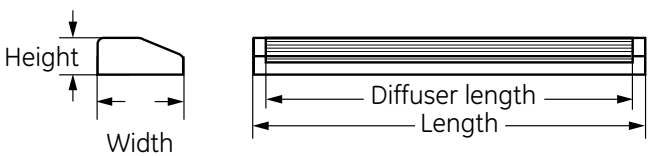
Accessories

- Spare part diffusers are available.

Lamp

- Luminaires completed with GE T5 4000K lamp.

Dimensions [mm]



	Dimension (mm)			
Type	**Length**	**Width**	**Diffuser length**	**Height**
8W	324	70	260	32
13W	552	70	450	32

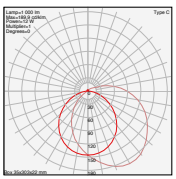
Flat Specification

Mounting type	Surface
Reflector	Diffuser
Class	Class 2
Operating Temperature [°C]	25

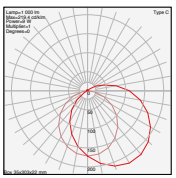
Surface and wall mounted

Retail Hospitality Home

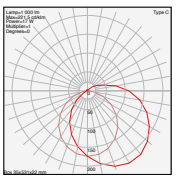
Photometric data



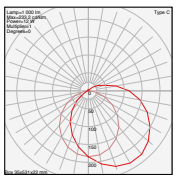
FLAT 1 x 8W T5 LFL
(44186)



FLAT 1 x 8W T5 LFL
(44271)



FLAT 1 x 13W T5 LFL
(44188)



FLAT 1 x 13W T5 LFL
(44272)

Flat product list

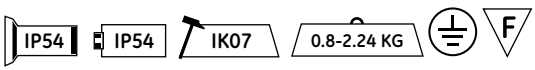
Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 X 8	NL FLAT FLAT108 230 GE	1 x 8W T5 LFL	Yes	0.64	Magnetic	No	6	White	230V	IP40	44186
1 X 8	NL FLAT FLAT108EBL 33 230V GE	1 x 8W T5 LFL	Yes	0.64	High Frequency Electronic	No	6	White	220-240V	IP40	44271
1 X 13	NL FLAT FLAT113 230 GE	1 x 13W T5 LFL	Yes	0.88	Magnetic	No	6	White	230V	IP40	44188
1 X 13	NL FLAT FLAT113EBL 33 230V GE	1 x 13W T5 LFL	Yes	0.64	High Frequency Electronic	No	6	White	220-240V	IP40	44272

Flat Accessories

Product code	Picture	Description	8W 44186 44257 44271	13W 44188 44272
44257		Diffuser - Spare part NL FLAT DIFFUSER 8W GE	•	
44258		Diffuser - Spare part NL FLAT DIFFUSER 13W GE		•

Brio





BRIO is a unique collection of contemporary luminaire ranges, including wall and ceiling mounted versions offering an ideal combination of high performance and a distinctive aesthetic.

Structures and materials

- **Body:** Impact-resistant, self-extinguishing polycarbonate.
- **Colour:** White, black.

Optics

- **Diffuser:** Metacrylate, transparent or opal.
- **Reflector:** High-reflective, impact-resistant, self-extinguishing material.

Electrical and gear compartment

- **Magnetic ballast:** low loss 230V 50Hz
- **Electronic ballast:** 220-240V 50/60Hz with 2.5mm2 clamp screws wiring connectors.

Maintenance

- Replace light source by removing diffuser.

Accessories

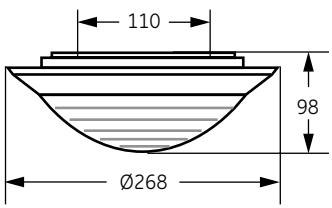
- Diffusers and rings are available as spare parts.
- Luminaires are completed with diffuser and ring.

Lamp

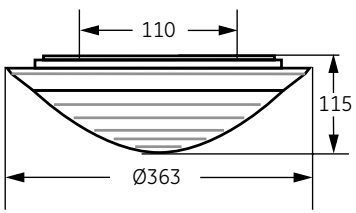
- Luminaire is supplied with 3500K 2D lamp.

Dimensions [mm]

16W-21W



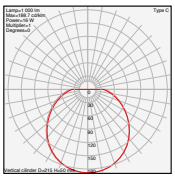
28W-38W

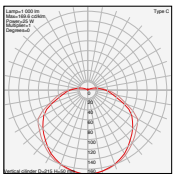


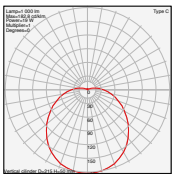
Wall mounted

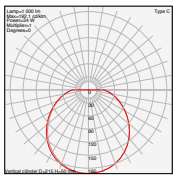
Home Healthcare Office Retail Education

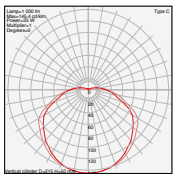
Photometric data

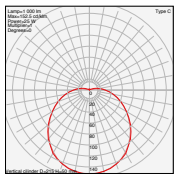

2D BRIO 1 x 16W 2D CFL
(78334)

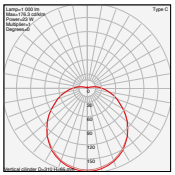

2D BRIO 1 x 16W 2D CFL
(43139)

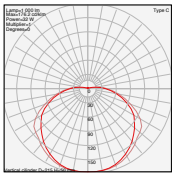

2D BRIO 1 x 16W 2D CFL
(43155)

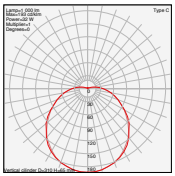

2D BRIO 1 x 21W 2D CFL
(77357)

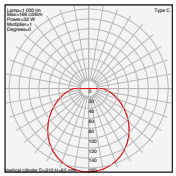

2D BRIO 1 x 21W 2D CFL
(43142)

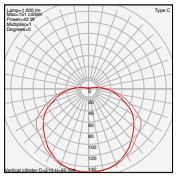

2D BRIO 1 x 21W 2D CFL
(43162)

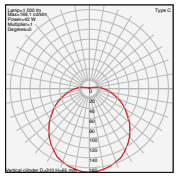

2D BRIO 1 x 28W 2D CFL
(77355)


2D BRIO 1 x 28W 2D CFL
(43146)


2D BRIO 1 x 28W 2D CFL
(43172)


2D BRIO 1 x 38W 2D CFL
(77356)


2D BRIO 1 x 38W 2D CFL
(43149)


2D BRIO 1 x 38W 2D CFL
(43177)

Brio Specification

Mounting type	Surface fixed / wall mounting
Reflector	Diffuser
Class	Class 2
Operating Temperature [°C]	25

Brio product list

Wattage	Description	Lamp qty & type	Lamp included	Weight (kg)	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 16	NL BRIO 2DBRO16WH EB 835 220-240V GE	1 x 16W 2D CFL	Yes	0.8	High Frequency Electronic	No	6	White	220-240V	IP54	78334
1 x 16	NL BRIO 2DBRO16WHLEES 835 220 GE	1 x 16W 2D CFL	Yes	2.1	Magnetic	For 1 hour	6	White	220V	IP54	88153
1 x 16	NL BRIO 2DBR16WHL 835 230 GE	1 x 16W 2D CFL	Yes	1.16	Magnetic	No	6	White	230V	IP54	43139
1 x 16	NL BRIO 2DBR16WHLEES 835 230 GE	1 x 16W 2D CFL	Yes	1.45	Magnetic	For 1 hour	6	White	230V	IP54	43140
1 x 16	NL BRIO 2DBRO16WHL 835 230 GE	1 x 16W 2D CFL	Yes	1.15	Magnetic	No	6	White	230V	IP54	43155
1 x 21	NL BRIO 2DBRO21WH EB 835 220-240V GE	1 x 21W 2D CFL	Yes	0.8	High Frequency Electronic	No	6	White	220-240V	IP54	77357
1 x 21	NL BRIO 2DBR21WHL 835 230 GE	1 x 21W 2D CFL	Yes	1.16	Magnetic	No	6	White	230V	IP54	43142
1 x 21	NL BRIO 2DBRO21WHL 835 230V GE	1 x 21W 2D CFL	Yes	1.16	Magnetic	No	6	White	230V	IP54	43162
1 x 28	NL BRIO 2DBRO28WH EB 835 220-240V GE	1 x 28W 2D CFL	Yes	1.4	High Frequency Electronic	No	4	White	220-240V	IP54	77355
1 x 28	NL BRIO 2DBR28WHL 835 230 GE	1 x 28W 2D CFL	Yes	1.81	Magnetic	No	4	White	230V	IP54	43146
1 x 28	NL BRIO 2DBR28WHLEES 835 220V GE	1 x 28W 2D CFL	Yes	2.24	Magnetic	For 1 hour	4	White	220V	IP54	43147
1 x 28	NL BRIO 2DBRO28WHL 835 230 GE	1 x 28W 2D CFL	Yes	1.81	Magnetic	No	4	White	230V	IP54	43172
1 x 38	NL BRIO 2DBRO38WH EB 835 220-240V GE	1 x 38W 2D CFL	Yes	1.4	High Frequency Electronic	No	4	White	220-240V	IP54	77356
1 x 38	NL BRIO 2DBR38WHL 835 220 GE	1 x 38W 2D CFL	Yes	1.81	Magnetic	No	4	White	220V	IP54	43149
1 x 38	NL BRIO 2DBRO38WHL 835 230V GE	1 x 38W 2D CFL	Yes	1.1	Magnetic	No	4	White	230V	IP54	43177

Accessories

Product code	Picture	Description	16W 43137 43139 43140 43151 43152 43155 43385 43677 78334 88153	21W 43141 43142 43157 43160 43162 77357	28W 43146 43147 43164 43165 43166 43172 43384 43676 77355	38W 43148 43149 43173 43174 43175 43177 77356
43836		White ring NL BRIO RING 16/21W WHITE GE	•	•		
43854		Black ring NL BRIO RING 16/21W BLACK GE	•	•		
43839		Clear diffuser NL BRIO DIFFUSER CLEAR 16/21W GE	•	•		
43840		Clear diffuser NL BRIO DIFFUSER CLEAR 28/38W GE			•	•
43841		Opal diffuser NL BRIO DIFFUSER OPAL 16/21W GE	•	•		
43842		Opal diffuser NL BRIO DIFFUSER OPAL 28/38W GE			•	•



Diamond

DIFFUSER CLEAR, OPAL | COLOUR WHITE | IP40 | IP40 | IK08 | 1.02-2.9 KG | F

A simple and elegant interior light fitting designed with compact 2D fluorescent lamps. Suitable for a wide range of applications, as it offers a combination of comfort, high efficiency, low-energy.

Structures and materials

- **Body:** Impact-resistant, self-extinguishing polycarbonate.
- **Diffuser:** Clear or opal, impact-resistant polycarbonate.
- **Ring:** White.
- **Reflector:** Made of high reflection polycarbonate.

Electrical and gear compartment

- 230V 50Hz magnetic low-loss ballast.

Maintenance

- Replace light source by removing diffuser.

Accessories

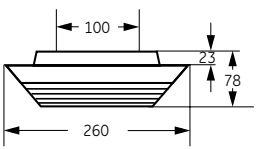
- Diffuser for 28/38W is available as spare part.

Lamp

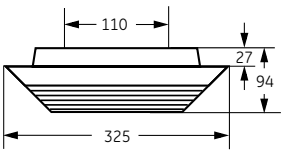
- Luminaire is supplied with 2D Wattmiser 3500K lamp.

Dimensions [mm]

16W-21W



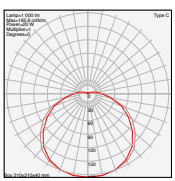
28W-38W



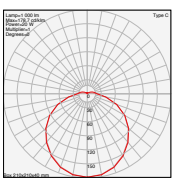
Diamond Specification

Mounting type	Surface / Wall mounted
Reflector	Diffuser
Class	Class 2
Operating Temperature [°C]	25

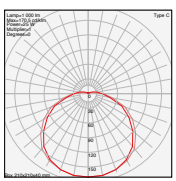
Photometric data



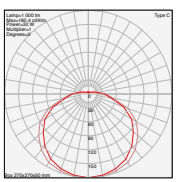
DIAMOND 1 x 16W 2D CFL (43198)



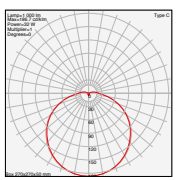
DIAMOND 1 x 16W 2D CFL (43214)



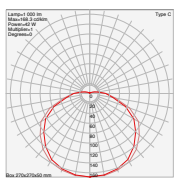
DIAMOND 1 x 21W 2D CFL (43201)



DIAMOND 1 x 28W 2D CFL (43209)



DIAMOND 1 x 28W 2D CFL (43218)



DIAMOND 1 x 38W 2D CFL (43211)

Wall mounted

Office Education Hospitality

Diamond product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Control gear	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 16	NL DIAMOND 2DDM16WHEES 835 220 GE	1 x 16W 2D CFL	Yes	1.46	Magnetic	For 1 hour	6	White	220V	IP40	43197
1 x 16	NL DIAMOND 2DDM16WHL 835 220 GE	1 x 16W 2D CFL	Yes	1.19	Magnetic	No	6	White	220V	IP40	43198
1 x 16	NL DIAMOND 2DDMO16BKL 835 220 GE	1 x 16W 2D CFL	Yes	1.02	Magnetic	No	6	Black	220V	IP40	43212
1 x 16	NL DIAMOND 2DDMO16WHL 835 220 GE	1 x 16W 2D CFL	Yes	1.19	Magnetic	No	6	White	220V	IP40	43214
1 x 21	NL DIAMOND 2DDM21BKL 835 230 GE	1 x 21W 2D CFL	Yes	1.02	Magnetic	No	6	Black	230V	IP40	43199
1 x 21	NL DIAMOND 2DDM21WHL 835 220 GE	1 x 21W 2D CFL	Yes	1.19	Magnetic	No	6	White	220V	IP40	43201
1 x 28	NL DIAMOND 2DDM28BKL 835 220 GE	1 x 28W 2D CFL	Yes	1.82	Magnetic	No	4	Black	220V	IP40	43205
1 x 28	NL DIAMOND 2DDM28WHEES 835 220 GE	1 x 28W 2D CFL	Yes	2.9	Magnetic	For 1 hour	4	White	220V	IP40	43208
1 x 28	NL DIAMOND 2DDM28WHL 835 220 GE	1 x 28W 2D CFL	Yes	1.76	Magnetic	No	4	White	220V	IP40	43209
1 x 28	NL DIAMOND 2DDMO28WHL 835 220V GE	1 x 28W 2D CFL	Yes	1.76	Magnetic	No	4	Black	220V	IP40	43218
1 x 38	NL DIAMOND 2DDM38BKL 835 220 GE	1 x 38W 2D CFL	Yes	1.82	Magnetic	No	4	Black	220V	IP40	43210
1 x 38	NL DIAMOND 2DDM38WHL 835 220 GE	1 x 38W 2D CFL	Yes	1.9	Magnetic	No	4	White	220V	IP40	43211
1 x 38	NL DIAMOND 2DDMO38BKL 835 220V GE	1 x 38W 2D CFL	Yes	1.82	Magnetic	No	4	Black	220V	IP40	43223

Diamond accessory

Product code	Picture	Description	16W	21W	28W	38W
			43197 43198 43212 43214	43199 43201	43205 43208 43209 43218 43845	43210 43211 43223 43845
43845		Diffuser NL DIAMOND DIFFUSER CLEAR 28/38W GE			•	•

Top DBX



IP20-44 | IP20 | 0.61-2.4 KG | F

TOP/DBX PREMIUM complements its surroundings due to the distinctive aesthetic of the fixture. The reflector design delivers an excellent light distribution and a high level of efficiency. It has also been certified with the highest approval marks, protection and insulation indexes.

Structures and materials

- **Body:** TOP/DBX PREMIUM PC: Impact-resistant, self-extinguishing polycarbonate.
- **Body TOP/DBX PREMIUM ALU:** Impact-resistant, self-extinguishing polycarbonate.

Electrical and gear compartment

- 230-240V/50-60Hz electronic ballast
- Wiring connector with 2,5mm^2 clamp screws.

Optics

TOP/DBX PREMIUM PC

- **Reflector:** Metallized polycarbonate.
- **Diffuser:** Shockproof safety diffuser in polycarbonate.
- **Retaining ring:** Polycarbonate.
- **Louvre:** Metallized polycarbonate (accessory).

TOP/DBX PREMIUM ALU

- **Reflector:** Metallized polycarbonate.
- **Diffuser:** Tempered and silk screened safety glass.
- **Retaining ring:** Aluminium die-cast.

Maintenance

- Replace light source by removing louvre.

Accessories

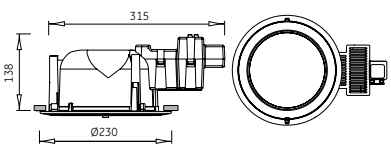
- Wide choice of accessories are available: louvre, diffuser, ring, frames, glasses. Accessories need to be ordered separately.

Lamp

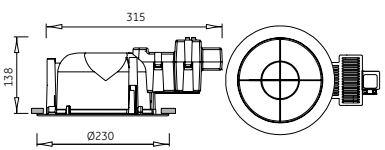
- Luminaire is supplied with DBX 3500K lamp.

Dimensions [mm]

TOP/DBX PREMIUM ALU (ALUMINIUM RING)



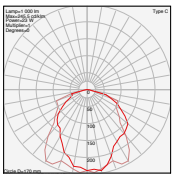
TOP/DBX PREMIUM PC (POLYCARBONATE RING)

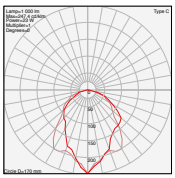


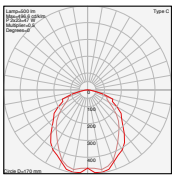
Recessed

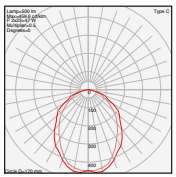
Office Education Retail Hospitality

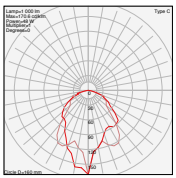
Photometric data

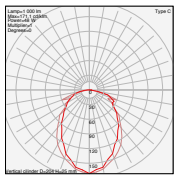

TOP/DBX 1 x 26W CFL
(77558)

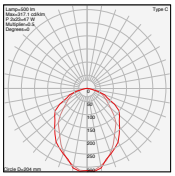

TOP/DBX 1 x 26W CFL
(77558) + Diffuser (77568)

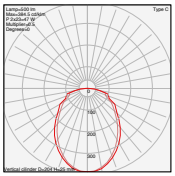

TOP/DBX 2 x 26W CFL
(77561)

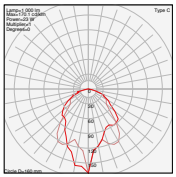

TOP/DBX 2 x 26W CFL
(77561) + Diffuser (77568)

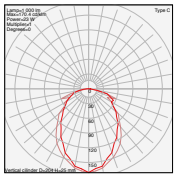

TOP/DBX 1 x 26W CFL
(77588)

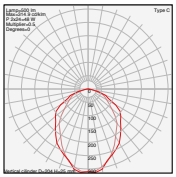

TOP/DBX 1 x 26W CFL
(77588) + Suspended decorative glass (77626)

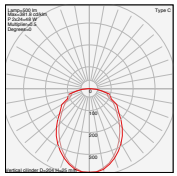

TOP/DBX 2 x 26W CFL
(77607)


TOP/DBX 2 x 26W CFL
(77607) + Suspended decorative glass (77626)


TOP/DBX 1 x 26W CFL
(77617)


TOP/DBX PRAL S 126 EB CWL 835
(77617) + Suspended decorative glass (77627)


TOP/DBX 2 x 26W CFL
(77621)


TOP/DBX 2 x 26W CFL
(77621) + Suspended decorative glass (77627)

Top DBX Specification

Mounting type	Recessed
Reflector	Diffuser
Class	Class 2
Operating Temperature [°C]	25

Top DBX product list

Wattage	Description	Lamp qty & type	Lamp included	Weight (kg)	Ballast	Emergency option	Pack qty	Colour	Voltage	IP Electrical	IP Optical	Product code
1 x 13	OL TOP/DBX PRPC W 113 EB CWL 835	1 x 13W CFL	Yes	0.61	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77556
1 x 13	OL TOP/DBX PRAL W 113 EB CWL 835	1 x 13W CFL	Yes	1.1	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77586
1 x 13	OL TOP/DBX PRAL S 113 EB CWL 835	1 x 13W CFL	Yes	1.1	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77615
1 x 18	OL TOP/DBX PRPC W 118 EB CWL 835	1 x 18W CFL	Yes	0.63	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77557
1 x 18	OL TOP/DBX PRAL W 118 EB CWL 835	1 x 18W CFL	Yes	1.1	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77587
1 x 18	OL TOP/DBX PRAL S 118 EB CWL 835	1 x 18W CFL	Yes	1.1	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77616
1 x 26	OL TOP/DBX PRPC W 126 EB CWL 835	1 x 26W CFL	Yes	0.64	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77558
1 x 26	OL TOP/DBX PRAL W 126 EB CWL 835	1 x 26W CFL	Yes	1.1	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77588
1 x 26	OL TOP/DBX PRAL S 126 EB CWL 835	1 x 26W CFL	Yes	1.1	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77617
2 x 13	OL TOP/DBX PRPC W 213 EB CWL 835	2 x 13W CFL	Yes	0.78	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77559
2 x 13	OL TOP/DBX PRAL W 213 EB CWL 835	2 x 13W CFL	Yes	1.3	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77605
2 x 13	OL TOP/DBX PRAL S 213 EB CWL 835	2 x 13W CFL	Yes	1.3	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77618
2 x 18	OL TOP/DBX PRPC W 218 EB CWL 835	2 x 18W CFL	Yes	0.81	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77560
2 x 18	OL TOP/DBX PRPC W 218 EB EES CWL 835	2 x 18W CFL	Yes	1.78	High Frequency Electronic	For 1 hour	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77564
2 x 18	OL TOP/DBX PRPC W 218 EB DIM CWL 835	2 x 18W CFL	Yes	0.98	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77562
2 x 18	OL TOP/DBX PRAL W 218 EB DIM CWL 835	2 x 18W CFL	Yes	1.5	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77608
2 x 18	OL TOP/DBX PRAL W 218 EB EES CWL 835	2 x 18W CFL	Yes	2.4	High Frequency Electronic	For 1 hour	1	White-Aluminium	220-240V	IP20	IP20/IP44	77610
2 x 18	OL TOP/DBX PRAL S 218 EB CWL 835	2 x 18W CFL	Yes	1.4	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77619
2 x 18	OL TOP/DBX PRAL W 218 EB CWL 835	2 x 18W CFL	Yes	1.4	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77620
2 x 18	OL TOP/DBX PRAL S 218 EB DIM CWL 835	2 x 18W CFL	Yes	1.5	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77622
2 x 18	OL TOP/DBX PRAL S 218 EB EES CWL 835	2 x 18W CFL	Yes	2.4	High Frequency Electronic	For 1 hour	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77624
2 x 26	OL TOP/DBX PRPC W 226 EB CWL 835	2 x 26W CFL	Yes	0.83	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77561
2 x 26	OL TOP/DBX PRPC W 226 EB EES CWL 835	2 x 26W CFL	Yes	1.8	High Frequency Electronic	For 1 hour	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77565
2 x 26	OL TOP/DBX PRPC W 226 EB DIM CWL 835	2 x 26W CFL	Yes	1	High Frequency Electronic	No	1	White-Polycarbonate	220-240V	IP20	IP20/IP44	77563
2 x 26	OL TOP/DBX PRAL W 226 EB CWL 835	2 x 26W CFL	Yes	1.4	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77607
2 x 26	OL TOP/DBX PRAL W 226 EB DIM CWL 835	2 x 26W CFL	Yes	1.6	High Frequency Electronic	No	1	White-Aluminium	220-240V	IP20	IP20/IP44	77609
2 x 26	OL TOP/DBX PRAL W 226 EB EES CWL 835	2 x 26W CFL	Yes	2.4	High Frequency Electronic	For 1 hour	1	White-Aluminium	220-240V	IP20	IP20/IP44	77612
2 x 26	OL TOP/DBX PRAL S 226 EB CWL 835	2 x 26W CFL	Yes	1.4	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77621
2 x 26	OL TOP/DBX PRAL S 226 EB DIM CWL 835	2 x 26W CFL	Yes	1.6	High Frequency Electronic	No	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77623
2 x 26	OL TOP/DBX PRAL S 226 EB EES CWL 835	2 x 26W CFL	Yes	2.4	High Frequency Electronic	For 1 hour	1	Silver-Aluminium	220-240V	IP20	IP20/IP44	77625

Top DBX Accessories

Product code	Description	PC White	ALU White	ALU Silver
		77556 77557 77558 77560 77561 77564 77565 77559 77562 77563	77587 77605 77587 77620 77588 77607 77608 77609 77610 77612	77615 77618 77616 77619 77617 77621 77622 77623 77624 77625
77568	Diffuser OL TOP/DBX PRPC DIFFUSER IP44	•		
77566	Comfort louvre OL TOP/DBX PRPC LOUVRE	•		
77570	Silver ring OL TOP/DBX PRPC SILVER RING	•		
77572	Square white frame OL TOP/DBX PRPC FRAME SQUARE	•		
77585	Oval white frame OL TOP/DBX PRPC FRAME OVAL	•		
77626	Suspended decorative glass OL TOP/DBX PRAL W GLASS		•	
77627	Suspended decorative glass OL TOP/DBX PRAL S GLASS			•

T5 NPP



IP40 IP40 0.6-1.7 KG F

Lighting fittings for T5 fluorescent lamps suitable for large areas such as retail and warehouse applications. It is an ideal solution for ceiling installation. NPP is compatible with the NAL trunking system, but NPQ is the best solution for track mounting NAL system with full compatibility.

Structures and materials

- **Body:** Cold-milled, phosphate white epoxy polyester powder coated steel sheet.
- **Colour:** White.
- **Lamp holder:** Polycarbonate, fixed to body by safety clip. Ring nuts for IP40 and to prevent lamp failure.

Electrical and gear compartment

- Only electronic version is available, 230-240V/50-60Hz, connector with fuse, screw terminals for conductors up to 2.5mm^2.

Installation/ Maintenance

- Replace light source by removing diffuser.

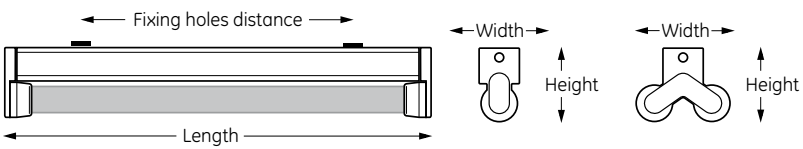
Accessories

- A wide-choice of accessories are available; including Reflectors (NPGR)
- NPT – Metal Reflector, NPR - Metal Reflector with clip-fit end elements, NPA - Asymmetric Metal Reflector, NPLT - Aligner for NPT – NPR – NPA Reflectors, TCGR - End Cap.

Lamp

- Luminaire is supplied without lamp

Dimensions [mm]

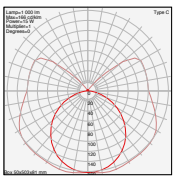


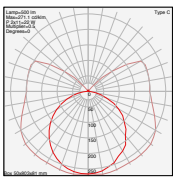
Lamp qty & type	Length [mm]	Fixing holes distance [mm]	Height [mm]	Width [mm]
14W				
1 x 14W T5 LFL	573	420	91	50
21W				
1 x 21W T5 LFL	873	720	91	50
2 x 21W T5 LFL	873	720	91	93
24W				
1 x 24W T5 LFL	573	420	91	50
28W				
1 x 28W T5 LFL	1173	640	91	50
2 x 28W T5 LFL	1173	640	91	93
35W				
1 x 35W T5 LFL	1473	870	91	50
2 x 35W T5 LFL	1473	870	91	93
39W				
1 x 39W T5 LFL	873	720	91	50
2 x 39W T5 LFL	873	720	91	93
49W				
1 x 49W T5 LFL	1473	870	91	50
2 x 49W T5 LFL	1473	870	91	93
54W				
1 x 54W T5 LFL	1173	640	91	50
2 x 54W T5 LFL	1173	640	91	93
80W				
1 x 80W T5 LFL	1473	870	91	50
2 x 80W T5 LFL	1473	870	91	93

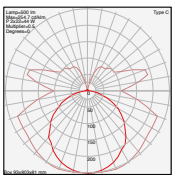
Suspended

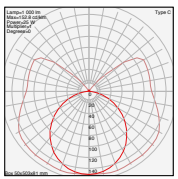
Industrial Car park Retail

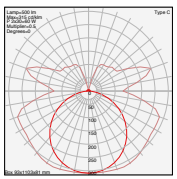
Photometric data

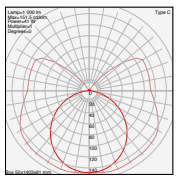

N-PACK NPP 1 x 14W T5 LFL
(88576)

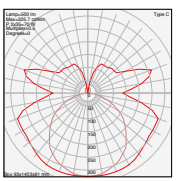

N-PACK NPP 1 x 21W T5 LFL
(88574)

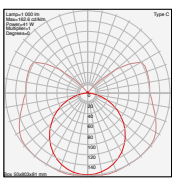

N-PACK NPP 2 x 21W T5 LFL
(88573)

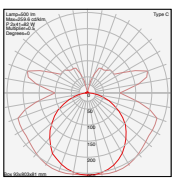

N-PACK NPP 1 x 24W T5 LFL
(88575)

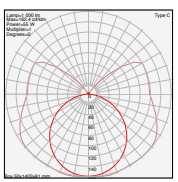

N-PACK NPP 2 x 28W T5 LFL
(88569)

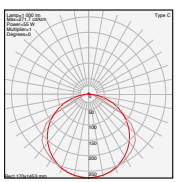

N-PACK NPP 1 x 35W T5 LFL
(88566)

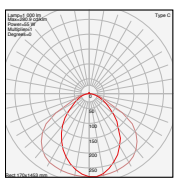

N-PACK NPP 2 x 35W T5 LFL
(88565)

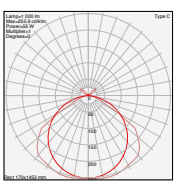

N-PACK NPP 1 x 39W T5 LFL
(88572)

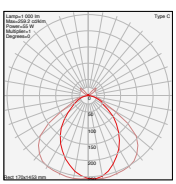

N-PACK NPP 2 x 39W T5 LFL
(88571)

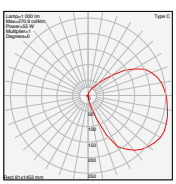

N-PACK NPP 1 x 49W T5 LFL
(88603)

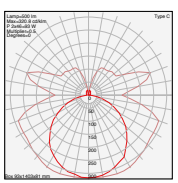

N-PACK NPP 1 x 49W T5 LFL
(88603) + Symmetrical Metal
reflector (73462)

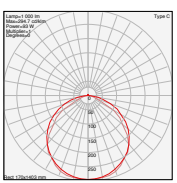

N-PACK NPP 1 x 49W T5 LFL
(88603) + Symmetrical Metal
reflector (73462) + Metal louvre
(73474)

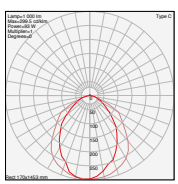

N-PACK NPP 1 x 49W T5 LFL
(88603) + Symmetrical Metal
reflector with clip-fit end elements
(73466)

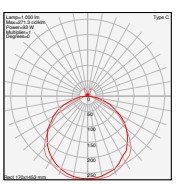

N-PACK NPP 1 x 49W T5 LFL
(88603) + Symmetrical Metal
reflector with clip-fit end elements
(73466) + Metal louvre (73474)

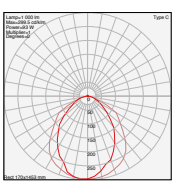

N-PACK NPP 1 x 49W T5 LFL
(88603) + Asymmetrical Metal
reflector (73470)

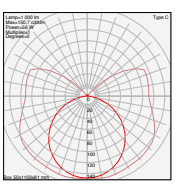

N-PACK NPP 2 x 49W T5 LFL
(88564)

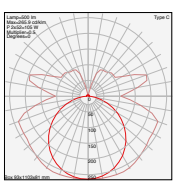

N-PACK NPP 2 x 49W T5 LFL
(88564) + Symmetrical Metal
reflector (73462)

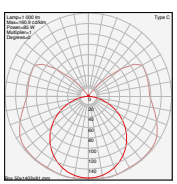

N-PACK NPP 2 x 49W T5 LFL
(88564) + Symmetrical Metal
reflector (73462) + Metal louvre
(73474)

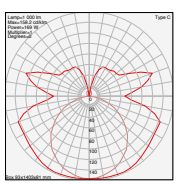

N-PACK NPP 2 x 49W T5 LFL
(88564) + Symmetrical Metal
reflector with clip-fit end elements
(73466)


N-PACK NPP 2 x 49W T5 LFL
(88564) + Symmetrical Metal
reflector with clip-fit end elements
(73466) + Metal louvre (73474)


N-PACK NPP 1 x 54W T5 LFL
(88568)


N-PACK NPP 2 x 54W T5 LFL
(88567)


N-PACK NPP 1 x 80W T5 LFL
(88563)


N-PACK NPP 2 x 80W T5 LFL
(88602)

T5 NPP specification

Mounting type	Surface mounted / NAL
Reflector	Under accessories
Class	Class 1
Operating Temperature [°C]	25

T5 NPP product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 14	NL N-PACK NPP114EB T5 LL 220-240 GE	1 x 14W T5 LFL	No	0.6	No	1	White	220-240V	IP40	88576
1 x 21	NL N-PACK NPP121EB T5 LL 220-240 GE	1 x 21W T5 LFL	No	1	No	1	White	220-240V	IP40	88574
2 x 21	NL N-PACK NPP221EB T5 LL 220-240 GE	2 x 21W T5 LFL	No	1	No	1	White	220-240V	IP40	88573
1 x 24	NL N-PACK NPP124EB T5 LL 220-240 GE	1 x 24W T5 LFL	No	0.6	No	1	White	220-240V	IP40	88575
2 x 28	NL N-PACK NPP228EB T5 LL 220-240 GE	2 x 28W T5 LFL	No	1.3	No	1	White	220-240V	IP40	88569
1 x 35	NL N-PACK NPP135EB T5 LL 220-240 GE	1 x 35W T5 LFL	No	1.5	No	1	White	220-240V	IP40	88566
2 x 35	NL N-PACK NPP235EB T5 LL 220-240 GE	2 x 35W T5 LFL	No	1.6	No	1	White	220-240V	IP40	88565
1 x 39	NL N-PACK NPP139EB T5 LL 220-240 GE	1 x 39W T5 LFL	No	1	No	1	White	220-240V	IP40	88572
2 x 39	NL N-PACK NPP239EB T5 LL 220-240 GE	2 x 39W T5 LFL	No	1	No	1	White	220-240V	IP40	88571
1 x 49	NL N-PACK NPP149EB T5 LL 220-240 GE	1 x 49W T5 LFL	No	1.5	No	1	White	220-240V	IP40	88603
2 x 49	NL N-PACK NPP249EB T5 LL 220-240 GE	2 x 49W T5 LFL	No	1.6	No	1	White	220-240V	IP40	88564
1 x 54	NL N-PACK NPP154EB T5 LL 220-240 GE	1 x 54W T5 LFL	No	1.2	No	1	White	220-240V	IP40	88568
2 x 54	NL N-PACK NPP254EB T5 LL 220-240 GE	2 x 54W T5 LFL	No	1.3	No	1	White	220-240V	IP40	88567
1 x 80	NL N-PACK NPP180EB T5 LL 220-240 GE	1 x 80W T5 LFL	No	1.6	No	1	White	220-240V	IP40	88563
2 x 80	NL N-PACK NPP280EB T5 LL 220-240 GE	2 x 80W T5 LFL	No	1.7	No	1	White	220-240V	IP40	88602

T5 NPP Accessories

Product code	Picture	Description	1 x 14W 88576	1 x 21W 88574	2 x 21W 88 573	1 x 24W 88575	1 x 28W 88570	2 x 28w 88569	1 x 35W 88566	2 x 35W 88565	1 x 39W 88572	2 x 39W 88571	1 x 49W 88603	2 x 49W 88564	1 x 54W 88568	2 x 54W 88567	1 x 80W 88563	2 x 80W 88602
73455		Symmetrical Metal reflector NL NPACK NPT 1X14-24 REFLEC-TOR GE	•			•												
73456		Symmetrical Metal reflector NL NPACK NPT 1X21-39 REFLEC-TOR GE		•							•							
73457		Symmetrical Metal reflector NL NPACK NPT 1X28-54 REFLEC-TOR GE					•											
73458		Metal reflector NL NPACK NPT 1X35-49-80 REFLEC-TOR GE							•				•				•	
73459		Symmetrical Metal reflector NL NPACK NPT 1/2X14-24 REFLEC-TOR GE	•			•												
73460		Symmetrical Metal reflector NL NPACK NPT 1/2X21-39 REFLEC-TOR GE		•	•						•	•						
73461		Symmetrical Metal reflector NL NPACK NPT 1/2X28-54 REFLEC-TOR GE					•	•							•	•		
73462		Symmetrical Metal reflector NL NPACK NPT 1/2X35-49-80 REFLECTOR GE							•	•			•	•			•	•
73463		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X14-24 REFLEC-TOR GE	•			•												
73464		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X21-39 REFLEC-TOR GE		•	•						•	•						
73465		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X28-54 REFLEC-TOR GE					•	•							•	•		

Traditional Indoor Luminaires

Product code	Picture	Description	1 x 14W 88576	1 x 21W 88574	2 x 21W 88 573	1 x 24W 88575	1 x 28W 88570	2 x 28w 88569	1 x 35W 88566	2 x 35W 88565	1 x 39W 88572	2 x 39W 88571	1 x 49W 88603	2 x 49W 88564	1 x 54W 88568	2 x 54W 88567	1 x 80W 88563	2 x 80W 88602
73466		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X35-49-80 REFLECTOR GE							•	•			•	•			•	•
73467		Asymmetrical Metal reflector NL NPACK NPA 1X14-24 REFLEC-TOR GE	•			•												
73468		Asymmetrical Metal reflector NL NPACK NPA 1X21-39 REFLEC-TOR GE		•	•						•	•						
73469		Asymmetrical Metal reflector NL NPACK NPA 1X28-54 REFLEC-TOR GE					•	•							•	•		
73470		Asymmetrical Metal reflector NL NPACK NPA 1X35-49-80 REFLEC-TOR GE							•	•			•	•			•	•
73471		Metal louvre NL NPACK NPGR 1/2X14-24 LOUVRE GE	•			•												
73472		Metal louvre NL NPACK NPGR 1/2X21-39 LOUVRE GE		•	•						•	•						
73473		Metal louvre NL NPACK NPGR 1/2X28-54 LOUVRE GE					•	•							•	•		
73474		Metal louvre NL NPACK NPGR 1/2X35-49-80 LOUVRE GE							•	•							•	•
45311		Aligner for all metal reflectors NL N-PACK NPLT ALIGNER GE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
62571		End cap for all metal reflectors NL N-PACK TCGR TESTATE ENDCAP GE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

T5 NPP Accessories description

NPT - Metal Reflector

Complete downlight diffusion. Cold-rolled, phosphate white epoxy polyester powder coated steel (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner.

NPR - Metal Reflector with clip-fit end elements

The reflector is designed to avoid "tunnel" effect and eye fatigue caused by impaired lighting (bright light on work bench and low light on the ceiling). The Reflector is cold-rolled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner

NPA - Asymetric metal reflector

This accessory makes it possible to obtain 100% downward light diffusion. Made of 5/10 gauge sheet steel with a white phosphate epoxy polyester powder coated paint. The reflector can be installed in continuous rows using the NPLT Aligner.

NPGR - Metal louvre

This can be clipped in the NPT twin-lamp and NPR single-lamp. Closed at both ends by snap devices (supplied). The reflector is cold-milled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). It provides a combination of good shielding and high light output. Need to order NPT and NPR reflector separately.

TCGR - End cap

Made of polycarbonate, for NPT twin-lamp and NPR single-lamp reflectors. NPT and NPR reflectors need to be ordered separately.

NPLT - Aligner for Reflectors

Made of polycarbonate; snaps in. The NPT/NPA and NPR reflectors need to be ordered separately.

T8 NPP



IP40 IP40 1.1-4.75 KG F

Lighting fittings for T8 fluorescent lamps suitable for large areas e.g. retail, warehouse. An ideal solution for ceiling installations where access is an issue. T8 NPP is compatible with the NAL trunking system, and the NPQ is the ideal solution for track mounting the NAL system with full compatibility.

Structures and materials

- **Body:** Cold-milled, phosphate white epoxy polyester powder coated steel sheet.
- **Colour:** White.
- **Lamp holder:** Polycarbonate, fixed to body by safety clip. Ring nuts for IP40 and to prevent lamp failure.

Electrical and gear compartment

- Magnetic and electronic types are available. Magnetic Ballast low-loss 230V/50Hz with incorporated protected discharge resistance capacitor. Electronic Ballast (EB) is 220-240V/50-60Hz. Fireproof wires, connector with fuse, screw terminals for conductors up to 2.5mm^2.

Installation/ Maintenance

- **Starter:** On the side of body, it allows easy maintenance without the need to remove the lamp or accessories.
- **Cable entry:** using a dedicated hole in body Ø18mm grommet or through knockouts at the end of the fittings.

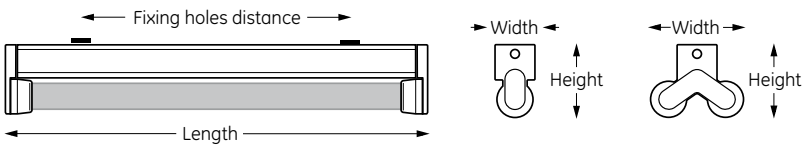
Accessories

- A wide-choice of accessories are available, Reflectors (NPGR)
- NPT – Metal Reflector, NPR - Metal Reflector with clip-fit end elements, NPA - Asymmetric Metal Reflector, NPGT/NPGTL - tube guard, NPS - Metal guard NPLT - Aligner for NPT – NPR – NPA Reflectors, TCGR - End Cap.

Lamp

- Luminaire is supplied without lamp.

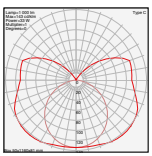
Dimensions [mm]

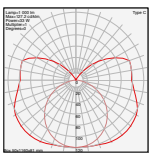


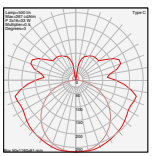
Lamp qty & type	Length [mm]	Fixing holes distance [mm]	Height [mm]	Width [mm]
18W				
1 x 18W T8 LFL	620	470	91	50
2 x 18W T8 LFL	620	470	91	116
30W				
1x 30W T8 LFL	925	605	91	50
36W				
1 x 36W T8 LFL	1230	800	91	50
2 x 36W T8 LFL	1230	800	91	116
58W				
1 x 58W T8 LFL	1530	800	91	50
2 x 58W T8 LFL	1530	800	91	116

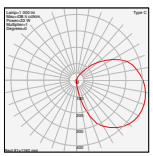
Industrial Car park Retail

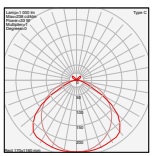
Photometric data

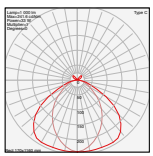

N-PACK NPP 1 x 36W T8 LFL (43444)

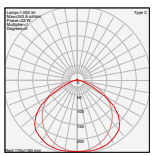

N-PACK NPP 1 x 36W T8 LFL (43444) + Prismatic guard (32093)

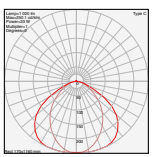

N-PACK NPP 1 x 36W T8 LFL (43444) / N-PACK NPP 2 x 36W T8 (43458) LFL + Tube guard (38436)

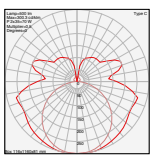

N-PACK NPP 1 x 36W T8 LFL (43444) + Asymmetrical Metal reflector (44062)

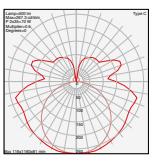

N-PACK NPP 1 x 36W T8 LFL (43444) + Symmetrical Metal reflector with clip-fit end elements (44080)

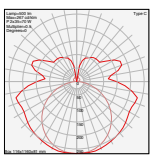

N-PACK NPP 1 x 36W T8 LFL (43444) + Symmetrical Metal reflector with clip-fit end elements (44080) + Metal louvre (44088)

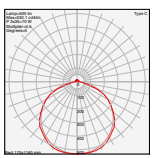

N-PACK NPP 1 x 36W T8 LFL (43444) + Symmetrical Metal reflector (44083)

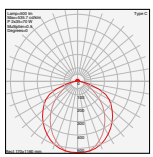

N-PACK NPP 1 x 36W T8 LFL (43444) + Symmetrical Metal reflector (44083) + Metal louvre (44088)

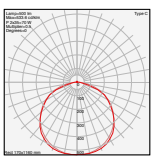

N-PACK NPP 2 x 36W T8 LFL (43458)

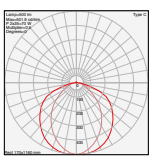

N-PACK NPP 2 x 36W T8 LFL (43458) + Prismatic guard (32093)

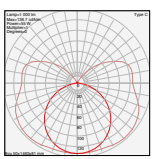

N-PACK NPP 2 x 36W T8 LFL (43458) + Tube guard (38436)

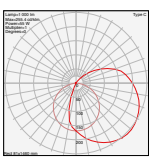

N-PACK NPP 2 x 36W T8 LFL (43458) + Symmetrical Metal reflector with clip-fit end elements (44080)

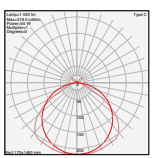

N-PACK NPP 2 x 36W T8 LFL (43458) + Symmetrical Metal reflector with clip-fit end elements (44080) + Metal louvre (44088)

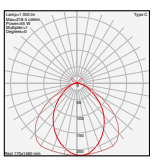

N-PACK NPP 2 x 36W T8 LFL (43458) + Symmetrical Metal reflector (44083)

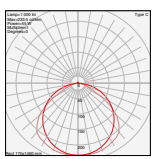

N-PACK NPP 2 x 36W T8 LFL (43458) + Symmetrical Metal reflector (44083) + Metal louvre (44088)

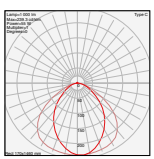

N-PACK NPP 1 x 58W T8 LFL (43449)

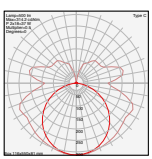

N-PACK NPP 1 x 58W T8 LFL (43449) + Asymmetrical Metal reflector (44063)

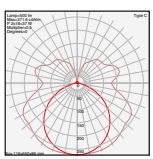

N-PACK NPP 1 x 58W T8 LFL (43449) + Symmetrical Metal reflector with clip-fit end elements (44081)

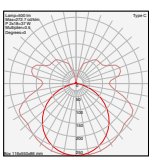

N-PACK NPP 1 x 58W T8 LFL (43449) + Symmetrical Metal reflector with clip-fit end elements (44081) + Metal louvre (44089)

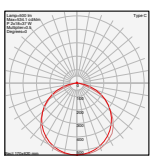

N-PACK NPP 1 x 58W T8 LFL (43449) + Symmetrical Metal reflector (44087)

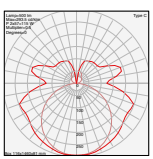

N-PACK NPP 1 x 58W T8 LFL (43449) + Symmetrical Metal reflector (44087) + Metal louvre (44089)


N-PACK NPP 2 x 18W T8 LFL (43454)


N-PACK NPP 2 x 18W T8 LFL (43454) + Prismatic guard (32090)


N-PACK NPP 2 x 18W T8 LFL (43454) + (32099)


N-PACK NPP 2 x 18W T8 LFL (43454) + Symmetrical Metal reflector (44060)


N-PACK NPP 2 x 58W T8 LFL (43463)

T8 NPP specification

Mounting type	Surface mounted / NAL
Reflector	Under accessories
Class	Class 1
Operating Temperature [°C]	25

T8 NPP product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 18	NL N-PACK NPP118H 33 230 GE	1 x 18W T8 LFL	No	1.3	No	1	White	230V	IP40	43432
2 x 18	NL N-PACK NPP218EB LL 230 GE	2 x 18W T8 LFL	No	1.1	No	1	White	220-240V	IP40	43454
2 x 18	NL N-PACK NPP218H 33 230 GE	2 x 18W T8 LFL	No	1.4	No	1	White	230V	IP40	43455
1 x 30	NL N-PACK NPP130H 33 230 GE	1 x 30W T8 LFL	No	1.6	No	1	White	230V	IP40	43435
1 x 36	NL N-PACK NPP136EB LL 230 GE	1 x 36W T8 LFL	No	1.85	No	1	White	220-240V	IP40	43444
1 x 36	NL N-PACK NPP136H 33 230 GE	1 x 36W T8 LFL	No	2.1	No	1	White	230V	IP40	43445
1 x 36	NL N-PACK NPP136HEES LL 230 GE	1 x 36W T8 LFL	No	2.55	For 1 hour	1	White	230V	IP40	43447
2 x 36	NL N-PACK NPP236EB LL 230 GE	2 x 36W T8 LFL	No	2.4	No	1	White	220-240V	IP40	43458
2 x 36	NL N-PACK NPP236H 33 230 GE	2 x 36W T8 LFL	No	3.1	No	1	White	230V	IP40	43460
1 x 36	NL N-PACK NPP136EBEES LL 230V GE	1 x 36W T8 LFL	No	2.3	For 3 hours	1	White	220-240V	IP40	45624
1 x 58	NL N-PACK NPP158EB LL 230 GE	1 x 58W T8 LFL	No	2.2	No	1	White	220-240V	IP40	43449
1 x 58	NL N-PACK NPP158H 33 230 GE	1 x 58W T8 LFL	No	2.7	No	1	White	230V	IP40	43450
1 x 58	NL N-PACK NPP158HEES LL 230 GE	1 x 58W T8 LFL	No	3.25	For 1 hour	1	White	230V	IP40	43452
2 x 58	NL N-PACK NPP258EB LL 230 GE	2 x 58W T8 LFL	No	3.1	No	1	White	220-240V	IP40	43463
2 x 58	NL N-PACK NPP258H 33 230 GE	2 x 58W T8 LFL	No	4.3	No	1	White	230V	IP40	43464
2 x 58	NL N-PACK NPP258HEES LL 230 GE	2 x 58W T8 LFL	No	4.75	For 1 hour	1	White	230V	IP40	43466
2 x 58	NL N-PACK NPP258EBEES LL 230V GE	2 x 58W T8 LFL	No	3.55	For 3 hours	1	White	220-240V	IP40	45625

T8 NPP Accessories

Product code	Picture	Description	1 x 18W 43432	2 x 18W 43454 43455	1 x 30W 43435	1 x 36W 43444 43445 43447	2 x 36W 43458 43460	1 x 58w 45624 43449 43450 43452	2 x 58W 43463 43464 43466 45625
44042		Symmetrical Metal reflector NL N-PACK NPT2 REFLECTOR GE	•						
44082		Symmetrical Metal reflector NL N-PACK NPT4 REFLECTOR GE				•			
44086		Symmetrical Metal reflector NL N-PACK NPT5 REFLECTOR GE						•	
44060		Symmetrical Metal reflector NL N-PACK NPT22 REFLECTOR GE	•	•					
44083		Symmetrical Metal reflector NL N-PACK NPT24 REFLECTOR GE				•	•		
44087		Symmetrical Metal reflector NL N-PACK NPT25 REFLECTOR GE						•	•
44080		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR4 REFLECTOR GE				•	•		
44081		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR5 REFLECTOR GE						•	•
44061		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR24 REFLECTOR GE					•		
44085		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR25 REFLECTOR GE							•
44062		Asymmetrical Metal reflector NL N-PACK NPA4 REFLECTOR GE				•			
44063		Asymmetrical Metal reflector NL N-PACK NPA5 REFLECTOR GE						•	
44088		Metal louvre NL N-PACK NPGR24 LOUVRE GE				•	•		
44089		Metal louvre NL N-PACK NPGR25 LOUVRE GE						•	•
32090		Prismatic guard OL N-PACK NPGT2 PROTECTION TUBE GE	•	•					
32092		Prismatic guard OL N-PACK NPGT3 PROTECTION TUBE			•				
32093		Prismatic guard OL N-PACK NPGT4 PROTECTION TUBE GE				•	•		
32095		Prismatic guard OL N-PACK NPGT5 PROTECTION TUBE GE						•	•

Product code	Picture	Description	1 x 18W 43432	2 x 18W 43454 43455	1 x 30W 43435	1 x 36W 43444 43445 43447	2 x 36W 43458 43460	1 x 58w 45624 43449 43450 43452	2 x 58W 43463 43464 43466 45625
38434		Tube guard OL N-PACK NPGTL2 PROTECTIVE TUBE GE	•	•					
38435		Tube guard OL N-PACK NPGTL3 PROTECTIVE TUBE GE			•				
38436		Tube guard OL N-PACK NPGTL4 PROTECTIVE TUBE GE				•	•		
38437		Tube guard OL N-PACK NPGTL5 PROTECTIVE TUBE GE						•	•
44064		Metal guard NPS/P NL N-PACK NPSP2 WIREGUARD GE	•						
44065		Metal guard NPS/P NL N-PACK NPSP4 WIREGUARD GE				•			
44066		Metal guard NPS/P NL N-PACK NPSP5 WIREGUARD GE						•	
44067		Metal guard NPS/P NL N-PACK NPSP22 WIREGUARD GE		•					
44068		Metal guard NPS/P NL N-PACK NPSP24 WIREGUARD GE					•		
44069		Metal guard NPS/P NL N-PACK NPSP25 WIREGUARD GE							•
44070		Metal guard NPS/Q NL N-PACK NPSQ2 WIREGUARD GE	•						
44071		Metal guard NPS/Q NL N-PACK NPSQ4 WIREGUARD GE				•			
44084		Metal guard NPS/Q NL N-PACK NPSQ5 WIREGUARD GE						•	
44072		Metal guard NPS/Q NL N-PACK NPSQ22 WIREGUARD GE		•					
44073		Metal guard NPS/Q NL N-PACK NPSQ24 WIREGUARD GE					•		
44074		Metal guard NPS/Q NL N-PACK NPSQ25 WIREGUARD GE							•
45311		Aligner NL N-PACK NPLT ALIGNER GE	•	•		•	•	•	•
62571		End cap NL N-PACK TCGR TESTATE ENDCAP GE	•	•		•	•	•	•

T8 NPP Accessories description

NPT - Metal Reflector

Complete downlight diffusion. Cold-rolled, phosphate white epoxy polyester powder coated steel (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner

NPR - Metal Reflector with clip-fit end elements

The reflector is designed to avoid "tunnel" effect and eye fatigue caused by impaired lighting (bright light on work bench and low light on the ceiling). The Reflector is cold-rolled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner.

NPA - Asymetric metal reflector

This accessory makes it possible to obtain 100% downward light diffusion. Made of 5/10 gauge sheet steel with a white phosphate epoxy polyester powder coated paint. The reflector can be installed in continuous rows using the NPLT aligner.

NPGR - Metal louvre

Can be clipped in NPT twin-lamp and NPR single-lamp. Closed at both ends by snap devices (supplied). Reflector is cold-milled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Combination of good shielding and high light output. Need to order NPT and NPR reflector separately.

TCGR - End cap

Made of polycarbonate, for NPT twin-lamp and NPR single-lamp reflectors. Need to order NPT and NPR reflector separately.

NPLT - Aligner for Reflectors

Made of polycarbonate; snaps in. Need to order NPT/NPA and NPR reflector separately.

NPGT/NPGTL T8 - Prismatic/tube-guard

Made of self-extinguishing, UV–stabilized, anti-yellowing, robust polycarbonate. Best for mounting N-PACK fittings in medium/large industrial plants. Mounting brackets included. Universal starter (FSU) should be replaced by safety fast starter (VIT 2) when using with tube guard.

NPS T8 - Metal guard

Made of arc-welded steel wire with clear zinc-plated finish. Swings open for easy lamp replacement. Two models available:

NPS/P: nickel steel brackets anchored to the back of NPP fittings.

NPS/Q: nickel steel brackets to be mounted on NPP fittings by fast threaded nut of anchoring system.

NAL
Trunking System



Surface or suspension channeling systems. Trunking is cold-rolled, phosphate white epoxy polyester powder coated steel sheet (thickness: 0.8mm).

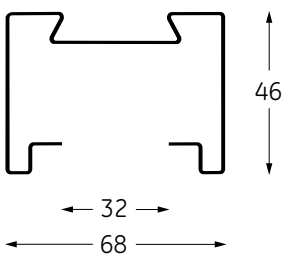
Installation

- **Fast electric wiring in NAL Trunking system:** One clamp anchored to ballast for fast electric wiring. NAL 1652 connector (not supplied) to be pre-installed in the track.
- **Fast mechanic installation in NAL Trunking system:** The nut is attached to the body, a split pin co-axial to the nut and a spring coupling to channel system.

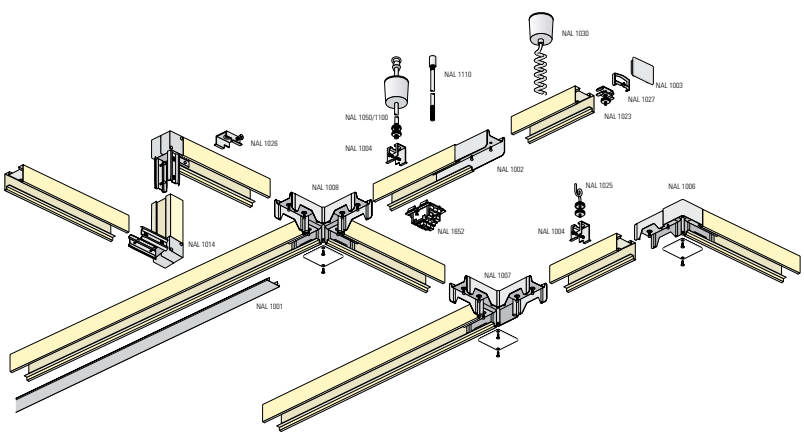
Mounting is made possible by the:

- NAL 1652 Terminal board socket for the quick electrical connection for the N-pack NPQ luminaires.
- The suspension of NPP, MARINER, MAC luminaires and others with mounting holes of minimum 5mm. Recommended to follow the supplied installation instructions.

Channel system cross section dimensions [mm]



System and components



NAL Trunking System product list

Description	Weight [kg]	Pack qty	Colour	Product code	Picture
NAL Trunking					
NAL 1000 1M WH	1.380	4	White	43999	
NAL 2000 2M WH	2.760	4	White	44009	
NAL 3000 3M WH	4.140	4	White	44010	
Linear coupler					
NAL 1002	0.455	20/1	Metal	44018	
Die-cast aluminium "X" coupler					
NAL 1008 X	0.730	5/1	Metal	44002	
Die-cast aluminium connector					
NAL 1014 UPDOWN	0.250	5/1	Metal	44003	
End cap					
NAL 1003	0.020	100/1	White	45313	
Race way mounting by NAL 1025 or Stem					
NAL 1004	0.040	50/1	White	44273	
Die-cast aluminium "L" coupler					
NAL 1006 L	0.450	10/1	Metal	44000	
White, self-extinguishing, PVC screw					
NAL 1001	0.250	30	White	32624	
Pendant for Ø5mm fitting					
NAL 1023	0.030	100/2	Metal	32621	

Description	Weight [kg]	Pack qty	Colour	Product code	Picture
Coiled Cord					
NAL 1025	0.065	100/1	White	32617	
Power Supply set					
NAL 1030	0.750	5/1	White	44015	
Ceiling mounting					
NAL 1026	0.035	100/1	Metal	44019	
Support					
NAL 1027	0.003	100/1	White	45312	
Die-cast aluminium "T" coupler					
NAL 1007 T	0.590	10/4	Metal	44001	
Connector for NPQ fittings					
NAL 1110	0.003	50/1	White	45316	
White Steel Stem					
NAL 1050 TIGE 50CM	0.340	12/1	White	44016	
NAL 1100 TIGE 1M	0.560	12/1	White	44020	
White Steel Extension Stem					
NAL 1110	0.560	20/1	White	43998	

T5 NPQ



IP40 | IP40 | 0.5-1.9 KG | F

Lighting fittings for T5 fluorescent lamps suitable for large areas such as retail and warehouses. An ideal solution for ceiling installation where access is an issue. T5 NPQ is fully compatible with NAL trunking system.

Structures and materials

- **Body:** Cold-milled, phosphate white epoxy polyester powder coated steel sheet.
- **Colour:** White.
- **Lamp holder:** Polycarbonate, fixed to body by safety clip. Ring nuts for IP40 and to prevent lamp failure.

Electrical and gear compartment

- Only electronic version is available, 230-240V/50-60Hz, connector with fuse, screw terminals for conductors up to 2.5mm^2.

Installation/ Maintenance

Cable entry: using a dedicated hole in body Ø18mm grommet or through knockouts at the end of the fittings. Surface mounting installation by the supplied accessories.

Fast electric wiring in NAL Trunking system: One clamp anchored to ballast for fast electric wiring. NAL 1652 connector (not supplied) to be pre-installed in the track. Pls see more details under NAL Trunking system.

Fast mechanic installation in NAL Trunking system: Nut attached to body, a split pin co-axial to the nut and a spring coupling to channel system. Please see more details under NAL Trunking system.

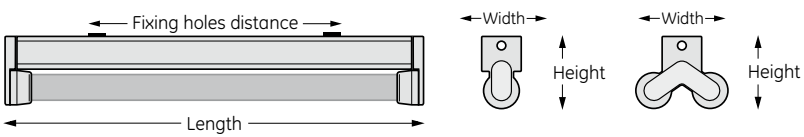
Accessories

- Wide-choice of accessories are available, Reflectors (NPGR)
- NPT – Metal Reflector, NPR - Metal Reflector with clip-fit end elements, NPA - Asymmetric Metal Reflector, NPLT - Aligner for NPT – NPR – NPA Reflectors, TCGR - End Cap.

Lamp

- Luminaire is supplied without lamp.

Dimensions [mm]

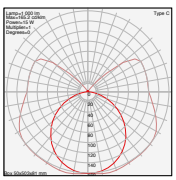


Lamp qty & type	Length [mm]	Fixing holes distance [mm]	Height [mm]	Width [mm]
14W				
1 x 14W T5 LFL	573	420	91	50
21W				
1 x 21W T5 LFL	873	720	91	50
2 x 21W T5 LFL	873	720	91	93
24W				
1 x 24W T5 LFL	573	420	91	50
28W				
1 x 28W T5 LFL	1173	640	91	50
2 x 28W T5 LFL	1173	640	91	93
35W				
1 x 35W T5 LFL	1473	870	91	50
2 x 35W T5 LFL	1473	870	91	93
39W				
1 x 39W T5 LFL	873	720	91	50
2 x 39W T5 LFL	873	720	91	93
49W				
1 x 49W T5 LFL	1473	870	91	50
2 x 49W T5 LFL	1473	870	91	93
54W				
1 x 54W T5 LFL	1173	640	91	50
2 x 54W T5 LFL	1173	640	91	93
80W				
1 x 80W T5 LFL	1473	870	91	50
2 x 80W T5 LFL	1473	870	91	93

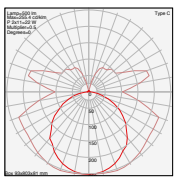
Suspended

Industrial Car park Retail

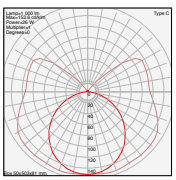
Photometric data



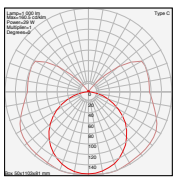
N-PACK NPQ 1 x 14W T5 LFL
(88591)



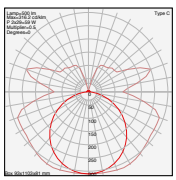
N-PACK NPQ 1 x 21W T5 LFL
(88588)



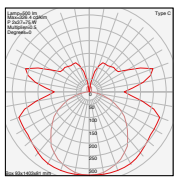
N-PACK NPQ 1 x 24W T5 LFL
(88590)



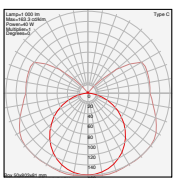
N-PACK NPQ 1 x 28W T5 LFL
(88585)



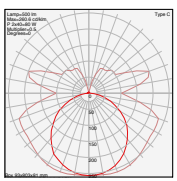
N-PACK NPQ 2 x 28W T5 LFL
(88584)



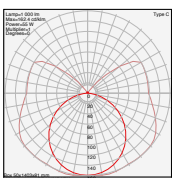
N-PACK NPQ 2 x 35W T5 LFL
(88581)



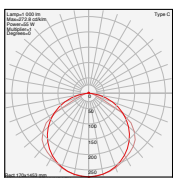
N-PACK NPQ 1 x 39W T5 LFL
(88587)



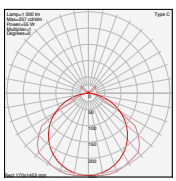
N-PACK NPQ 1 x 39W T5 LFL
(88586)



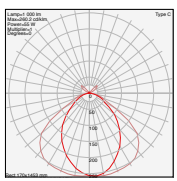
N-PACK NPQ 1 x 49W T5 LFL
(88580)



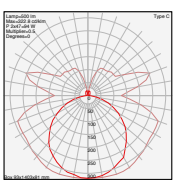
N-PACK NPQ 1 x 49W T5 LFL
(88580) + Symmetrical Metal
reflector (73462)



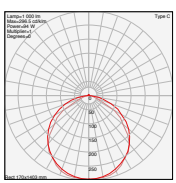
N-PACK NPQ 1 x 49W T5 LFL
(88580) + Symmetrical Metal
reflector with clip-fit end elements
(73466)



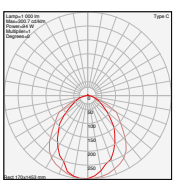
N-PACK NPQ 1 x 49W T5 LFL
(88580) + Symmetrical Metal
reflector with clip-fit end elements
(73466) + Metal louvre (73474)



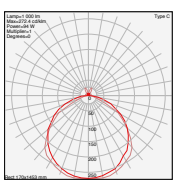
N-PACK NPQ 2 x 49W T5 LFL
(88579)



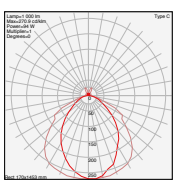
N-PACK NPQ 2 x 49W T5 LFL
(88579) + Symmetrical Metal
reflector (73462)



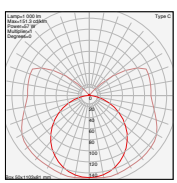
N-PACK NPQ 2 x 49W T5 LFL
(88579) + Symmetrical Metal
reflector (73462) + Metal louvre
(73474)



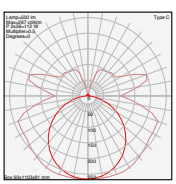
N-PACK NPQ 2 x 49W T5 LFL
(88579) + Symmetrical Metal
reflector with clip-fit end elements
(73466)



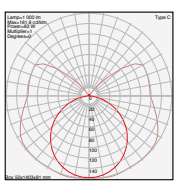
N-PACK NPQ 2 x 49W T5 LFL
(88579) + Symmetrical Metal
reflector with clip-fit end elements
(73466) + Metal louvre (73474)



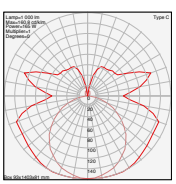
N-PACK NPQ 1 x 54W T5 LFL
(88583)



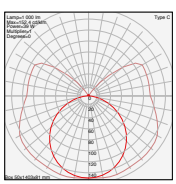
N-PACK NPQ 2 x 54W T5 LFL
(88582)



N-PACK NPQ 1 x 80W T5 LFL
(88578)



N-PACK NPQ 2 x 80W T5 LFL
(88577)



N-PACK NPQ 1 x 35W T5 LFL
(88562)

T5 NPQ specification

Mounting type	Surface mounted / NAL
Reflector	Under accessories
Class	Class 1
Operating Temperature [°C]	25

T5 NPQ product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 14	NL N-PACK NPQ114EB T5 LL 220-240 GE	1 x 14W T5 LFL	No	0.5	No	1	White	220-240V	IP40	88591
2 x 21	NL N-PACK NPQ221EB T5 LL 220-240 GE	2 x 21W T5 LFL	No	0.8	No	1	White	220-240V	IP40	88588
1 x 24	NL N-PACK NPQ124EB T5 LL 220-240 GE	1 x 24W T5 LFL	No	0.8	No	1	White	220-240V	IP40	88590
1 x 28	NL N-PACK NPQ128EB T5 LL 220-240 GE	1 x 28W T5 LFL	No	0.9	No	1	White	220-240V	IP40	88585
2 x 28	NL N-PACK NPQ228EB T5 LL 220-240 GE	2 x 28W T5 LFL	No	1	No	1	White	220-240V	IP40	88584
1 x 35	NL N-PACK NPQ135EB EES LL 220-240V GE	1 x 35W T5 LFL	No	1.9	No	1	White	220-240V	IP40	75074
2 x 35	NL N-PACK NPQ235EB T5 LL 220-240 GE	2 x 35W T5 LFL	No	1.2	No	1	White	220-240V	IP40	88581
1 x 39	NL N-PACK NPQ139EB T5 LL 220-240 GE	1 x 39W T5 LFL	No	0.8	No	1	White	220-240V	IP40	88587
2 x 39	NL N-PACK NPQ239EB T5 LL 220-240 GE	2 x 39W T5 LFL	No	0.8	No	1	White	220-240V	IP40	88586
1 x 49	NL N-PACK NPQ149EB T5 LL 220-240 GE	1 x 49W T5 LFL	No	1.1	No	1	White	220-240V	IP40	88580
2 x 49	NL N-PACK NPQ249EB T5 LL 220-240 GE	2 x 49W T5 LFL	No	1.2	No	1	White	220-240V	IP40	88579
1 x 54	NL N-PACK NPQ154EB T5 LL 220-240 GE	1 x 54W T5 LFL	No	0.9	No	1	White	220-240V	IP40	88583
2 x 54	NL N-PACK NPQ254EB T5 LL 220-240 GE	2 x 54W T5 LFL	No	1	No	1	White	220-240V	IP40	88582
1 x 80	NL N-PACK NPQ180EB T5 LL 220-240 GE	1 x 80W T5 LFL	No	1.2	No	1	White	220-240V	IP40	88578
2 x 80	NL N-PACK NPQ280EB T5 LL 220-240 GE	2 x 80W T5 LFL	No	1.3	No	1	White	220-240V	IP40	88577

T5 NPQ Accessories

Product code	Picture	Description	1 x 14W 88591	1 x 21W 88588	1 x 24W 88590	1 x 28W 88585	2 x 28w 88584	1 x 35W 75074	2 x 35W 88581	1 x 39W 88587	2 x 39W 88586	1 x 49W 88580	2 x 49W 88579	1 x 54W 88583	2 x 54W 88582	1 x 80W 88578	2 x 80W 88577
73455		Symmetrical Metal reflector NL NPACK NPT 1X14-24 REFLECTOR GE	•		•												
73456		Symmetrical Metal reflector NL NPACK NPT 1X21-39 REFLECTOR GE		•						•							
73457		Symmetrical Metal reflector NL NPACK NPT 1X28-54 REFLECTOR GE				•											
73458		Metal reflector NL NPACK NPT 1X35-49-80 REFLECTOR GE						•				•				•	
73459		Symmetrical Metal reflector NL NPACK NPT 1/2X14-24 REFLECTOR GE	•		•												
73460		Symmetrical Metal reflector NL NPACK NPT 1/2X21-39 REFLECTOR GE		•						•	•						
73461		Symmetrical Metal reflector NL NPACK NPT 1/2X28-54 REFLECTOR GE				•	•							•	•		
73462		Symmetrical Metal reflector NL NPACK NPT 1/2X35-49-80 REFLECTOR GE						•	•			•	•			•	•
73463		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X14-24 REFLECTOR GE	•		•												
73464		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X21-39 REFLECTOR GE		•						•	•						
73465		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X28-54 REFLECTOR GE				•	•							•	•		

Product code	Picture	Description	1 x 14W 88591	1 x 21W 88588	1 x 24W 88590	1 x 28W 88585	2 x 28w 88584	1 x 35W 75074	2 x 35W 88581	1 x 39W 88587	2 x 39W 88586	1 x 49W 88580	2 x 49W 88579	1 x 54W 88583	2 x 54W 88582	1 x 80W 88578	2 x 80W 88577
73466		Symmetrical Metal reflector with clip-fit end elements NL NPACK NPR 1/2X35-49-80 REFLECTOR GE						•	•			•	•			•	•
73467		Asymmetrical Metal reflector NL NPACK NPA 1X14-24 REFLECTOR GE	•		•												
73468		Asymmetrical Metal reflector NL NPACK NPA 1X21-39 REFLECTOR GE		•						•	•						
73469		Asymmetrical Metal reflector NL NPACK NPA 1X28-54 REFLECTOR GE				•	•							•	•		
73470		Asymmetrical Metal reflector NL NPACK NPA 1X35-49-80 REFLECTOR GE						•	•			•	•			•	•
73471		Metal louvre NL NPACK NPGR 1/2X14-24 LOUVRE GE	•		•												
73472		Metal louvre NL NPACK NPGR 1/2X21-39 LOUVRE GE		•						•	•						
73473		Metal louvre NL NPACK NPGR 1/2X28-54 LOUVRE GE				•	•							•	•		
73474		Metal louvre NL NPACK NPGR 1/2X35-49-80 LOUVRE GE						•	•							•	•
45311		Aligner for all metal reflectors NL N-PACK NPLT ALIGNER GE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
62571		End cap for all metal reflectors NL N-PACK TCGR TESTATE ENDCAP GE	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

T5 NPQ Accessories description

NPT - Metal Reflector

Complete downlight diffusion. Cold-rolled, phosphate white epoxy polyester powder coated steel (thickness: 0.5mm). Continuous row mounting is possible with the NPLT Aligner.

NPR - Metal Reflector with clip-fit end elements

The reflector is designed to avoid "tunnel" effect and eye fatigue caused by impaired lighting (bright light on work bench and low light on the ceiling). The reflector is cold-rolled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Continuous row mounting is possible with NPLT Aligner.

NPA - Asymetric Metal Reflector

This accessory makes it possible to obtain 100% downward light diffusion. Made of 5/10 gauge sheet steel with a white phosphate epoxy polyester powder coated paint. The reflector can be installed in continuous rows using the NPLT aligner.

NPGR - Metal Louvre

This can be clipped in NPT twin-lamp and NPR single-lamp. Closed at both ends by snap devices (supplied). Reflector is cold-milled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Combination of good shielding and high light output. Need to order NPT and NPR reflector separately.

TCGR - End cap

Manufactured from polycarbonate, for NPT twin-lamp and NPR single-lamp reflectors. Customers need to order NPT and NPR reflector separately.

NPLT - Aligner for Reflectors

Manufactored from polycarbonate; snaps in. Customers need to order NPT/NPA and NPR reflector separately.

T8 NPQ



IP40 IP40 1.6-4.65 KG F

Lighting fittings for T8 fluorescent lamps suitable for large areas e.g. retail, warehouse applications. It is an ideal solution for ceiling installations. In addition, NPQ is fully compatible with the NAL trunking system.

Structures and materials

- **Body:** Cold-milled, phosphate white epoxy polyester powder coated steel sheet.
- **Colour:** White.
- **Lamp holder:** Polycarbonate, fixed to body by safety clip.
  Ring nuts for IP40 and to prevent lamp failure.

Electrical and gear compartment

- Magnetic and electronic types are available. Magnetic Ballast low-loss 230V/50Hz with incorporated protected discharge resistance capacitor. Electronic Ballast (EB) is 230-240V/50- 60Hz. Available with fireproof wires, connector with fuse and screw terminals for conductors up to 2.5mm^2.

Installation/ Maintenance

CCable entry using a dedicated hole in body Ø18mm grommet or through knockouts at the end of the fittings.
Surface mounting installation by the supplied accessories.
Fast electric wiring in NAL Trunking system: One clamp anchored to ballast for fast electric wiring. NAL 1652 connector (not supplied) to be pre-installed in the track. Further details can be found under the NAL Trunking system.

Fast mechanic installation in NAL Trunking system: nut attached to body, a split pin co-axial to the nut and a spring coupling to channel system. Further details can be found under the NAL Trunking system.

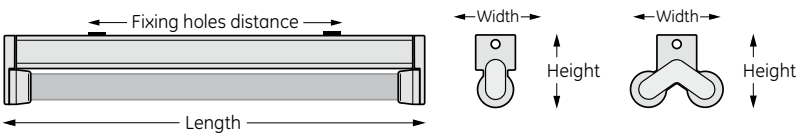
Lamp

- Luminaire is supplied without lamp.

Accessories

- A wide-choice of accessories are available, Reflectors (NPGR)
- NPT – Metal Reflector, NPR - Metal Reflector with clip-fit end elements, NPA - Asymmetric Metal Reflector, NPLT - Aligner for NPT – NPR – NPA Reflectors, TCGR - End Cap.

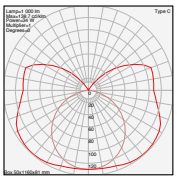
Dimensions [mm]

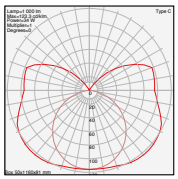


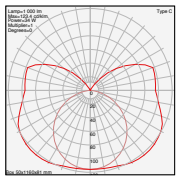
Lamp qty & type	Length [mm]	Fixing holes distance [mm]	Height [mm]	Width [mm]
18W				
1 x 18W T8 LFL	620	470	91	50
2 x 18W T8 LFL	620	470	91	116
30W				
1x 30W T8 LFL	925	605	91	50
36W				
1 x 36W T8 LFL	1230	800	91	50
2 x 36W T8 LFL	1230	800	91	116
58W				
1 x 58W T8 LFL	1530	800	91	50
2 x 58W T8 LFL	1530	800	91	116

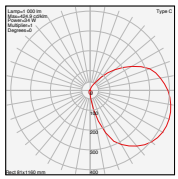
Industrial Car park Retail

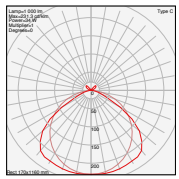
Photometric data

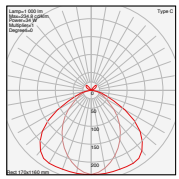

N-PACK NPQ 1 x 36W T8 LFL (43484)

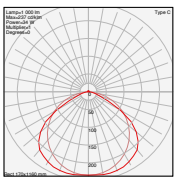

N-PACK NPQ 1 x 36W T8 LFL (43484) + Prismatic guard (32093)

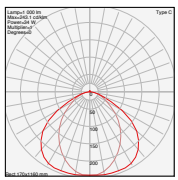

N-PACK NPQ 1 x 36W T8 LFL (43484) + Tube guard (38436)

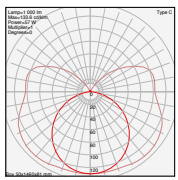

N-PACK NPQ 1 x 36W T8 LFL (43484) + Asymmetrical Metal reflector (44062)

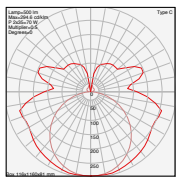

N-PACK NPQ 1 x 36W T8 LFL (43484) + Symmetrical Metal reflector with clip-fit end elements (44080)

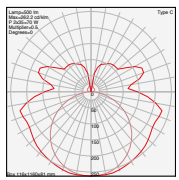

N-PACK NPQ 1 x 36W T8 LFL (43484) + Symmetrical Metal reflector with clip-fit end elements (44080) + Metal louvre (44088)

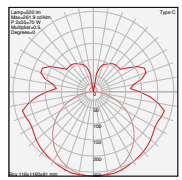

N-PACK NPQ 1 x 36W T8 LFL (43484) + Symmetrical Metal reflector (44083)

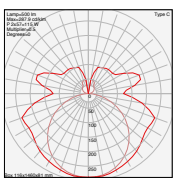

N-PACK NPQ 1 x 36W T8 LFL (43484) + Symmetrical Metal reflector (44083) + Metal louvre (44088)

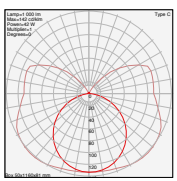

N-PACK NPQ 1 x 58W T8 LFL (43486)

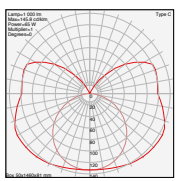

N-PACK NPQ 2 x 36W T8 LFL (43488)

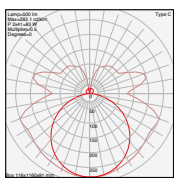

N-PACK NPQ 2 x 36W T8 LFL (43488) + Prismatic guard (32093)

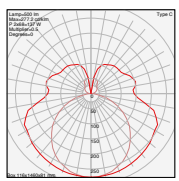

N-PACK NPQ 2 x 36W T8 LFL (43488) + Tube guard (38436)


N-PACK NPQ 2 x 58W T8 LFL (43489)


N-PACK NPQ 1 x 36W T8 LFL (43493)


N-PACK NPQ 1 x 58W T8 LFL (43500)


N-PACK NPQ 2 x 36W T8 LFL (43502)


N-PACK NPQ 2 x 58W T8 LFL (43502)

T8 NPQ product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Emergency option	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 36	NL N-PACK NPQ136EB LL 230 GE	1 x 36W T8 LFL	No	1.6	No	1	White	220-240V	IP40	43484
1 x 36	NL NPACK NPQ136HEES LL 230 GE	1 x 36W T8 LFL	No	2.25	For 1 hour	1	White	230V	IP40	43485
1 x 58	NL N-PACK NPQ158EB LL 230 GE	1 x 58W T8 LFL	No	2.0	No	1	White	220-240V	IP40	43486
1 x 58	NL NPACK NPQ158HEES LL 230 GE	1 x 58W T8 LFL	No	2.8	For 1 hour	1	White	230V	IP40	43487
2 x 36	NL N-PACK NPQ236EB LL 230 GE	2 x 36W T8 LFL	No	2.1	No	1	White	220-240V	IP40	43488
2 x 58	NL N-PACK NPQ258EB LL 230 GE	2 x 58W T8 LFL	No	2.7	No	1	White	220-240V	IP40	43489
2 x 58	NL NPACK NPQ258HEES LL 230 GE	2 x 58W T8 LFL	No	4.65	For 1 hour	1	White	230V	IP40	43491

T8 NPQ specification

Mounting type	Surface mounted / NAL
Reflector	Under accessories
Class	Class 1
Operating Temperature [°C]	25

T8 NPQ Accessories

Product code	Picture	Description	1 x 36W 43484 43485	2 x 36W 43488	1 x 58w 43486 43487	2 x 58W 43489 43491
44082		Symmetrical Metal reflector NL N-PACK NPT4 REFLECTOR GE	•			
44086		Symmetrical Metal reflector NL N-PACK NPT5 REFLECTOR GE			•	
44083		Symmetrical Metal reflector NL N-PACK NPT24 REFLECTOR GE	•	•		
44087		Symmetrical Metal reflector NL N-PACK NPT25 REFLECTOR GE			•	•
44080		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR4 REFLECTOR GE	•	•		
44081		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR5 REFLECTOR GE			•	•
44061		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR24 REFLECTOR GE		•		
44085		Symmetrical Metal reflector with clip-fit end elements NL N-PACK NPR25 REFLECTOR GE				•
44062		Asymmetrical Metal reflector NL N-PACK NPA4 REFLECTOR GE	•			
44063		Asymmetrical Metal reflector NL N-PACK NPA5 REFLECTOR GE			•	
44088		Metal louvre NL N-PACK NPGR24 LOUVRE GE	•	•		
44089		Metal louvre NL N-PACK NPGR25 LOUVRE GE			•	•
32093		Prismatic guard OL N-PACK NPGT4 PROTECTION TUBE GE	•	•		

Product code	Picture	Description	1 x 36W 43484 43485	2 x 36W 43488	1 x 58w 43486 43487	2 x 58W 43489 43491
32095		Prismatic guard OL N-PACK NPGT5 PROTECTION TUBE GE			•	•
38436		Tube guard OL N-PACK NPGTL4 PROTECTIVE TUBE GE	•	•		
38437		Tube guard OL N-PACK NPGTL5 PROTECTIVE TUBE GE			•	•
44065		Metal guard NPS/P NL N-PACK NPSP4 WIREGUARD GE	•			
44066		Metal guard NPS/P NL N-PACK NPSP5 WIREGUARD GE			•	
44068		Metal guard NPS/P NL N-PACK NPSP24 WIREGUARD GE		•		
44069		Metal guard NPS/P NL N-PACK NPSP25 WIREGUARD GE				•
44071		Metal guard NPS/Q NL N-PACK NPSQ4 WIREGUARD GE	•			
44084		Metal guard NPS/Q NL N-PACK NPSQ5 WIREGUARD GE			•	
44073		Metal guard NPS/Q NL N-PACK NPSQ24 WIREGUARD GE		•		
44074		Metal guard NPS/Q NL N-PACK NPSQ25 WIREGUARD GE				•
45311		Aligner NL N-PACK NPLT ALIGNER GE	•	•	•	•
62571		End cap NL N-PACK TCGR TESTATE ENDCAP GE	•	•	•	•

T8 NPQ Accessories description

NPT - Metal Reflector

Complete downlight diffusion. Cold-rolled, phosphate white epoxy polyester powder coated steel (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner.

NPR - Metal Reflector with clip-fit end elements

The reflector is designed to avoid "tunnel" effect and eye fatigue caused by impaired lighting (bright light on work bench and low light on the ceiling). The reflector is cold-rolled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). Continuous row mounting possible with NPLT Aligner.

NPA - Asymetric metal reflector

This accessory makes it possible to obtain 100% downward light diffusion. Made of 5/10 gauge sheet steel with a white phosphate epoxy polyester powder coated paint. The reflector can be installed in continuous rows using the NPLT Aligner.

NPGR - Metal louvre

This can be clipped in NPT twin-lamp and NPR single-lamp. Closed at both ends by snap devices (supplied). Reflector is cold-milled, phosphate, white epoxy polyester powder coated steel sheet (thickness: 0.5mm). It provides a combination of good shielding and high light output. Costumers need to order NPT and NPR reflectors separately.

TCGR - End cap

Made of polycarbonate, for NPT twin-lamp and NPR single-lamp reflectors. Customers need to order NPT and NPR reflectors separately.

NPLT - Aligner for Reflectors

Manufactured from polycarbonate and simply snaps in to place. Customers need to order NPT/NPA and NPR reflectors separately.

NPGT/NPGTL T8 - Prismatic/tube-guard

Made of self-extinguishing, UV–stabilized, anti-yellowing, robust polycarbonate. Best for mounting N-PACK fittings in medium/large industrial plants. Mounting brackets included. Universal starter (FSU) should be replaced by safety fast starter (VIT 2) when using with tube guard.

NPS T8 - Metal guard

Made of arc-welded steel wire with clear zinc-plated finish. Swings open for easy lamp replacement. Two models available:

NPS/P: Nickel steel brackets anchored to the back of NPP fittings.

NPS/Q: Nickel steel brackets to be mounted on NPP fittings by fast threaded nut of anchoring system.

Eurobay





IP23-65 | IP65 | IK08 | 4-7.97 KG

Eurobay luminaires have been designed for interior applications and features a low-profile design, equipped with HPS or Metal Halide lamps of up to 400W. Version "CD" is also available, where an additional halogen lamp (100W) will light up and operate as long as the main discharge lamp can reach its rated power at switch on. Ideal for industrial and commercial environments, with medium-high installation heights.

Structures and materials

- **Main body:** Die-cast aluminium body with slide-adjustable steel suspension hook for balancing the fitting. The wiring box connected to the main body and manufactured from reinforced Polyamide fibreglass. The wiring box contains the lamp operating components, which are mounted on a removable galvanised steel plate. Accessed by way of a hinged door fitted with a neoprene gasket and secured by four stainless steel screws.
- **Colour:** Metal.
- **Reflectors - EBR & EBRD** (to order separately)
  High purity aluminium reflector 99.85% anodised, mirror-finish aluminium reflector ideal for clear bulbs. The reflector is fitted with a silicone gasket and secured to the main body by four screws. Designed to fit a wire guard and protective glass.

Lamp holder

- Plastic E40 version. The lampholder can be adjusted in 4 different positions to optimise light distribution in relation to the type of lamp used and the installation height.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Replace light source by removing diffuser, safety glass, wireguard.

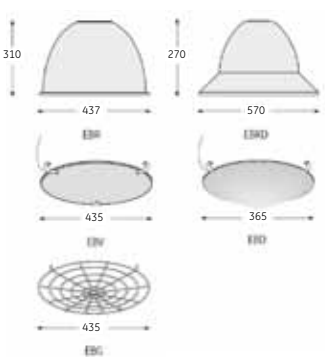
Accessories

- **EBV-Protective glass** (to order separately)
  Providing IP65 for luminaires. Tempered glass fixed to the reflector by three stainless steel clips; supplied with safety chain attached to the main body.
- **EBD-Diffuser Polycarbonate** (to order separately)
  Providing IP23 for open luminaires or luminaires with wire guard. UV-stabilized, self-extinguishing polycarbonate, fixed by 6 clips to the body.
- **EBG-Wire guard** (to order separately)
  Galvanised steel wire guard used in conjunction with the protective glass, and supplied complete with safety chain.

Lamp

- Complete with lamp. EBV protective glass is mandatory when luminaire is fitted with a Metal Halide lamp.

Optical assembly dimensions [mm]



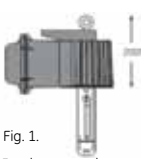
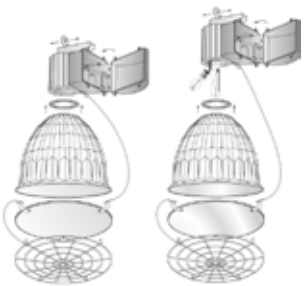


Fig. 1.
Eurobay gear-box without halogen lamp



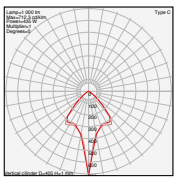
Fig. 2.
Eurobay gear-box with halogen lamp



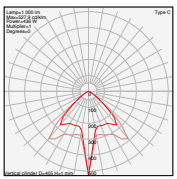
Instruction drawings for reflectors and optics

Industrial Retail

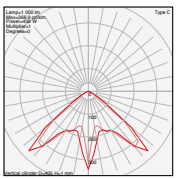
Photometric data



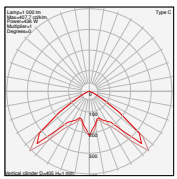
EUROBAY 1 x CMH 400W (42943) IN POS.1 + Reflector (10854) + EBV - Protective glass (43009)



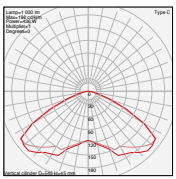
EUROBAY 1 x CMH 400W (42943) IN POS.2 + Reflector (10854) + EBV - Protective glass (43009)



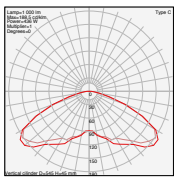
EUROBAY 1 x CMH 400W (42943) IN POS.3 + Reflector (10854) + EBV - Protective glass (43009)



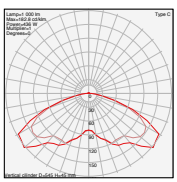
EUROBAY 1 x CMH 400W (42943) IN POS.4 + Reflector (10854) + EBV - Protective glass (43009)



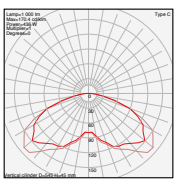
EUROBAY 1 x CMH 400W (42943) IN POS.1 + Flood reflector (17103) + EBD - DIFFUSER (43043)



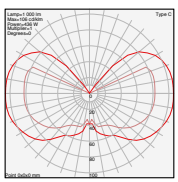
EUROBAY 1 x CMH 400W (42943) IN POS.1 + Flood reflector (17103) + EBD - DIFFUSER (43043)



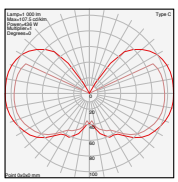
EUROBAY 1 x CMH 400W (42943) IN POS.1 + Flood reflector (17103) + EBD - DIFFUSER (43043)



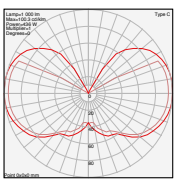
EUROBAY 1 x CMH 400W (42943) IN POS.1 + Flood reflector (17103) + EBD - DIFFUSER (43043)



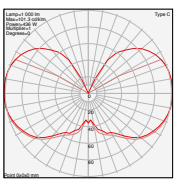
EUROBAY 1 x CMH 400W IN POS.1 (42943)



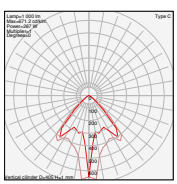
EUROBAY 1 x CMH 400W IN POS.2 (42943)



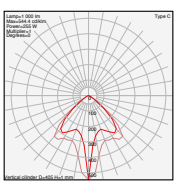
EUROBAY 1 x CMH 400W IN POS.3 (42943)



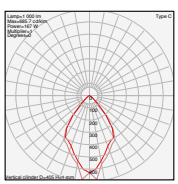
EUROBAY 1 x CMH 400W IN POS.4 (42943)



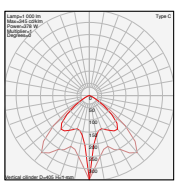
EUROBAY 1 x CMH 250W (42951) + Reflector (10854) + EBV - Protective glass (43009)



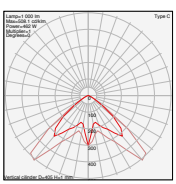
EUROBAY 1 x LU 250W (43026) + Reflector (10854) + EBV - Protective glass (43009)



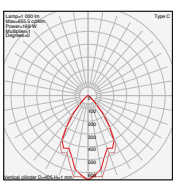
EUROBAY 1 x LU150W (43027) + Reflector (10854) + EBV - Protective glass (43009)



EUROBAY 1 x LU 400W (43031) + Reflector (10854) + EBV - Protective glass (43009)



EUROBAY 1 x KRC 400W (43032) + Reflector (10854) + EBV - Protective glass (43009)



EUROBAY 1 x CMH 150W (43045) + Reflector (10854) + EBV - Protective glass (43009)

Eurobay specification

Mounting type	Suspended
Reflector	Requires optical assembly
Class	Class II
Operating Temperature [°C]	25

Eurobay product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Electrical	IP Optical	Product code
1 x 150	NL EUROBAY EB150MCDCMH GY CWL 230V GE	1 x CMH 150W	CMH150	4	1	Metal	230V	IP65	IP23-65	43001
1 x 150	NL EUROBAY EB150SGY GREY CWL 230V GE	1 x LU 150W	HPS150	4.39	1	Metal	230V	IP65	IP23-65	43027
1 x 150	NL EUROBAY EB150MGYCMH GREY CWL 230V GE	1 x CMH 150W	CMH150	4.3	1	Metal	230V	IP65	IP23-65	43045
1 x 250	NL EUROBAY EB250MCDCMH GY CWL 230V GE	1 x CMH 250W	CMH250	5.6	1	Metal	230V	IP65	IP23-65	43000
1 x 250	NL EUROBAY EB250SCDGY GREY CWL 230V GE	1 x LU 250W	HPS250	5.6	1	Metal	230V	IP65	IP23-65	43017
1 x 250	NL EUROBAY EB250SGY GREY CWL 230V GE	1 x LU 250W	HPS250	6.08	1	Metal	230V	IP65	IP23-65	43026
1 x 250	NL EUROBAY EB250M CMH GY CWL 230V GE	1 x CMH 250W	CMH250	5.4	1	Metal	230V	IP65	IP23-65	42951
1 x 250	NL EUROBAY EB250MGY GREY CWL 230V GE	1 x ARC 250W	ARC250	6.04	1	Metal	230V	IP65	IP23-65	43035
1 x 400	NL EUROBAY EB400MCMH GY CWL 230V GE	1 x CMH 400W	CMH400	7.47	1	Metal	230V	IP65	IP23-65	42943
1 x 400	NL EUROBAY EB400MCDCMH GY CWL 230V GE	1 x CMH 400W	CMH400	6.8	1	Metal	230V	IP65	IP23-65	42952
1 x 400	NL EUROBAY EB400SCDGY GREY CWL 230V GE	1 x LU 400W	HPS400	6.8	1	Metal	230V	IP65	IP23-65	43015
1 x 400	NL EUROBAY EB400MCDGY GREY CWL 230V GE	1 x KRC 400W	KRC400	7.97	1	Metal	230V	IP65	IP23-65	43022
1 x 400	NL EUROBAY EB400SGY GREY CWL 230V GE	1 x LU 400W	HPS400	7.79	1	Metal	230V	IP65	IP23-65	43031
1 x 400	NL EUROBAY EB400MGY GREY CWL 230V GE	1 x KRC 400W	KRC400	7.63	1	Metal	230V	IP65	IP23-65	43032
1 x 400	NL EUROBAY EB250MCDGY GREY CWL 230V GE	1 x ARC 400W	ARC400	6.43	1	Metal	230V	IP65	IP23-65	43023

Eurobay Accessories

Product code	Picture	Description	CMH Lamps 42943 42951 42952 43000 43001 43045	HPS Lamps 43015 43017 43022 43023 43026 43027 43031 43032 43035
10854		Reflector OL EUROBAY EBR/N REFLECTOR GE	•	•
17103		Flood reflector OL EUROBAY EBRD REFLECTOR FLOOD GE	Mandatory	•
43009		EBV - Protective glass NL EUROBAY EBV PROTECTIVE GLASS GE	•	•
43010		EBG - Wireguard NL EUROBAY EBG WIREGUARD GE	•	•
43043		EBD - DIFFUSER NL EUROBAY EBD DIFFUSER FOR EBRD GE	•	•

Filterglow



IP65 | IP52 | IK08 | 8-13.1 KG

This luminaire is suitable for use in damp environments, with an enclosed and filtered optical assembly, for discharge lamps up to 1000W. An ideal solution for industrial lighting applications, including environments with a high level of dust and fumes; mounting height over 5 metres.

Structures and materials

- **Ballast housing**
  Available in two sizes: AG5 up to 1000W and AP5 up to 400W. Die-cast aluminium ballast housing, with grey polyester powder paint finish applied electrostatically . The sliding disconnector guarantees a simple and safe electrical and mechanical connection to the optical assembly. Protected against accidental contact, the connection system also facilitates maintenance operations.
- **Optical assembly - FG17 & FG22**
  The die-cast conical cover houses the E40 porcelain lamp socket. Available in 11 different socket positions, which can be easily changed on site with an ordinary screwdriver due to a die-cast inner spiral. The lamp socket is fitted with an anti-vibration device.
  The borosilicate glass top cone directs some light towards the upper hemisphere, providing a comfortable visual environment, lighting the ceilings and reducing the contrast between the luminaire and the surrounding environment. The faceted reflector reduces the glare of the lamp and it is available in two sizes: FG-17 for luminaires up to 400W and FG-22 up to 1000W. The tempered glass door is resistant to thermal and mechanical stress. Fixed in a metal ring with a silicone gasket, it is fitted with a hinge and stainless steel latches, which ensure easy removal.

Lamp holder

- Porcelain E40 version.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Easy to replace light source by removing diffuser.

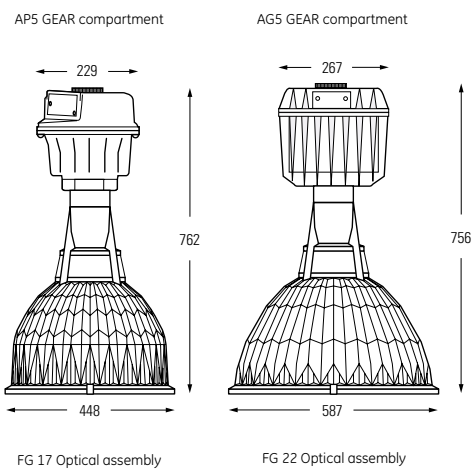
Accessories

- Hooks and mounting receptacles are available. IP65 hook is orderable as accessories.

Lamp

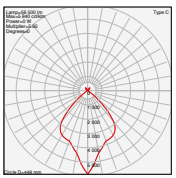
- Luminaire is supplied without lamp.

Optical assembly dimensions [mm]

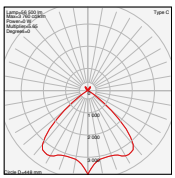


Industrial

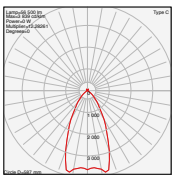
Photometric data



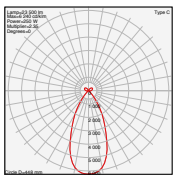
Filterglow 1 x 400W LU/XO/T/40 IN POS.5 (519644) + FG17 OPTICAL ASSEMBLY (519649)



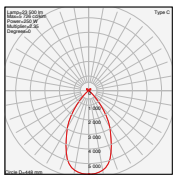
Filterglow 1 x 400W LU/XO/T/40 IN POS.3 (519644) + FG17 OPTICAL ASSEMBLY (519649)



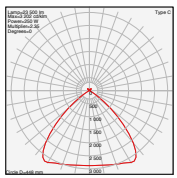
Filterglow 1 x 400W LU/XO/T/40 IN POS.2 (519644) + FG22 OPTICAL ASSEMBLY (519653)



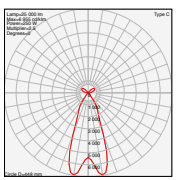
Filterglow 1 x 250W CMH/T/U/830 IN POS.11 (519646) + FG17 OPTI-CAL ASSEMBLY (519649)



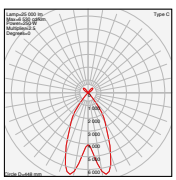
Filterglow 1 x 250W CMH/T/ U/830/D IN POS.11 (519646) + FG17 OPTICAL ASSEMBLY (519649)



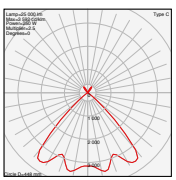
Filterglow 1 x 250W CMH/T/U/830 IN POS.7 (519646) + FG17 OPTICAL ASSEMBLY (519649)



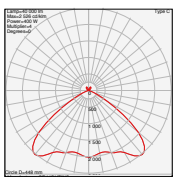
Filterglow 1 x 250W CMH/T/ U/830/D IN POS.7 (519646) + FG17 OPTICAL ASSEMBLY (519649)



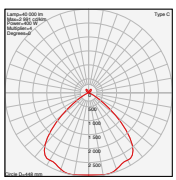
Filterglow 1 x 250W CMH/T/U/830 IN POS.1 (519646) + FG17 OPTICAL ASSEMBLY (519649)



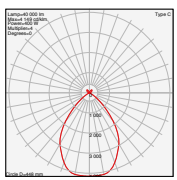
Filterglow 1 x 250W CMH/T/ U/830/D IN POS.1 (519646) + FG17 OPTICAL ASSEMBLY (519649)



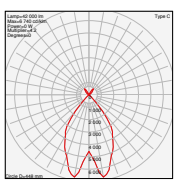
Filterglow 1 x 400W CMH/E/ U/830/D IN POS.3 (519648) + FG17 OPTICAL ASSEMBLY (519649)



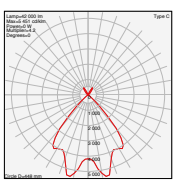
Filterglow 1 x 400W CMH/E/ U/830/D IN POS.7 (519648) + FG17 OPTICAL ASSEMBLY (519649)



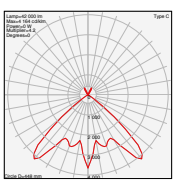
Filterglow 1 x 400W CMH/E/ U/830/D IN POS.11 (519648) + FG17 OPTICAL ASSEMBLY (519649)



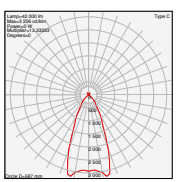
Filterglow 1 x 400W CMH/t/U/830/ IN POS.11 (519648) + FG17 OPTICAL ASSEMBLY (519649)



Filterglow 1 x 400W CMH/t/U/830/ IN POS.9 (519648) + FG17 OPTICAL ASSEMBLY (519649)



Filterglow 1 x 400W CMH/t/U/830/ IN POS.5 (519648) + FG17 OPTICAL ASSEMBLY (519649)



Filterglow 1 x 400W CMH/t/U/830/ IN POS.7 (519648) + FG22 OPTICAL ASSEMBLY (519653)

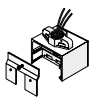
Filterglow product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Electrical	IP Optical	Product code
1 x 250	GEAR BOX FG AP5 CMH 250 T U 230V 50Hz	1 x 250W CMH	No	8.1	1	Grey	230V	IP52	IP65	519646
1 x 250	GEAR BOX FG AP5 MH 250W 230V 50HZ	1 x 250W MVR	No	8	1	Grey	230V	IP52	IP65	519645
1 x 400	GEAR BOX FG AP5 HPS 400W 230V 50Hz	1 x 400W LU	No	8.1	1	Grey	230V	IP52	IP65	519644
1 x 400	GEAR BX FG AP5 CMH 400 T VBU 230V50Hz	1 x 400W CMH	No	8.1	1	Grey	230V	IP52	IP65	519648
1 x 400	GEAR BOX FG AP5 MH 400W 230V 50HZ	1 x 400W MVR	No	9.6	1	Grey	230V	IP52	IP65	519647
1 x 600	GEAR BOX FG AG5 HPS 600W 230V 50Hz	1 x 600W LU	No	10.3	1	Grey	230V	IP52	IP65	519650
1 x 1000	GEAR BOX FG AG5 MH1000W 230V 50HZ	1 x 1000W MVR	No	13.1	1	Grey	230V	IP52	IP65	519652

Filterglow specification

Mounting type	Suspended
Reflector	Requires optical Assembly
Class	Class 1
Operating Temperature [°C]	25

Filterglow Accessories

Product code	Picture	Description	AP5 HPS 400W 519644	AP5 CMH 250W 519646	AP5 CMH 400W 519648	AG5 HPS 600W 519650	AP5 MVR 250W 519645	AP5 MVR 400W 519647	AG5 HPS 1000W 519652
519649		Optical assembly FG-17 OPTICAL ASSEMBLY	•	•	•		•	•	
519653		Optical assembly FG-22 OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519461		Mounting receptacle CAJA DE CONEXION A2	•	•	•	•	•	•	•
519701		Hook COLGADOR HOOKM	•	•	•	•	•	•	•
519702		Hook COLGADOR HOOKM IP65	•	•	•	•	•	•	•

Versabeam



IP52 IP52 IK08 1.32-15.9 KG

Enclosed luminaire, suitable for damp environments for discharge lamps. The acrylic diffuser has a technologically innovative design which, thanks to the combined reflection and refraction prisms, guarantees a high level of efficiency and extraordinary illumination of vertical surfaces, with great visual comfort. Particularly suitable for sport, commercial and industrial applications, including environments with a high level of dust and fumes; mounting heights from 4 to 10 metres.

Structures and materials

- **Ballast housing**
  Ballast housing for discharge lamps. Die-cast aluminium ballast housing, with grey polyester powder paint finish applied electrostatically and cured at 180°C over an anti-corrosion layer. Easy installation using a 3/4" NPSC threaded hub, which is located in the housing and is resistant to vibrations.
- **Optical assembly**
  Aluminium spun reflector acting as a support for the acrylic reflector/ refractor. Technologically innovative acrylic prismatic diffuser, injection moulded and UV stabilised. This can be removed without the need of tools to facilitate replacement of the lamp and is joined to the top aluminium reflector by a hinge and latches.
  EPDM gasket located between the acrylic diffuser and the top aluminium reflector, to guarantee the hermeticity of the optical assembly. Porcelain E40 lamp socket. Internal borosilicate glass refractor with total reflection prisms.

Lamp holder

- Porcelain E40 version.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Easy to replace light source by removing diffuser.

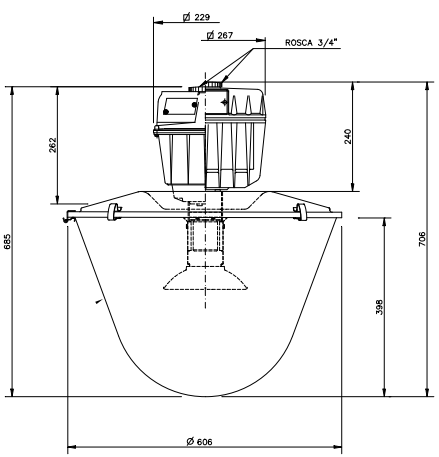
Accessories

- Hooks and mounting receptacles are availalable.

Lamp

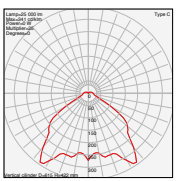
- Luminaire is supplied without lamp.

Dimensions [mm]

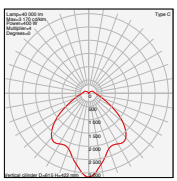


Industrial

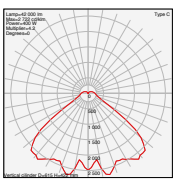
Photometric data



Versabeam 1 x 250W CMH/T/U/830 IN POS.G+0.75 (519655) + VSB OPTICAL ASSEMBLY (519649)



Versabeam 1 x 400W CMH/E/ U/830/D IN POS.A (519657) + VSB OPTICAL ASSEMBLY (519649)



Versabeam 1 x 400W CMH/T/U/830 IN POS.A (519657) + VSB OPTICAL ASSEMBLY (519649)

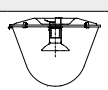
Versabeam specification

Mounting type	Suspended
Reflector	Requires optical Assembly
Class	Class 1
Operating Temperature [°C]	25

Versabeam product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 250	GEAR BXUG-VSB AP5 CMH250 T U 230V50Hz	1 x 250W CMH	No	9.9	1	Grey	230V	IP52	519655
1 x 400	GEAR BOX UG-VSB AP5 HPS 400W 230V50Hz	1 x 400W LU	No	8.55	1	Grey	230V	IP52	519654
1 x 400	GEAR BXUG-VSB AP5CMH400 T VBU230V50Hz	1 x 400W CMH	No	1.32	1	Grey	230V	IP52	519657
1 x 400	GEAR BOX UG-VSB AP5 MH 400W 230V 50HZ	1 x 400W MVR	No	9.9	1	Grey	230V	IP52	519656
1 x 600	GEAR BOX UG-VSB AG5 HPS 600W 230V50Hz	1 x 600W LU	No	15.9	1	Grey	230V	IP52	519660
1 x 1000	GEAR BX UG-VSB AG5 HPS 1000W 230V50Hz	1 x 1000W LU	No	2.25	1	Grey	230V	IP52	519661
1 x 1000	GEAR BOX UG-VSB AG5 MH1000 230V 50HZ	1 x 1000W MVR	No	12.1	1	Grey	230V	IP52	519662

Versabeam Accessories

Product code	Picture	Description	AP5 HPS 400W 519654	AP5 CMH 250W 519655	AP5 CMH 400W 519657	AG5 HPS 600W 519660	AG5 HPS 1000W 519661	AP5 MH 400W 519656	AG5 MH 1000W 519662
519649		Optical assembly VSB OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519461		Mounting receptacle CAJA DE CONEXION A2	•	•	•	•	•	•	•
519701		Hook COLGADOR HOOKM	•	•	•	•	•	•	•
519702		Hook COLGADOR HOOKM IP65	•	•	•	•	•	•	•

Low mount



IP54 | IP54 | IK08 | 2.1-11.2 KG

Enclosed luminaire for damp environments, with charcoal filtered optical assembly for discharge lamps. The exclusive design of the faceted reflector and prismatic refractor gives low glare combined with high visual comfort. Suitable for use in factories, foundries, textile, metal, chemical, rubber, food and cement plants, and railway stations. Mounting height between 2.5 and 8 metres.

Structures and materials

- **Ballast housing**
  Body in die-cast aluminium, with grey polyester powder paint finish applied electrostatically. Easy installation using a central 3/4" NPSC anti-vibration threaded hub. Activated charcoal filter for the optical assembly. EPDM gasket supporting the optical assembly.
- **Optical assembly**
  Aluminium faceted reflector. UV stabilised acrylic prismatic reflector offering high visual comfort thanks to uniform light distribution over the whole surface. EPDM gasket located between the aluminium reflector and the acrylic refractor (model LOW only); in model LOW-250 the reflector and the refractor are fastened together and joined with a silicone seal.
  In the LOW version it is fitted base down to reduce glare; in this case a disconnector is provided to cut off the power supply when the optical assembly is opened. The optical assembly can be opened without using tools, thanks to the stainless steel hinge and latches.

Lamp holder

- E40 porcelain lamp socket.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Easy to replace light source by removing diffuser.

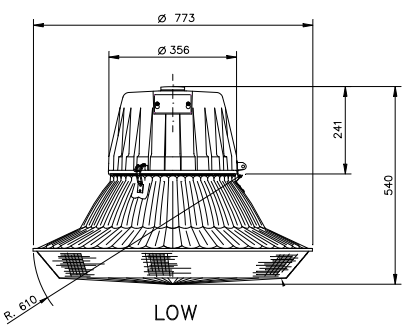
Accessories

- Hooks and mounting receptacles are availalable.

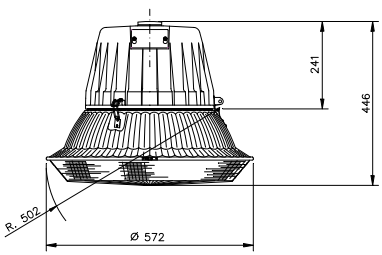
Lamp

- Luminaire is supplied without lamp.

Dimensions [mm]



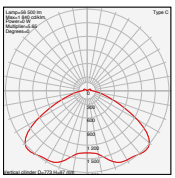
LOW

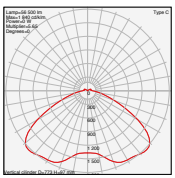


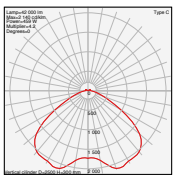
LOW–250

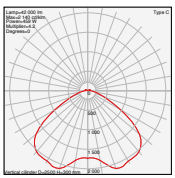
Industrial

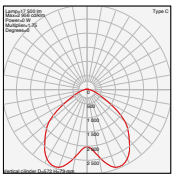
Photometric data

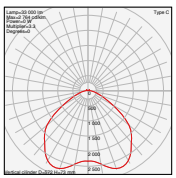

Low Mount 1 x 250W LU
(519666)

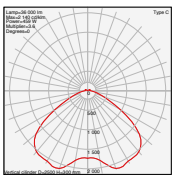

Low Mount 1 x 400W CMH
(519667)

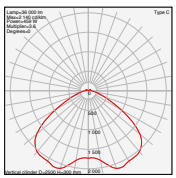

Low Mount 1 x 250W CMH
(519669)

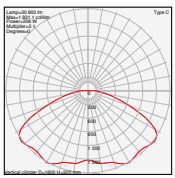

Low Mount 1 x 400W CMH
(519671)


Low Mount 1 x 250W LU
(519673)


Low Mount 1 x 250W LU
(519674)


Low Mount 1 x 250W MVR
(519668)


Low Mount 1 x 400W MVR
(519670)


Low Mount 1 x 250W MVR
(519677)

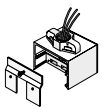
Low mount specification

Mounting type	Suspended
Reflector	Requires optical Assembly
Class	Class 1
Operating Temperature [°C]	25

Low mount product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 250	GEAR BOX LOW HPS 250W 230V 50Hz	1 x 250W LU	No	9.9	1	Grey	230V	IP54	519666
1 x 250	GEAR BOX LOW CMH 250 T U 230V 50Hz	1 x 250W CMH	No	9.9	1	Grey	230V	IP54	519669
1 x 250	GEAR BOX LOW-250 HPS 150W 230V 50Hz	1 x 250W LU	No	9.6	1	Grey	230V	IP54	519673
1 x 250	GEAR BOX LOW-250 HPS 250W 230V 50Hz	1 x 250W LU	No	2.1	1	Grey	230V	IP54	519674
1 x 250	GEAR BOX LOW MH 250W 230V 50HZ	1 x 250W MVR	No	9.6	1	Grey	230V	IP54	519668
1 x 250	GEAR BOX LOW-250 MH 250W 230V 50HZ	1 x 250W MVR	No	11.2	1	Grey	230V	IP54	519677
1 x 400	GEAR BOX LOW HPS 400W 230V 50Hz	1 x 400W CMH	No	9	1	Grey	230V	IP54	519667
1 x 400	GEAR BOX LOW CMH 400 T VBU 230V 50Hz	1 x 400W CMH	No	5.4	1	Grey	230V	IP54	519671
1 x 400	GEAR BOX LOW MH 400W 230V 50HZ	1 x 400W MVR	No	11.2	1	Grey	230V	IP54	519670

Low mount Accessories

Product code	Picture	Description	HPS 250W 519666	HPS 400W 519667	CMH 250W 519669	CMH 400W 519671	HPS 150W 519673	HPS 250W 519674	MVR 250W 519668	MVR 400W 519670	MVR 250W 519677
519672		Optical assembly - LOW type LOW OPTICAL ASSEM (DIFF & REF ASS)	•	•	•	•			•	•	
519679		Optical assembly - LOW-250 type LOW-250 OPTICAL ASSEM (DIFF& REF ASS)					•	•			•
519461		Mounting receptacle @CAJA DE CONEXION A2	•	•	•	•	•	•	•		
519701		Hook COLGADOR HOOKM	•	•	•	•	•	•	•		
519702		Hook COLGADOR HOOKM IP65	•	•	•	•	•	•	•		

Conserva



IP54 IP54 IK08 5.15-10.5 KG

Conserva provides an enclosed luminaire suitable for damp environments and discharge lamps. The exclusive design of the faceted reflector and prismatic refractor reduce glare while providing a high level of visual comfort. Particularly suitable for areas with reduced mounting heights, between 2 and 8 metres.

Structures and materials

- **Ballast compartment**
  Body in die-cast aluminium, with grey polyester powder paint finish applied electrostatically. Sliding disconnect, guarantees safe and easy electrical and mechanical assembling with the optical.
- **Optical assembly**
  Aluminium faceted reflector. UV stabilised acrylic prismatic refractor offering high visual comfort thanks to uniform light distribution over the whole surface. EPDM gasket between the aluminium reflector and the acrylic refractor (model CON-400 only); in model CON-250 the reflector and refractor are fastened together and joined with a silicone seal. The optical assembly for model CON-400 can be opened without using tools, due to the stainless steel hinge and latches. In model CON-250 the front hinge is replaced by another stainless steel latch.

Lamp holder

- E40 porcelain lamp socket.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Easy to replace light source by removing diffuser.

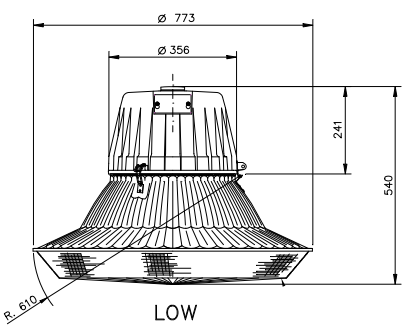
Accessories

- Hooks and mounting receptacles are availalable. IP65 hook is orderable as accessories.

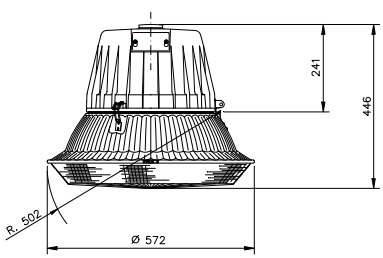
Lamp

- Luminaire is supplied without lamp.

Dimensions [mm]



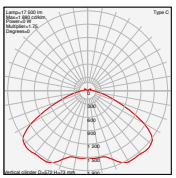
LOW



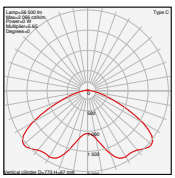
LOW–250

Industrial

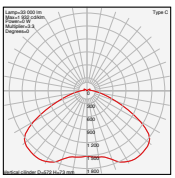
Photometric data



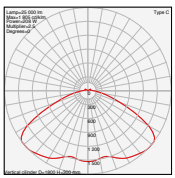
Conserva 1 x 150W HPS (519687)
+ CON-250 (519902)



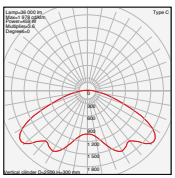
Conserva 1 x 250W HPS (519680)
+ CON-400 (519686)



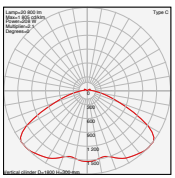
Conserva 1 x 250W HPS (519688)
+ CON-250 (519902)



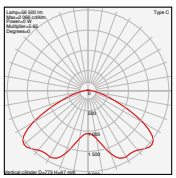
Conserva 1 x 250W CMH (519692)
+ CON-250 (519902)



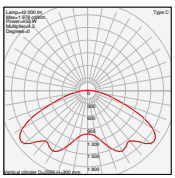
Conserva 1 x 250W MVR (519682)
+ CON-400 (519686)



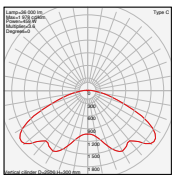
Conserva 1 x 250W MVR (519691)
+ CON-250 (519902)



Conserva 1 x 400W HPS (519681)
+ CON-400 (519686)



Conserva 1 x 400W CMH (519685)
+ CON-400 (519686)



Conserva 1 x 400W MVR (519684)
+ CON-400 (519686)

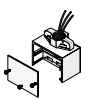
Conserva specification

Mounting type	Suspended
Reflector	Requires optical Assembly
Class	Class 1
Operating Temperature [°C]	25

Conserva product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Rating	Product code
1 x 150	GEAR BOX CON-250 HPS 150W 230V 50Hz	1 x 150W HPS	No	5.15	1	Grey	230V	IP54	519687
1 x 150	GEAR BOX CON-250 CMH 150 T U 230V50Hz	1 x 150W CMH	No	5.15	1	Grey	230V	IP54	519690
1 x 250	GEAR BOX CON-400 HPS 250W 230V 50Hz	1 x 250W HPS	No	8.3	1	Grey	230V	IP54	519680
1 x 250	GEAR BOX CON-250 HPS 250W 230V 50Hz	1 x 250W HPS	No	6.3	1	Grey	230V	IP54	519688
1 x 250	GEAR BOX CON-250 CMH 250 T U 230V50Hz	1 x 250W CMH	No	6.25	1	Grey	230V	IP54	519692
1 x 250	GEAR BOX CON-400 MH 250W 230V 50HZ	1 x 250W MVR	No	7.8	1	Grey	230V	IP54	519682
1 x 250	GEAR BOX CON-250 MH 250W 230V 50HZ	1 x 250W MVR	No	7.5	1	Grey	230V	IP54	519691
1 x 400	GEAR BOX CON-400 HPS 400W 230V 50Hz	1 x 400W HPS	No	9.9	1	Grey	230V	IP54	519681
1 x 400	GEAR BOX CON-400 CMH400 T VBU230V50Hz	1 x 400W CMH	No	10.5	1	Grey	230V	IP54	519685
1 x 400	GEAR BOX CON-400 MH 400W 230V 50HZ	1 x 400W MVR	No	9.4	1	Grey	230V	IP54	519684

Conserva Accessories

Product code	Picture	Description	HPS 250W 519680	HPS 400W 519681	CMH 400W 519685	HPS 150W 519687	HPS 250W 519688	CMH 150W 519690	CMH 250W 519692	MVR 250W 519682	MVR 400W 519684	MVR 250W 519691
519686		Optical assembly - CON-400 type CON-400 OPTICAL ASSEM (DIFF& REF ASS)	•	•	•					•	•	
519902		Optical assembly - CON-250 type CON-250 OPTICAL ASSEM (DIFF& REF ASS)				•	•	•	•			•
519462		Mounting receptacle CAJA DE CONEXION A3	•	•	•	•	•	•	•	•	•	•
519463		Mounting receptacle CAJA DE CONEXION A1	•	•	•	•	•	•	•	•	•	•
519701		Hook COLGADOR HOOKM	•	•	•	•	•	•	•	•	•	•
519702		Hook COLGADOR HOOKM IP65	•	•	•	•	•	•	•	•	•	•

Uniglow



IP20-54 | IP52 | IK08 | 1.32-15.9 KG

Luminaire available in an open or enclosed version for discharge lamps. The enclosed version is also suitable for damp environments. Developed for industrial lighting applications with a mounting height of over 5 metres. The enclosed version is particularly suitable for installation where dirt within the environment is an issue.

Structures and materials

- **Ballast housing**
  Die-cast aluminium ballast housing, with grey polyester powder paint finish applied electrostatically.
  The socket holder, which is joined to the ballast housing, enables photometric distribution to be set in 8 different positions using an ordinary screwdriver. Easy installation using a 3/4" NPSC threaded hub, which is located in the housing and is resistant to vibration.
- **Optical assembly**
  The optical assembly is available in two different sizes UG-17 and UG-22. The optical assembly contains a one-piece reflector spun from a thick aluminium disk, with moulded facets inside to prevent reflection of the lamp. This helps to reduce glare and increases the comfort of the user.
  The upper silicon gasket adjusts the connection of reflector and ballast housing (enclosed versions only).
  Tempered glass door (enclosed version only) resistant to thermal and mechanical stress. Fixed in a metal ring with EPDM or silicon gasket according to the lamp wattage, it is fitted with a stainless steel hinge and latches to guarantee easy removal without the need for tools. Open optical assembly providing IP20, enclosed version providing IP54.

Lamp holder

- E40 porcelain lamp socket.

Electrical and gear compartment

- Magnetic ballast 230V 50Hz low-loss.

Maintenance

- Easy to replace light source by removing diffuser.

Accessories

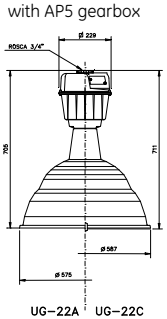
- Hooks and mounting receptacles are availalable.

Lamp

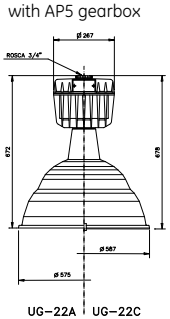
- Luminaire is supplied without lamp.

Optical assembly dimensions [mm]

UG22 open (IP20) and enclosed (IP54)

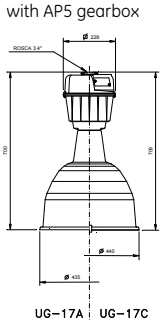


with AP5 gearbox

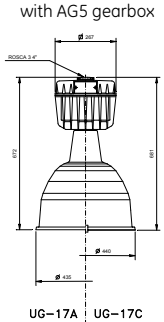


with AP5 gearbox

UG17 open (IP20) and enclosed (IP54)



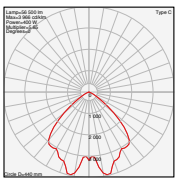
with AP5 gearbox



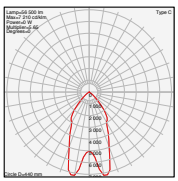
with AG5 gearbox

Industrial

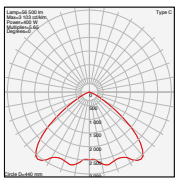
Photometric data



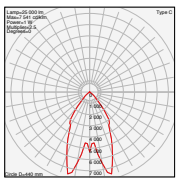
Uniglow 1 x 400W LU IN POS.F (519654) + UG-17C OPTICAL ASSEMBLY (519659)



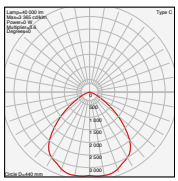
Uniglow 1 x 400W LU IN POS.A (519654) + UG-17C OPTICAL ASSEMBLY (519659)



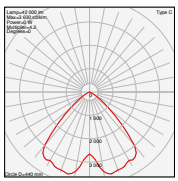
Uniglow 1 x 400W LU IN POS.H (519654) + UG-17C OPTICAL ASSEMBLY (519659)



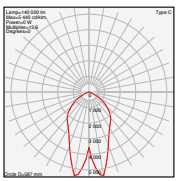
Uniglow 1 x 250W LU IN POS.G (519655) + UG-17C OPTICAL ASSEMBLY (519659)



Uniglow 1 x 400W CMH/E/U/830/D IN POS.A (519657) + UG-17C OPTICAL ASSEMBLY (519659)



Uniglow 1 x 400W CMH/E/U/830 IN POS.A (519657) + UG-17C OPTICAL ASSEMBLY (519659)



Uniglow 1 x 1000W LU/40 IN POS.A (519661) + UG-22C OPTICAL ASSEMBLY (519664)

Uniglow specification

Mounting type	Suspended
Reflector	Requires optical assembly
Class	Class 1
Operating Temperature [°C]	25

Uniglow product list

Wattage	Description	Lamp qty & type	Lamp included	Weight [kg]	Pack qty	Colour	Voltage	IP Electrical	IP Optical	Product code
1 x 250	GEAR BXUG-VSB AP5 CMH250 T U 230V50Hz	1 x 250W CMH	No	9.9	1	Grey	230V	IP52	IP20-54	519655
1 x 400	GEAR BOX UG-VSB AP5 HPS 400W 230V50Hz	1 x 400W LU	No	8.55	1	Grey	230V	IP52	IP20-54	519654
1 x 400	GEAR BXUG-VSB AP5CMH400 T VBU230V50Hz	1 x 400W CMH	No	1.32	1	Grey	230V	IP52	IP20-54	519657
1 x 400	GEAR BOX UG-VSB AP5 MH 400W 230V 50HZ	1 x 400W MVR	No	9.9	1	Grey	230V	IP52	IP20-54	519656
1 x 600	GEAR BOX UG-VSB AG5 HPS 600W 230V50Hz	1 x 600W LU	No	15.9	1	Grey	230V	IP52	IP20-54	519660
1 x 1000	GEAR BX UG-VSB AG5 HPS 1000W 230V50Hz	1 x 1000W LU	No	2.25	1	Grey	230V	IP52	IP20-54	519661
1 x 1000	GEAR BOX UG-VSB AG5 MH1000 230V 50HZ	1 x 1000W MVR	No	12.1	1	Grey	230V	IP52	IP20-54	519662

Uniglow Accessories

Product code	Picture	Description	AP5 HPS 400W 519654	AP5 CMH 250W 519655	AP5 CMH 400W 519657	AG5 HPS 600W 519660	AG5 HPS 1000W 519661	AP5 MVR 400W 519656	AG5 MVR 1000W 519662
519658		Open optical assembly - IP20 UG-17A OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519659		Enclosed optical assembly - IP54 UG-17C OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519663		Open optical assembly - IP20 UG-22A OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519664		Enclosed optical assembly - IP54 UG-22C OPTICAL ASSEMBLY	•	•	•	•	•	•	•
519701		Hook COLGADOR HOOKM	•	•	•	•	•	•	•
519702		Hook COLGADOR HOOKM IP65	•	•	•	•	•	•	•

www.gelighting.com

and General Electric are both registered trademarks of the General Electric Company

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted by law.

GE
Lighting

Outdoor Solutions

OUTDOOR
LUMINAIRES
RANGE 2013



GE imagination at work

www.gelighting.com

01 INTRODUCTION 02

02 ROAD AND STREET 14

03 DECORATIVE AND PEDESTRIAN 70

04 AREA 132

05 FACADE AND FLOOD 152

06 TUNNEL 184

07 SPORTS 210

08 INDEX 224

09 SALES OFFICES 270

LED light. GE quality.

The arrival of LED as a viable alternative to existing lighting technologies is changing the way we light our homes, offices, stores and streets. No longer a niche product, LED is now mainstream and, in the next few years, will emerge as the dominant lighting technology. But not all LED lighting is the same. And that's why it's so important to choose a name you can trust.

We qualify all our LED chips and luminaires according to LM79 & LM80. At GE, we invented the first visible LED in 1962 and have been manufacturing LED lighting solutions since the 1990s. We've pioneered innovations such as modular design and flat LED panels, and we're now moving towards increased standardisation of design, giving our customers the confidence of knowing that their investment is protected. In terms of performance, we test all our LED products to LM79 & LM80 standards, measures of light quality, efficacy, colour and lumen maintenance. In short, we're driving the same standards of quality and reliability into solid state lighting that we've brought to every other lighting technology over the last 130 years.

Qualified to LM79 & LM80



Reliability you can trust

There are dozens of examples why to choose GE LED technology; these are just a few:

- In-house testing and validation of LED sub-system and at complete system level.
- Proven performance in Sainsbury's parking areas in the UK
- Las Vegas is decreasing it's carbon footprint with using GE Lighting's LED road and street solutions. Reducing the CO2 emissions of more than 2,300 passenger cars and annual cost saving up to $2.7 million
- European cities like Alicante, Budapest, Motril and Torino reached significant energy savings with GE Lighting's white light solutions

Comfort. Safety. Security.

GE Lighting's white light solutions deliver a light closer to natural daylight than the traditional lamps of the past, increasing the sense of comfort and security. Colours are more real, streets and car parks are better illuminated, and CCTV operations are enhanced through better facial recognition. White light also improves road safety – studies prove that drivers have better peripheral vision under white light so their responses are faster.



Energy efficiency.

The latest white light solutions provide an ideal upgrade path for public bodies looking to reduce energy costs and environmental impact. Offering significantly better energy efficiency – and therefore reduced CO_2 emissions – than older technologies, white light solutions, including LEDs produce enhanced light quality for less power and also deliver savings through longer life and reduced maintenance requirements. Plus, enhanced control/dimming capabilities enable further energy and cost savings.



To support the Olympic and Paralympic Games, GE has equipped London's iconic Tower Bridge with a new state of-the-art lighting system that is designed to enhance its historic architectural features. More than 2 km GE Lighting Tetra Contour architectural LED lighting and 90W LED Floodlights have been installed on the stone and metal work of the bridge, not only to improve aesthetics, but also to significantly increase energy efficiency.



Enhancement, beautification.

The introduction of white light solutions can have a profoundly beneficial impact on the environment, bringing a reassuring ambiance to areas that were previously unwelcoming and opening up public areas to attract pedestrians and other visitors. Bright white light can also transform buildings, bridges and monuments, revealing detail and colour previously unseen, and the latest luminaires allow this light to be targeted where it's required, reducing light pollution.

Lighting design.

GE Lighting's strengths extend far beyond high quality and an extensive product portfolio. As experts in lighting we have the tools and the know-how to develop custom solutions to meet specific project objectives. Our skilled lighting design team can carry out detailed analysis of current and new lighting systems, enabling customers to choose and use GE Lighting with confidence.

Application thinking

Our world-class lighting solutions are built on a foundation of application expertise, which means we can add value to any project, anywhere. Our expert teams work with customers to calculate everything from lighting layout to luminaire replacement costs, delivering detailed project specifications complete with energy savings and payback time.





Facade and Flood
Page 152

Decorative and Pedestrian
Page 58

Tunnel
Page 184

Road and Street
Page 14

Sports
Page 210

Area
Page 132

Road and Street


OKAPI LED **16**


R250 LED **22**


ODYSSEY **28**


EURO 2 AND 7 **34**


EUROSTREET **40**


HMA **46**


TPK **52**


STELA **58**


BRISA **64**

OKAPI LED

IK 08

IK 09

CLASS I

CLASS II

WEIGHT 10-12kg

IP OPTICAL 66

IP ELECTRICAL 66

The perfect combination between the aesthetic and functionality makes this luminaire the perfect solution for the replacement of luminaires with low energy efficiency and important light nuisances. Okapi LED is available with three different system consumptions 20, 30 and 44 W. It is ideal for efficient lighting of street and roadway applications, walkways, parks & gardens up to 6m high. The advanced LED optical system used in the Okapi LED improved horizontal and vertical uniformity, reduced glare and improved lighting controls. This reliable system offers more than 12 years of service life to reduce maintenance frequency and expense, based on a 50,000 hours life and 12 hours of operation per day.

- The housing, decorative arm and side mount options are die-cast. The post top mounting option is sand cast
- Choice of 5 reflector options
- IP 66 for the optics and electrical compartment
- Curved (IK09) or flat tempered glass (IK08)
- Ambient temperature from -30 to +50°C

Okapi LED with post top, side mounting and decorative arm

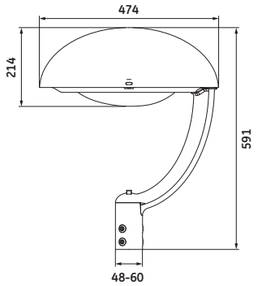




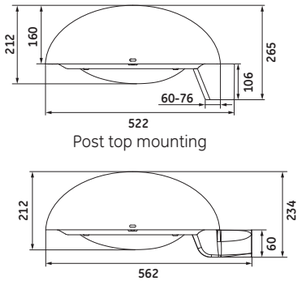


OKAPI LED

Dimensions [mm]

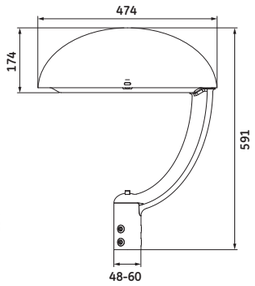


Decorative arm with curved glass



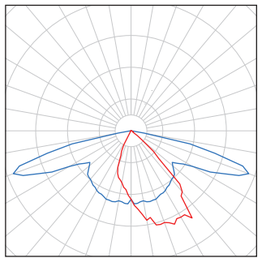
Post top mounting

Side mounting

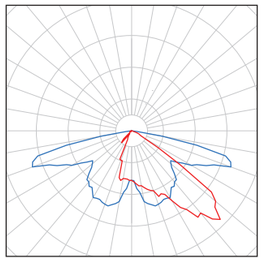


Decorative arm with flat glass

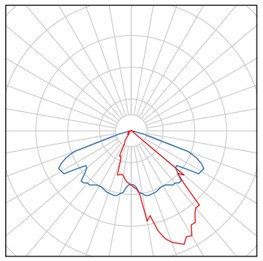
Light Output



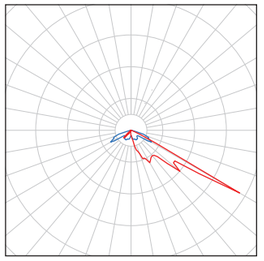
Narrow asymmetric medium Optics BX /
Side or Post top mounting / Curved Glass



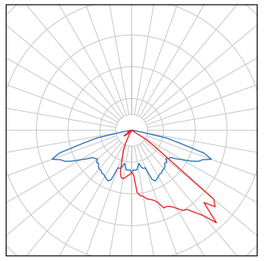
Asymmetric medium Optics EX /
Side or Post top mounting / Flat Glass



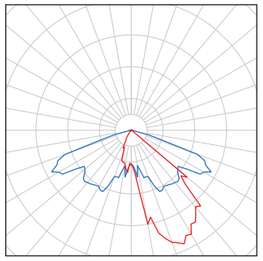
Narrow asymmetric Optics NX /
Side or Post top mounting / Flat Glass



Very narrow asymmetric Optics VX /
Side or Post top mounting / Curved Glass

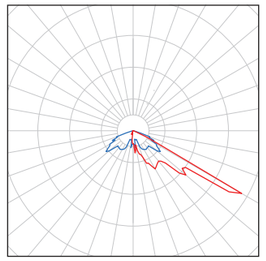


Asymmetric short
Optics CX / Decorative arm / Curved Glass



Narrow asymmetric Optics NX /
Decorative arm / Curved Glass

Additional photometric files available on the webite.



Very narrow asymmetric Optics VX /
Decorative arm / Flat Glass

Additional photometric files available on the webite.

Structures and materials

Housing: is made from three pieces (upper and lower housing, and coupler). The decorative arm and side mount options are die-cast. The post top mounting option is sand cast.

Standard colour: grey 150 sable. All RAL colours availableon request.

Two safe screws: included in the lower housing allowing an easy luminaire opening.

Screws: galvanized.

Electrical and gear compartment

Placed into the lower housing and isolated from the environment with a protection degree IP66 comprising:

Driver support board: the driver is mounted onto a aluminium gear tray. It is easily removable.

Optics

Optical assembly hermetically sealed providing IP66, comprising:

Glass: curved (IK09) or flat tempered glass (IK 08) fixed with a gasket.

Reflector: 5 different reflectors available. Structured LED array for optimized photometric distribution. Utilized high brightness LEDs, 70 CRI at 4000 K & 5700 K typical.

Maintenance

System rating: L85 > 50,000 hours at 25°C. Luminaire ambient temperature range: -30°C to +50°C with non energized storage temperature of 85°C

Installation

- Available in European Electrical classes I and II.

Mounting options

- Decorative arm: 48 to 60 mm
- Post top mounting: pole diameter 60 and 76 mm
- Side mounting: pole diameter 60 mm

Specifications

Weight [kg]	12kg with decorative arm, 10.5kg with standard post-top and side mounting. Driver included.
Side surface [m^2]	0.17
Driver	Electronic, programmable & dimmable (DALI). Controllable driver with power reduction and astronomical clock availability.
System consumption	50/60Hz 44W/220-240 max. 20, 30 & 44 W
Reflector	Five different reflectors available
Protection degree	Full IP66
Ambient Operating Temperature [°C]	-30 to +50
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC.

Product Range Overview

Mounting Options	Glass Lens	Reflectors	Power (W)	Colour Temperature (K)	Electrical Class	IP Rating
Decorative arm 48-60mm	Curved	Optics NX	20	4000	I.	66
Post top 60mm	Flat	Optics VX	30	5700	II.	
Post top 76mm		Optics BX	44			
Side mounting 60mm		Optics CX Optics EX				

All combinations are available.

R250 LED

IK 08

CLASS I

WEIGHT 8.8-16.8kg

IP OPTICAL 65

IP ELECTRICAL 65

The LED Road R250 luminaire features an advanced LED optical system that provides improved horizontal and vertical uniformity, reduced glare and improved lighting control compared with traditional metal halide systems. A modular design offering hundreds of photometric options makes the R250 suitable for use on everything from local streets to major roadways.

- Die cast aluminium housing
- Available from 39 W to 229 W
- IP 65 for the optics and electrical compartment
- 70 CRI at 3000K, 4000K and 5700K CCT
- Ambient temperature from -40 to +50°C



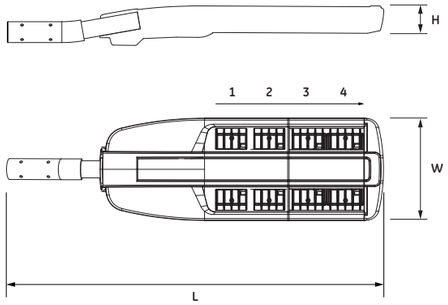






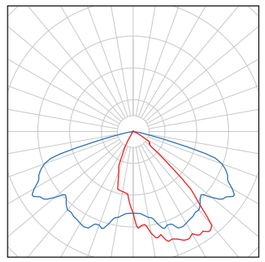
R250 LED

Dimensions [mm]

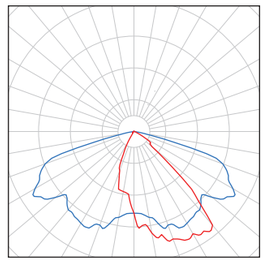


Number of modules	Weight [kg]	Size (L x W x H) [mm]
1 module	8.8	597 x 358 x 144
2 modules	10.9	726 x 358 x 144
3 modules	14.8	862 x 358 x 144
4 modules	16.8	993 x 358 x 144

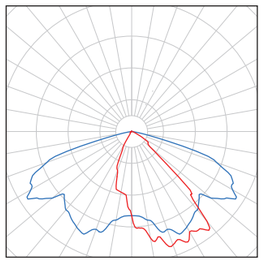
Light Output



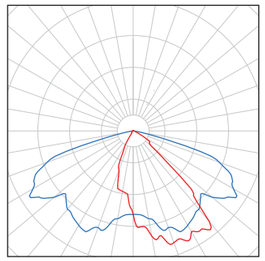
R250 SINGLE/ASY3/39/30



R250 DOUBLE/ASY3/78/30



R250 TRIPLE/ASY3/132/30



R250 QUADRUPLE/ASY3/189/30

Additional photometric files available on the webite.

Structures and materials

Die cast aluminium housing. Stylized architectural design incorporates a heat sink directly into the unit ensuring maximum heat transfer, long LED life and reduced Effective Projected Area (EPA). Corrosion resistant polyester paint finish and oven cured

Standard colors: silver grey. Meet 2G vibration test.

Electrical and gear compartment

Driver: the dimmable analog (1-10V) driver is mounted in a separate compartment, isolated from the optical assembly with a protection degree of IP65.

Nominal line voltage: 200-240V 50/60Hz.

System power factor is >90% and THD < 15%.

Output current is 350 mA.

Optics

Optical assembly hermetically sealed providing IP65. Utilized high brightness LED, 70 CRI at 6000K, 4300K and 3000K. LM-79 test and reports are performed in accordance to IESNA standards.

Maintenance

System rating: 50,000 hours at L80.

Ambient temperature: from -40 to 50°C. Storage temperature up to 85°C.

Installation

Side entry mounting: for 60 mm diameter poles and brackets, the coupling must be ordered separately.

Post top coupling: for 60 mm diameter poles, the couplings must be ordered separately.

Specifications

Weight [kg]	Depending on the number of modules (see section dimensions)
Side surface [m^2]	1 module version = 0.061 m^2 2 module version = 0.074 m^2 3 module version = 0.088 m^2 4 module version = 0.1 m^2
Driver	60 or 110W are available for the single module and the other versions have combinations of these drivers. 230V, 50/60 Hz. Controllable with 0-10V.
System consumption	1 module version = 39-59W 2 module version = 78-115W 3 module version = 132-174W 4 module version = 189-229W
Colour temperature	3000K, 4300K, 6000K
Reflector	Asmymetric type III
Protection degree	IP65
Ambient Operating Temperature [°C]	-40 to +50
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC.

ODYSSEY HID

The Odyssey luminaire is a high performance road lighting fitting optimised for StreetwiseTM lamps. Odyssey operates with CMH and HPS lamps of up to 150W and its high-efficiency photometric reflector makes it ideal for installations with demanding lighting level requirements. Maintenance is simple, with with tool-less access to the optical compartment allowing quick and easy lamp replacement.

- Adjustable: ±15º horizontal and +15º vertical mounting
- Tool less entry, clip in gear tray
- IP 66 for the optics and electrical compartment
- Optimised for CMH StreetWise™ and HPS lamps

IK 08

IK 09

CLASS I

CLASS II

WEIGHT 10kg

IP OPTICAL 66

IP ELECTRICAL 66

Adjustable horizontal and vertical mounting.



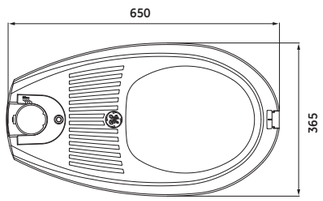


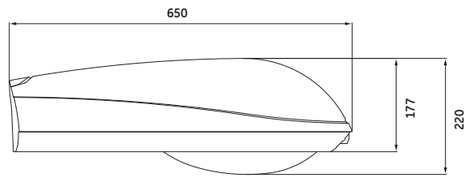




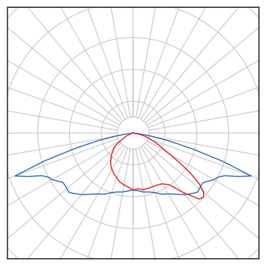
ODYSSEY HID

Dimensions [mm]

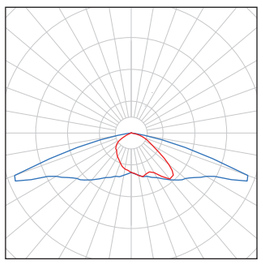




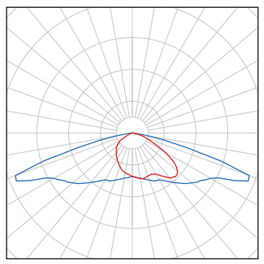
Light Output



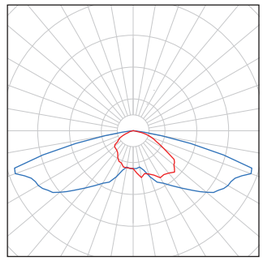
ODYSSEY VT HPS 70W



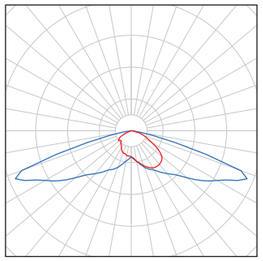
ODYSSEY VT HPS 100W



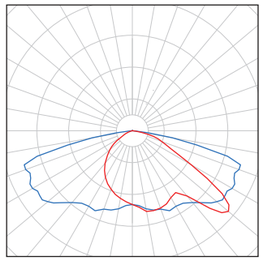
ODYSSEY VT HPS 150W



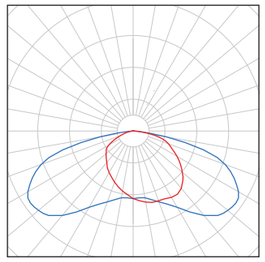
ODYSSEY SW VT CMH SW 70W



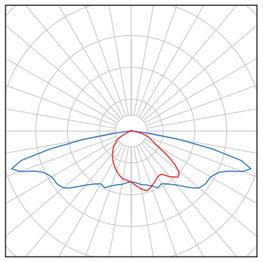
ODYSSEY SW VT CMH SW 150W



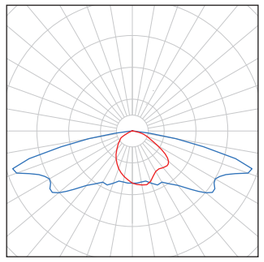
ODYSSEY VC HPS 50W



ODYSSEY VC HPS 70W

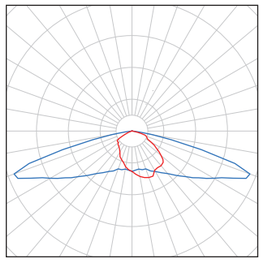


ODYSSEY VC HPS 100W

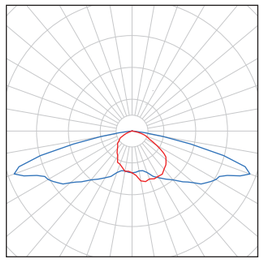


ODYSSEY VC HPS 150W

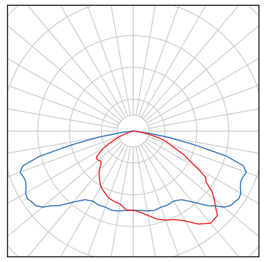
Additional photometric files available on the webite.



ODYSSEY SW VC CMH SW 70W



ODYSSEY SW VC CMH SW 100W



ODYSSEY SW VC CMH SW 150W

SW = StreetWise
VC = Curved Glass
VT = Flat GLass

Additional photometric files available on the webite.

Structures and materials

Housing: in two pieces (housing and door), both in die-cast aluminium with a polyester powder paint finish and oven cured (RAL7035).

Support base: adjustable. ±15° horizontal and +15° vertical mounting through Ø48-60 mm pole, with optional accessory for Ø34-42 mm pole.

One unique latch included in the lower housing allowing an easy luminaire opening.

Screws: stainless steel.

Electrical and gear compartment

Ballast gear tray: made from high temperature resistant polyamide for magnetic ballasts and aluminium for electronic ballasts.

Electrical connection: when the fixture is opened the supply is autonomically disconnected, via a connector mounted in the upper and lower housings.

Optics

Glass: curved or flat tempered, sealed to the reflector through silicone seal.

Lampholder: ceramic E27 or E40. Multi-position support allowing lamp adjustment for optimal light distribution.

Reflector: high purity aluminium in one piece, finish achieved through anodizing process.

Two options:
- optimized for HPS lamps
- optimized for CMH StreetWise™ lamps

Optical assembly: silicone sealed with gasket in reflector neck and sealed to the housing. A breather is included to make sure IP rating is maintained over different environmental conditions.

Maintenance

- Automatic electrical disconnection when opening the luminare
- Tool-less access to the optic compartment by opening the latch
- Easy and quick lamp replacement by manually removing the lamp holder support from the front of the luminare
- A “twist and lock” mechanism releases the lamp holder from the reflector neck

Accessories/options

- Electronic ballasts version up to 150W with optional timed power reduction device
- Electronic ballast version up to 150W
- Magnetic ballasts available with: bi-level, controlled via switched contacts, bi-level with clock bi-level with astronomic clock
- Available with NEMA socket

Specifications

Weight [kg]	7 kg without Equipment and 10kg (ballast included)
Side surface [m^2]	0.18
Ballast	Magnetic ballasts: HPS and MH up to 150W, 230V/50Hz Electronic ballasts: HPS and MH up to 150W, 208-277V 50/60Hz
Available Wattages [W]	Magnetic ballasts: 50, 70, 100, 150 Electronic ballasts: 50, 70, 100, 150
Reflector	Customized reflectors for Streetwise™ lamps
Protection degree	Full IP66
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.
Glass Type	Flat glass or tempered curved glass

EURO2 & EURO7

IK 08

CLASS I

CLASS II

WEIGHT 12, 18kg

IP OPTICAL 66

IP ELECTRICAL 44/66

Euro-2 & Euro-7 are suitable for applications ranging from busy motorways to urban street environments. Key features include a high degree of protection of the optical assembly (IP66), and a system for adjusting the lamp holder into 28 possible geometries, easily modified on site to reach the required photometrics.

- Tilting mounting device, 60mm for pole, 60-76mm for post-top
- Mounting angles between 0º, 5º and 10º steps horizontally and vertically
- HPS and Metal Halide (Euro-7 up to 600W, Euro-2 up to 250W)
- Top opening for tool-less access to lamp and control gear, tool-less relamping

Post top and side mounting options.





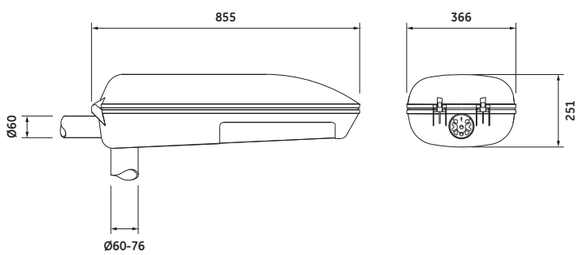




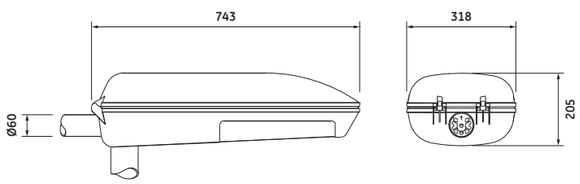
EURO2 & EURO7

Dimensions [mm]

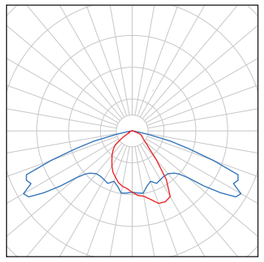
EURO7



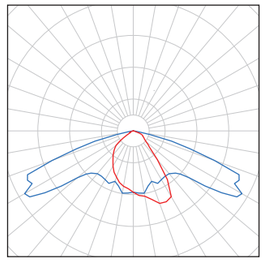
EURO2



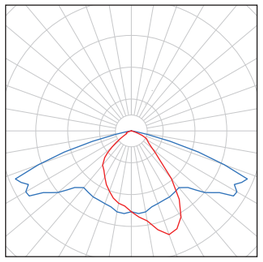
Light Output



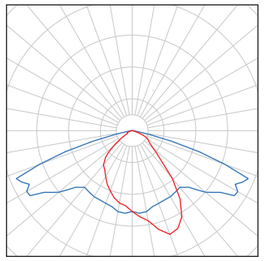
EURO-2 HPS 50W



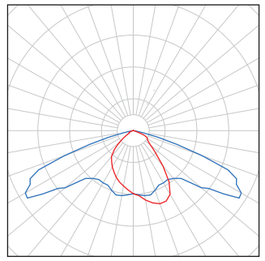
EURO-2 HPS 70W



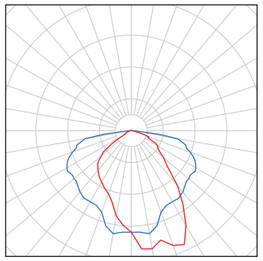
EURO-2 HPS 100W



EURO-2 HPS 150W

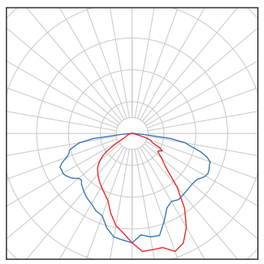


EURO-2 HPS 250W

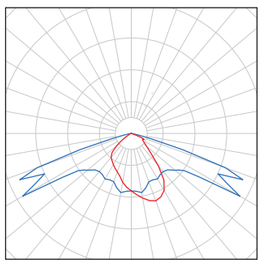


EURO-2 CMH SW 150W

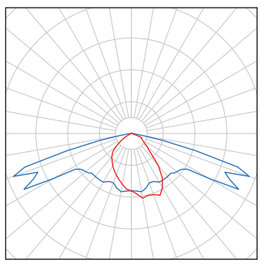
Additional photometric files available on the webite.



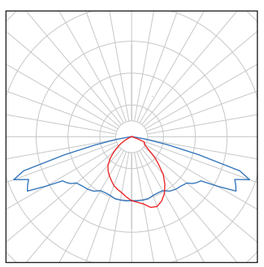
EURO-2 CMH 250W



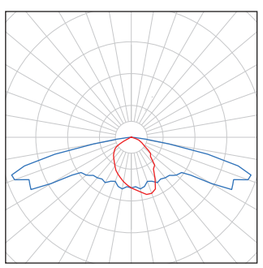
EURO-7 HPS 250W



EURO-7 HPS 400W



EURO-7 HPS 600W



EURO-7 CMH 400W

Additional photometric files available on the webite.

Structures and materials

Housing: two part housing in die-cast aluminium, electrostatically sprayed with a polyester powder paint finish, following anti-corrosion priming and oven-cured at 180ºC.

Mounting system: easily adaptable to pole or post-top applications, using the same spigot and without the need to specify this beforehand.Possibility of 0º, 5º & 10º inclination in either of the two mounting options.

Electrical and gear compartment

Ballast support board: manufactured in galvanized sheet and mounted into the lower housing, easily removable. Ballast, ignitor and capacitor are mounted on this board.

Gear tray: supports HPS and Metal Halide up to 600W in the Euro 7 and up to 250W in the Euro 2.

Optics

Glass: curved transparent tempered glass.

Optical assembly: glue silicone sealed between the reflectorand the glass.

Lampholder: polyamide, fixture reinforced with glass fibre and resistant to high temperatures.

Reflector neck and lamp holder: is made from polymaide that is highly temperature resistant, the gasket is made from silicone. It also includes a breather. The lamp holder includes horizontal and vertical adjustment therefore multiple photometric distributions are possible.

Maintenance

Top opening for tool-less access to the lamp and control gear. Lamp replacement without tools.

Accessories/options

- Die-cast aluminium tilting device, 60mm for pole and 60-76mm for post-top mounting, tilt in 5° steps horizontally and vertically.
- Euro7 includes additional gasket around housing to be IP66
- Electronic versions up to 150W.
- Bi-level magnetic ballast.
- Class II with magnetic ballasts.

Specifications

Weight (kg)	Euro 2: 9,06-11,06 Euro 7: 12,00-18,00 kg
Side surface [m^2]	Euro 2: 0.21 Euro 7: 0.28
Ballast	Euro2: Magnetic ballasts: HPS and MH up to 250W, 230V/50Hz Electronic ballasts: HPS and MH up to 150W, 208-277V 50/60Hz Euro7: Magnetic ballasts: HPS and MH up to 600W, 230V/50Hz
Available Wattages	Euro2: Magnetic ballasts: 50W, 70W, 100W, 150W, 250W Electronic ballasts: 50W, 70W, 100W, 150W Euro7: Magnetic ballasts: 150W, 250W, 400W, 600W
Reflector	Asmymetric
Protection degree	Euro2: optical assembly IP66, electrical compartment IP44 Euro7: optical assembly IP66, electrical eompartment IP44, full IP66 is also available.
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

EUROSTREET

IK 08

WEIGHT 5-12kg

IP OPTICAL 65

IP ELECTRICAL 65

Eurostreet series feature a wide range of street lights with HPS and MH lamps up to 150W (ET25) and 400W (ET40). Eurostreet luminaires are suitable for urban streets, major roads, motorways, and parking area lighting.

- Pole or post-top mounting with a diameter of 42 to 76mm
- Tilt angle between -5° and +15°.





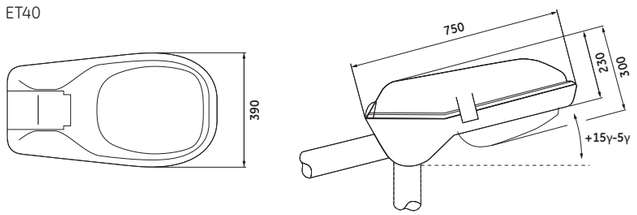




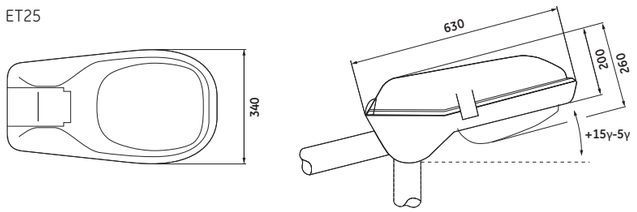
EUROSTREET

Dimensions [mm]

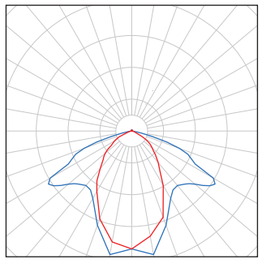
ET40



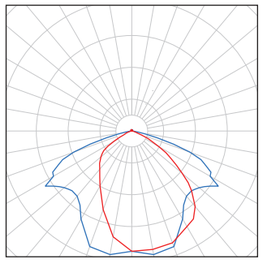
ET25



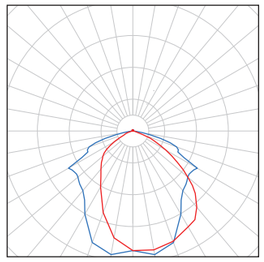
Light Output



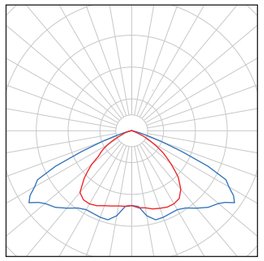
ET 25 G HPS 70W



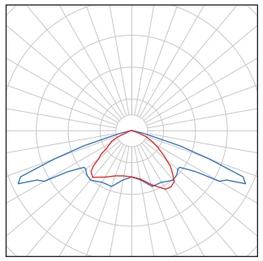
ET 25 G HPS 100W



ET 25 G HPS 150W



ET 40 G HPS 400W



ET 40 G CMH 400W

Additional photometric files available on the webite.

Structures and materials

Housing: in two parts (housing and cover) in glass fibre reinforced thermoplastic polymer, injection molded and UV stabilized results in a housing and cover that offers exceptional mechanical resistance and high resistance to chemical agents.

Support base: pole or post-top mounting with a diameter of 42 to 76mm, by way of a cast aluminium adapter, with the possibility of adjusting the luminaries tilt angle between –5° and +15°.

Latch: the housing and the cover are hinged at the front and secured by three captive springs of the same sort of plastic and stainless steel springs.

Screws: stainless steel.

Electrical and gear compartment

Ballast support board: mounted on removable insulating plate, made from glass fibre reinforced polyamide. Incorporates an automatic power cut-off switch whenthe cover is opened.

Wiring: with silicone wires and PG 13.5, tear-proof cable –clamp for 6-12mm wires.

Insulation: Class II.

Optics

Glass: 4mm flat tempered glass lens. T25 models also available in transparent, UV-stabilized injection molded polycarbonate bowl.

Lampholder: multi-position support allowing lamp adjustment for optimal light distribution.

Reflector: computerized design 99.85% pure anodized and polished aluminium, with “cut-off” beam.

Reflector neck: polyamide, high-temperature resistant.

Gasket: silicone rubber and polyurethane foam gaskets.

Maintenance

Lamp replacement easy, fast and safe by opening fitting head.

Accessories / options

- Ø60 mm wall mounting support
- Ø60 mm asymmetrical mounting support
- ET25 – smaller housing
- ET40 – large housing

(G = glass, P = polycarbonate - curved version)

Specifications

Weight [kg]	ET25: 5,60 - 8,00 ET40: 11,00 - 12,00
Side surface [m^2]	ET25: 0,11 ET40: 0,18
Ballast	ET25: magnetic ballasts HPS and MH up to 150W, 230V/ 50Hz ET40: magnetic ballasts: HPS and MH up to 400W, 230V/ 50Hz
Available Wattages	ET25: magnetic ballasts 50W, 70W, 100W, 150W ET40: magnetic ballasts 250W, 400W
Reflector	Asymmetric
Protection degree	Full IP65
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

HMA

IK 08

CLASS I

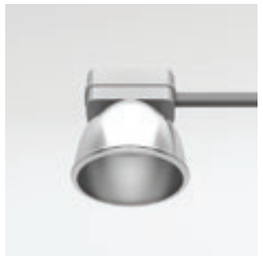
WEIGHT 27kg

IP OPTICAL 55

IP ELECTRICAL 55

HMA is designed for mounting at height and can incorporate different reflectors for asymmetrical, roadway or symmetrical light distributions. Typical applications include roadway junctions, roundabouts, parking and other extensive areas such as plazas, and locations require strict glare control.

- Up-to 400W MH and HPS
- Tool-less relamping
- Horizontal mounting to a 60mm diameter pole



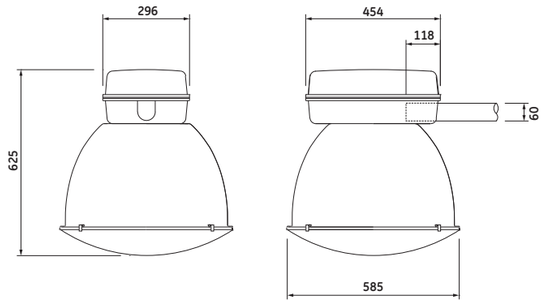




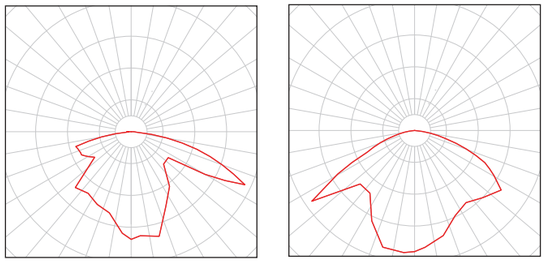


HMA

Dimensions [mm]



Light Output



HMA CA HPS 400W

HMA CA CMH 400W

Additional photometric files available on the webite.

Structures and materials

Housing: luminaire comprises the ballast compartment, in die-cast aluminium painted in RAL 7035 grey, and the main body /outer reflector in spun aluminium, with a faceted interior.

Support base: mounting is by horizontal fitting to a 60mm diameter pole.

Inner reflector: adjustable, in faceted aluminium for asymmetrical photometric solutions (CA).

Latches: stainless steel.

Springs: stainless steel.

Electrical and gear compartment

Ballast support board: activated charcoal filter system integrated in the ballast compartment.

Gear tray: for HPS and Metal Halide lamps up to 400W.

Optics

Glass: curved tempered glass.

Lampholder: reinforced ceramic lampholder.

Reflector: High purity aluminium, Alglass finished

Gasket: silicone

Maintenance

Relamping without need for tools.

Specifications

Weight [kg]	27,00
Side surface [m^2]	0.20
Ballast / Ballast	Magnetic Ballasts: HPS and MH 400W, 230V/50Hz
Available Wattage	Magnetic ballasts: 400W
Reflector	Asymmetric
Protection degree	Full IP55
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

TPK

IK 06

CLASS I

CLASS II

WEIGHT 27kg

IP OPTICAL 65

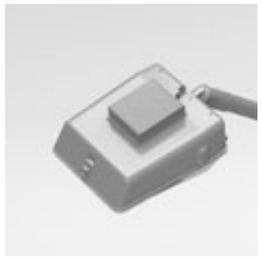
IP ELECTRICAL 65

TPK features a specially designed optical assembly to provide effective solutions for installations where considerable separation is required between the road and the luminaire fixture. It is also suitable for very wide roadways with restricted mounting height and is ideal for sports facilities and railway platforms.

- For HPS and Metal Halide lamps up to 600W
- Tool-less front access to lamp and control gear (via stainless steel latch)
- Adaptable mounting arm: graduated scale 48-60mm diameter



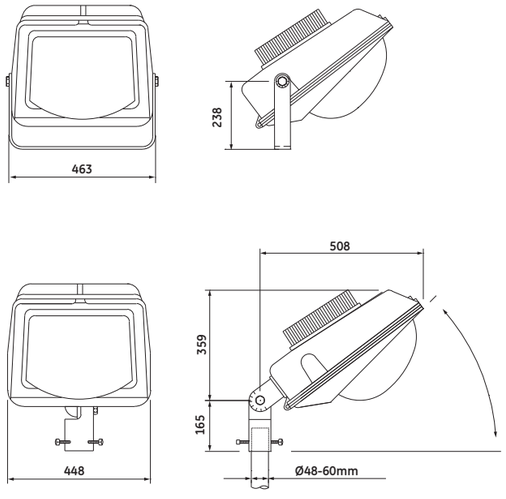




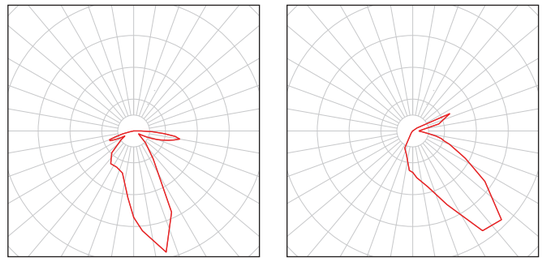


TPK

Dimensions [mm]



Light Output



TPK HPS 150W

TPK HPS 250W

Additional photometric files available on the webite.

Structures and materials

Housing: in three parts (housing, access door and lamp slip fitter) in die-cast aluminium housing and door and sand-cast slip fitter. with a polyester powder paint finish and oven cured at 180°C.

Standard colour: RAL 7035 grey.

Filter: activated charcoal filter system integrated in the housing.

Support base: adaptable mounting arm with graduated scale of 48 to 60mm diameter.

Latch: stainless-steel latch with elastic-spring shape, placed in the top part.

Screws: stainless steel.

Electrical and gear compartment

Electric unit with a protection degree IP65.

Ballast support board: activated charcoal filter system integrated in the ballast compartment.

Gear tray: HPS and Metal Halide lamps up to 600W.

Insulation: Class I. and Class II.

Optics

Optical assembly hermetically sealed providing IP65protection degree.

Glass: curved transparent borosilicate glass lens.

Lampholder: E27/ E40 ceramic depending on lamp. Multi-position support allowing lamp adjustment in a longitudinal direction for optimal light distribution.

Reflector: one-piece hydroformed high-purity aluminium.

Gasket: ethylene propylene diene rubber (EPDM) gaskets between the glass lens and the door and between the door and the housing.

Maintenance

Tool less front access to the lamp and control gear by releasing a stainless steel latch.

Specifications

Weight [kg]	27,00
Side surface [m^2]	0.30
Ballast	Magnetic ballasts: HPS and MH up to 600W, 230V/50Hz
Available Wattages	Magnetic ballasts: 150W, 250W, 400W, 600W
Reflector	Bilateral Symmetric
Protection degree	Full IP65
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

STELA

IK 07

CLASS I

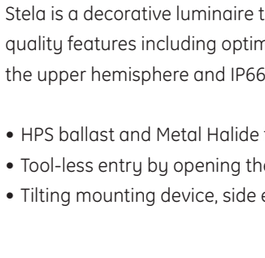
WEIGHT 16-21kg

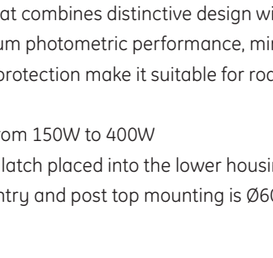
IP OPTICAL 66

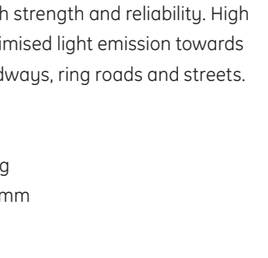
IP ELECTRICAL 43

Stela is a decorative luminaire that combines distinctive design with strength and reliability. High quality features including optimum photometric performance, minimised light emission towards the upper hemisphere and IP66 protection make it suitable for roadways, ring roads and streets.

- HPS ballast and Metal Halide from 150W to 400W
- Tool-less entry by opening the latch placed into the lower housing
- Tilting mounting device, side entry and post top mounting is Ø60mm



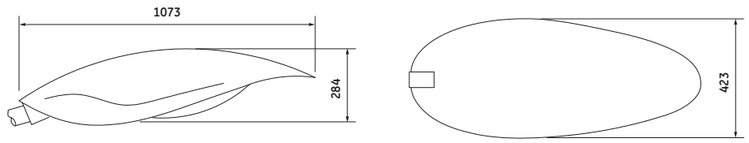




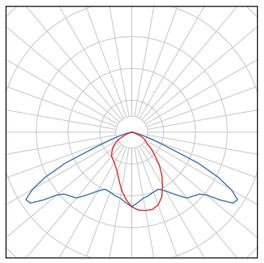


STELA

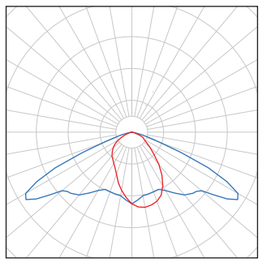
Dimensions [mm]



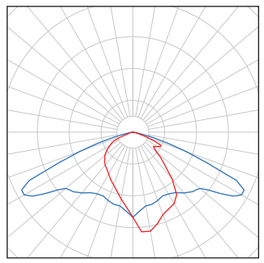
Light Output



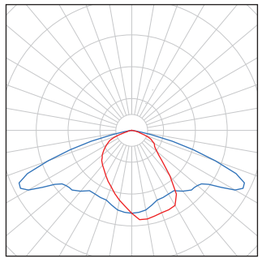
STELA HPS 250W



STELA HPS 400W



STELA CMH 250W



STELA CMH 400W

Additional photometric files available on the webite.

Structures and materials

Housing: in two pieces (housing and door), both in die-cast aluminium with a polyester powder paint finish and oven cured (RAL9007).

Support base: suitable for horizontal mounting through Ø60mm diameter pole.

Latch feature: included in the lower housing, allowing an easy opening of the luminaire.

Screws: stainless steel.

Electrical and gear compartment

Placed into the lower housing and isolated from the environment with a protection degree IP43, comprising:

Gear support tray: manufactured in galvanized steel and easily removed. Ballast, ignitor and capacitor are mounted on this board.

The gear tray supports: HPS ballast and Metal Halide from 150W to 400W.

Electrical disconnection: from the lamp utilizes a multi-polar switch.

Optics

Optical assembly hermetically sealed providing IP66, comprising:

Glass: curve tempered glass sealed to the reflector through silicone. The lens is mechanical and thermal shock resistant.

Lampholder: E40 ceramic lampholder. Multi-position support allowing lamp adjusting in longitudinal direction for optimal light distribution.

Reflector: high purity aluminium reflector in one-piece, finish achieved through anodizing process.

Reflector neck: aluminium. The lamp holder is mounted into the reflector neck through a silicone gasket ensuring an excellent ingress protection.

Maintenance

Tool-less access to the optic block by opening the latch placed into the lower housing.

Easy and quick lamp maintenance by manually removing the lamp holder support from the front of the luminaire.

A two-latch mechanism releases the lamp holder from the neck of the reflector.

Accessories / options

Die-cast aluminium tilting mounting device, side entry and post top mounting is Ø60mm.

Specifications

Weight [kg]	16.00-21.00
Side surface [m^2]	0.31
Ballast	Magnetic Ballasts: HPS and MH up to 400W, 230V/ 50Hz
System consumption	Magnetic ballasts: 100W, 150W, 250W, 400W
Reflector	Asymmetric
Protection degree	IP66 optical assembly IP43 gear compartment
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

BRISA

IK 07

CLASS I

CLASS II

WEIGHT 16-21kg

IP OPTICAL 66

IP ELECTRICAL 44

Brisa is a reliable HID luminaire offering robust design, easy maintenance and a high–efficiency photometric reflector. This is a versatile, all-round decorative solution for efficient lighting of motorways, ring roads, streets, residential areas, industrial areas, footpaths and cycle-ways.

- Suitable for horizontal mounting through Ø40-60mm diameter pole
- Optical assembly hermetically sealed providing IP66
- HPS and MH up to 400W



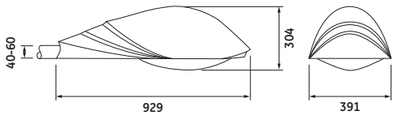




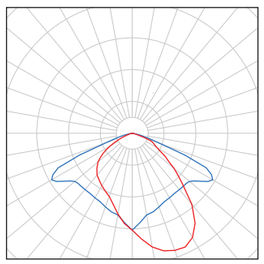


BRISA

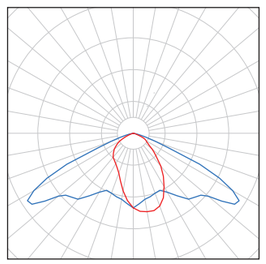
Dimensions [mm]



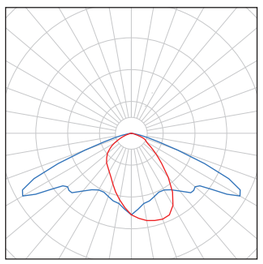
Light Output



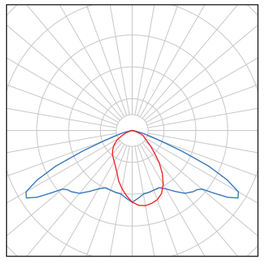
BRISA HPS 250W - POS 2B



BRISA HPS 250W - POS 4A



BRISA HPS 400W - POS 2B



BRISA HPS 400W - POS 3A

Additional photometric files available on the webite.

Structures and materials

Housing: in two pieces (housing and door) both in die-cast aluminium with a polyester powder paint finish and oven cured (RAL9006).

Support base: suitable for horizontal mounting through Ø40-60mm diameter.

Latch: included into the lower housing allowing easy luminaire access.

Screws: stainless steel.

Electrical and gear compartment

Placed into the lower housing and isolated from the environment with a protection degree IP44, comprising:

Ballast support tray: manufactured in galvanized sheet, easily removable. Ballast, ignitor and capacitor are mounted on the tray.

The gear tray supports: HPS and Metal Halide (MH) ballasts up to 400W and MH up to 250W

Optics

Optical assembly hermetically sealed providing IP66, comprising:

Glass: curve tempered glass sealed to the reflector through silicone.

Lampholder: E40 ceramic lampholder. Multi-position support allowing lamp adjustment in longitudinal and vertical directions for optimal light distribution.

Reflector: high purity aluminium reflector in one-piece, finish achieved through an anodizing process.

Reflector neck: high-temperature resistant gasket ensuring excellent ingress protection.

Maintenance

Tool-less access to the optic block by opening the latch placed into the lower housing.

Latches: lamp accessed by removing the lamp holder manually, releasing the two latches that support the lamp holder from the neck of the reflector.

Accessories / options

Die-cast aluminium tilting mounting device, side entry and post top mounting is Ø60mm, tilt in 5° steps horizontally and vertically.

- Bi-level magnetic ballast
- Class II with magnetic ballast

Specifications

Weight [kg]	Brisa: 15.00-20.00
Side surface [m^2]	0.29
Ballast / Ballast	Magnetic ballasts: HPS and MH up to 400W, 230V/50Hz Electronic ballasts: HPS and MH up to 150W, 208-277V 50/60Hz
Available Wattages	Magnetic ballasts: 100W, 150W, 250W, 400W Electronic ballasts: 100W, 150W
Reflector	Asymmetric
Protection degree	IP66 optical assembly IP44 gear compartment
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.



Decorative and Pedestrian


DUNA LED **72**


IBERIA LED **78**


OKAPI LED **84**


DUNA HID **90**


IBERIA HID **96**


OKAPI HID **102**


SYRA **108**


SUPRA **114**


DS & SCM **120**


HISPALIS **126**

DUNA LED

IK 08

CLASS I

WEIGHT 17kg

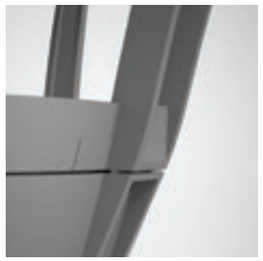
IP OPTICAL 65

IP ELECTRICAL 65

The Duna LED is a decorative luminaire ideal for the efficient lighting of residential areas, parks and gardens, commercial centres, pedestrian walkways and public squares. With its excellent vertical and horizontal uniformity and high chromatic reproduction, Duna LED can be used to deliver an enhanced sense of safety and comfort in public areas.

- 70 CRI at 4000K & 5700K CCT
- Symmetrical and asymmetrical light distributions
- IP 65 for the optics and electrical compartment
- Post-top mounting for 60mm diameter poles



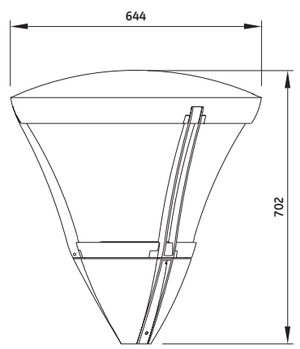


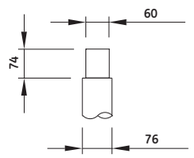




DUNA LED

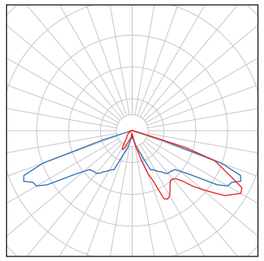
Dimensions [mm]



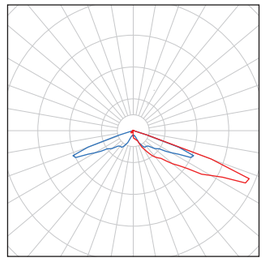


76 to 60mm coupler

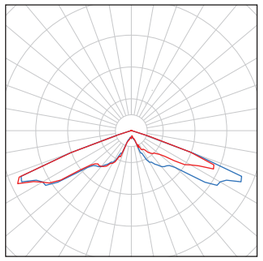
Light Output



DUNA LED ASY3 88W 4100K



DUNA LED ASY4 63W 4100K



DUNA LED SYM5 88W 4100K

Additional photometric files available on the webite.

Structures and materials

Base: die cast aluminium. Pole mounting device includes a PG-13,5 cable gland for a perfect seal.

Body: die cast aluminium, with three decorative arms and two rings.

Standard color: grey Oxidon.

Upper housing: one-piece spun aluminium.

Installation: post-top mounting for 60 mm diameter poles. 76 mm available with an additional adaptor.

Electrical and gear compartment

Control gear: mounted on an removable universal tray.

Electrical disconnection: the luminaire includes a supply terminal board with electrical disconnection system once the fixture is opened.

Protection degree: isolated from the environment with a protection degree IP65.

Optics

Optical assembly: hermetically sealed providing IP65. Thanks to the advance LED optical systems the fixture provide high uniformity and improved vertical light distribution. CRI 70, CCT 4100 and 5700 Kelvin.

- Type III: asymmetric distribution (street type) – 88W system consumption
- Type IV: asymmetric distribution – 63W system consumption
- Type V: symmetric distribution – 88W system consumption

Maintenance

L85 at 50,000 hours at 25°C for long maintenance period.

Specifications

Weight [kg]	14,00
Side surface [m^2]	0.18
Driver	120-277V 50/60Hz
System consumption	90W max.
Reflector	Asymmetric and symmetric
Protection degree	Full IP65
Ambient Operating Temperature [°C]	25
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC.

IBERIA LED

IK 08

CLASS I

WEIGHT 11kg

IP OPTICAL 65

IP ELECTRICAL 45

The Iberia LED is a decorative luminaire available in a wide choice of models, offering a full range of solutions for amenity lighting, pedestrian walkways and public squares. Available in wattages up to 90W and with symmetrical and asymmetrical distribution, Iberia LED features post-top, side-entry, pendant and wall mouting options for full flexibilty of installation.

- 50,000 hours rated LED life, L85 for low maintenance
- 70 CRI at 4000K & 5700K CCT
- Choice of 9 mounting options
- Symmetrical and asymmetrical light distributions

Side-entry and post-top mountings options.

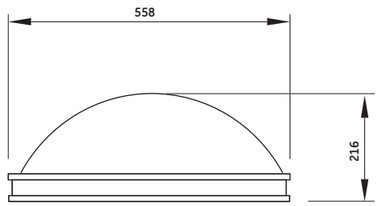




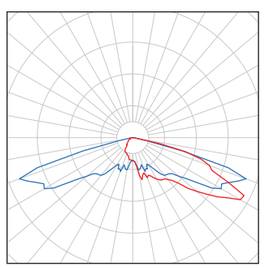


IBERIA LED
IBERIA LED

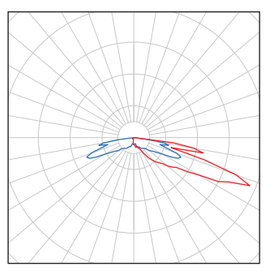
Dimensions [mm]



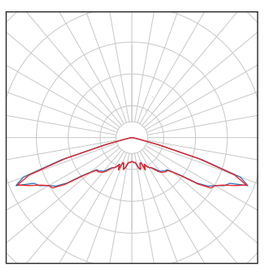
Light Output



IBERIA LED ASY3 90W 4100K



IBERIA LED ASY4 63W 4100K



IBERIA LED SYM5 90W 4100K

Additional photometric files available on the webite.

Structures and materials

Housing: elliptical die-cast aluminium housing fixed to the central ring with three screws for a perfect fixing and sealing and a hinged die-cast aluminium door that supports the optical assembly.

Standard colour: oxidon grey.

Fixing system: provides multiple configurations

Electrical and gear compartment

Placed into the elliptical housing and isolated from the environment with a protection degree IP45.

Driver support board: manufactured in galvanized sheet, mounted into the central ring. Electronic elements are mounted on this board.

Optics

Optical assembly: hermetically sealed providing IP65. Due to the advanced LED optical systems, the fixture provides high uniformity and improved vertical light distribution.

- Type III: asymmetric distribution (street type) – 90W system consumption
- Type IV: asymmetric distribution – 63W system consumption
- Type V: symmetric distribution – 90W system consumption

CRI: 70

CCT: 4100 and 5700 Kelvin.

Maintenance

L85 at 50,000 hours at 25°C for long maintenance period

Accessories / options

- Post-top mounting on Ø60 or 76mm column, available in single, double or triple.
- Side-entry mounting on Ø60mm bracket.
- Wall mounting.

Specifications

Weight [kg]	10,6
Side surface [m²]	0.24
Driver	120-277V 50/60Hz
System consumption	90W max.
Reflector	Symmetric and Asymmetric
Protection degree	IP65 optical assembly IP45 gear compartment
Ambient Operating Temperature [°C]	25
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC.

Mounting devices




SP6
POST-TOP Ø 60



DP6
POST-TOP Ø 60
DOUBLE



TP6
POST-TOP Ø 60
TRIPLE




SP7
POST-TOP Ø 76



DP7
POST-TOP Ø 76
DOUBLE



TP7
POST-TOP Ø 76
TRIPLE




AT
POLE Ø 60



WM
WALL



P1
PENDANT 1”

OKAPI LED

IK 08

IK 09

CLASS I

CLASS II

WEIGHT 10-12kg

IP OPTICAL 66

IP ELECTRICAL 66

The perfect combination between the aesthetic and functionality makes this luminaire the perfect solution for the replacement of luminaires with low energy efficiency and important light nuisances. Okapi LED is available with three different system consumptions 20, 30 and 44 W. It is ideal for efficient lighting of street and roadway applications, walkways, parks & gardens up to 6m high. The advanced LED optical system used in the Okapi LED improved horizontal and vertical uniformity, reduced glare and improved lighting controls. This reliable system offers more than 12 years of service life to reduce maintenance frequency and expense, based on a 50,000 hours life and 12 hours of operation per day.

- The housing, decorative arm and side mount options are die-cast. The post top mounting option is sand cast
- Choice of 5 reflector options
- IP 66 for the optics and electrical compartment
- Curved (IK09) or flat tempered glass (IK08)
- Ambient temperature from -30 to +50°C

Okapi LED with post top, side mounting and decorative arm.



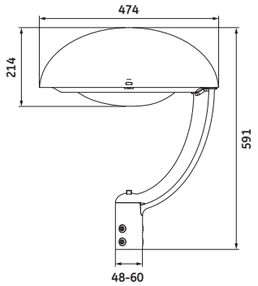




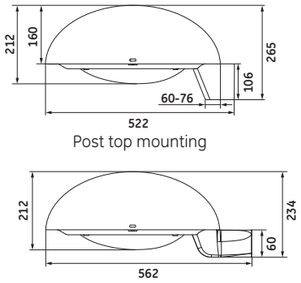


OKAPI LED

Dimensions [mm]

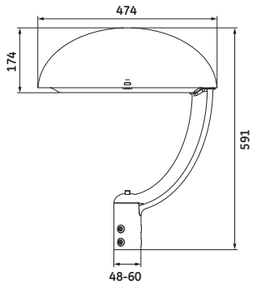


Decorative arm with curved glass



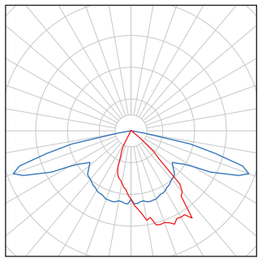
Post top mounting

Side mounting

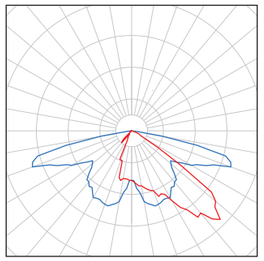


Decorative arm with flat glass

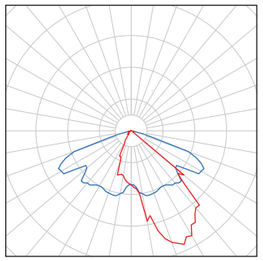
Light Output



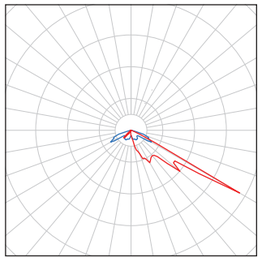
Narrow asymmetric medium Optics BX /
Side or Post top mounting / Curved Glass



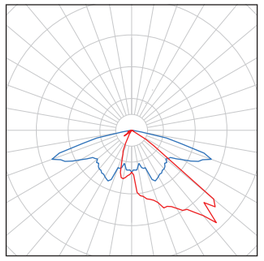
Asymmetric medium Optics EX /
Side or Post top mounting / Flat Glass



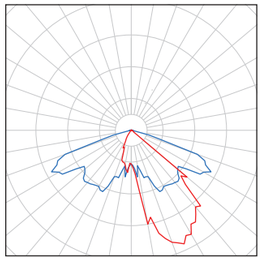
Narrow asymmetric Optics NX /
Side or Post top mounting / Flat Glass



Very narrow asymmetric Optics VX /
Side or Post top mounting / Curved Glass

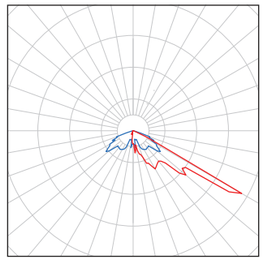


Asymmetric short
Optics CX / Decorative arm / Curved Glass



Narrow asymmetric Optics NX /
Decorative arm / Curved Glass

Additional photometric files available on the webite.



Very narrow asymmetric Optics VX /
Decorative arm / Flat Glass

Additional photometric files available on the webite.

Structures and materials

Housing: is made from three pieces (upper and lower housing, and coupler). The decorative arm and side mount options are die-cast. The post top mounting option is sand cast.

Standard colour: grey 150 sable. All RAL colours availableon request.

Two safe screws: included in the lower housing allowing an easy luminaire opening.

Screws: galvanized.

Electrical and gear compartment

Placed into the lower housing and isolated from the environment with a protection degree IP66 comprising:

Driver support board: the driver is mounted onto a aluminium gear tray. It is easily removable.

Optics

Optical assembly hermetically sealed providing IP66, comprising:

Glass: curved (IK09) or flat tempered glass (IK 08) fixed with a gasket.

Reflector: 5 different reflectors available. Structured LED array for optimized photometric distribution. Utilized high brightness LEDs, 70 CRI at 4000 K & 5700 K typical. LM79 test and reports are performed in accordance with IESNA standards.

Maintenance

System rating: L85 > 50,000 hours at 25°C. Luminaire ambient temperature range: -30°C to +50°C with non energized storage temperature of 85°C

Installation

- Available in European Electrical classes I and II.

Mounting options

- Decorative arm: 48 to 60 mm
- Post top mounting: pole diameter 60 and 76 mm
- Side mounting: pole diameter 60 mm

Specifications

Weight [kg]	12kg with decorative arm, 10.5kg with standard post-top and side mounting. Driver included.
Side surface [m^2]	0.17
Driver	Electronic, programmable & dimmable (DALI). Controllable driver with power reduction and astronomical clock availability.
System consumption	50/60Hz 44W/220-240 max. 20, 30 & 44 W
Reflector	Five different reflectors available
Protection degree	Full IP66
Ambient Operating Temperature [°C]	-30 to +50
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC.

Product Range Overview

Mounting Options	Glass Lens	Reflectors	Power (W)	Colour Temperature (K)	Electrical Class	IP Rating
Decorative arm 48-60mm	Curved	Optics NX	20	4000	I.	66
Post top 60mm	Flat	Optics VX	30	5700	II.	
Post top 76mm		Optics BX	44			
Side mounting 60mm		Optics CX Optics EX				

All combinations are available.

DUNA HID

IK 07

CLASS I

WEIGHT 11-16kg

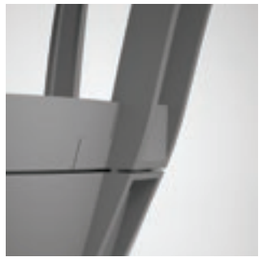
IP OPTICAL 66

IP ELECTRICAL 66

Duna HID is a range of luminaires designed for outdoor decorative lighting using HPS and Metal Halide lamps. Direct symmetric and asymmetric light distribution options enable a full range of amenity lighting solutions for city beautification projects.

- Post-top mounting for Ø60mm diameter poles
- Gear tray supports HPS and Metal Halide ballast up to 150W
- Hermetically sealed providing full IP66



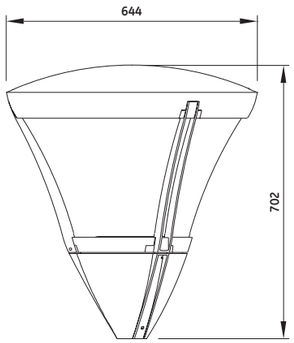


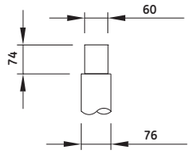




DUNA HID

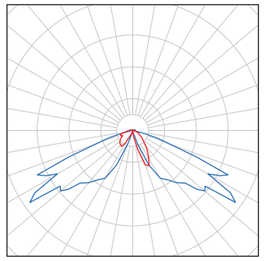
Dimensions [mm]



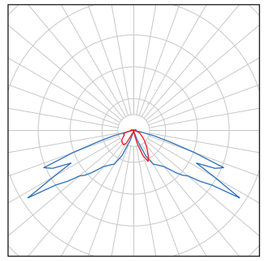


76 to 60mm coupler

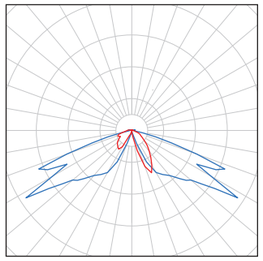
Light Output



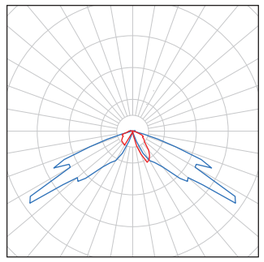
DUNA AD HPS 70W



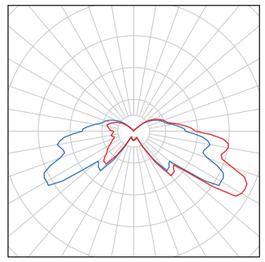
DUNA AD HPS 100W



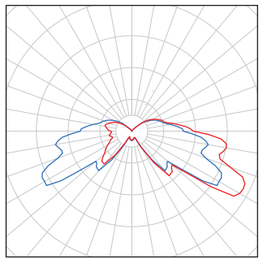
DUNA AD HPS 150W



DUNA AD CMH SW 150W

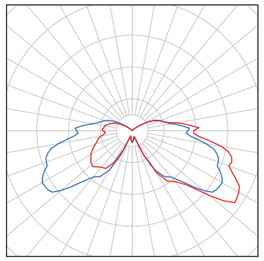


DUNA SD HPS 70W



DUNA SD HPS 100W

Additional photometric files available on the webite.



DUNA SD HPS 150W

Additional photometric files available on the webite.

Structures and materials

Base: die-cast aluminum. Pole mounting device includes a PG-13,5 cable gland for a perfect seal.

Body: die-cast aluminum, with three decorative arms, and two rings. Supports optical components and electrical gear compartment.

Standard colour: oxidon light grey.

Upper cover: one-piece spun aluminium.

Electrical and gear compartment

Control gear: mounted on an easily removable universal tray. The gear tray support HPS and Metal Halide ballast up to 150W.

Electrical disconnection: the supply terminal board provides electrical disconnection once the fixture is opened. Isolated from the environment with a protection degree IP66.

Optics

Optical assembly: hermetically sealed providing IP66. Anti-vandal clear polycarbonate lens, together with one of the following configurations:

- AD: direct asymmetric distribution, with a high purity pressed aluminum reflector (99,85%) anodized and sealed with polycarbonate lens. Minimum light emission towards the upper hemisphere.
- SD: direct symmetric distribution, with a spun aluminum reflector, anodized and sealed with polycarbonate lens.
- AD/VC or AD/VT: direct asymmetric distribution without polycarbonate lens.

Maintenance

Relamping without tools once the luminaire is opened. Except in the AD version. Quick, easy and safe.

Accessories / options

Post-top mounting for Ø60mm diameter poles.
- Electronic version up to 150W
- Bi-level magnetic ballast
- Class II magnetic ballast

Specifications

Weight [kg]	11,00-16,00
Side surface [m^2]	0,163-0,2966
Ballast	Magnetic ballasts: HPS and MH up to 150W, 230V/50Hz Electronic ballasts: HPS and MH up to 150W, 208-277V 50/60Hz
Available Wattages	Magnetic ballasts: 50W, 70W, 100W, 150W Electronic ballasts:50W, 70W, 100W, 150W
Reflector	Direct Symmetric, Direct Asymmetric
Protection degree	Full IP66
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

IBERIA HID

IK 08

CLASS I

CLASS II

WEIGHT 8,5-12,2kg

IP OPTICAL 66

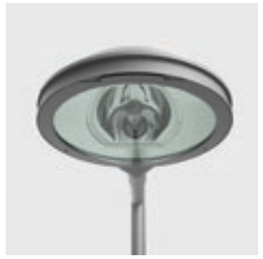
IP ELECTRICAL 44

Iberia HID is a range of luminaires designed for outdoor decorative lighting. Multiple lens types and shapes – together with the availability of support rings and housings in a choice of colours – means this luminaire can be adapted to different environments such as architectural and urban environments, as well as regular roadways.

- Wall mounting, pendant as well asvertical and horizontal tube mounting
- HPS and Metal Halide up to 250W
- Reflectors optimised for either HPS or CMH StreetWise™ lamps

Side-entry and post-top mounting options.



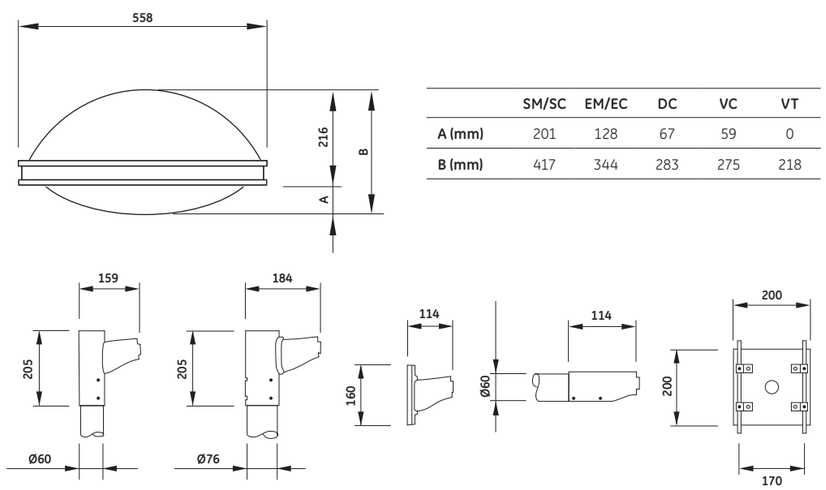






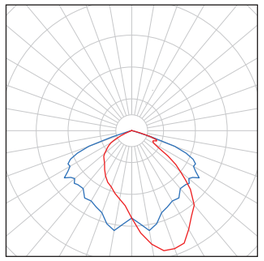
IBERIA HID

Dimensions [mm]

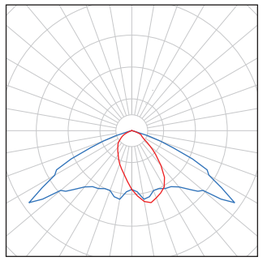


	SM/SC	EM/EC	DC	VC	VT
A (mm)	201	128	67	59	0
B (mm)	417	344	283	275	218

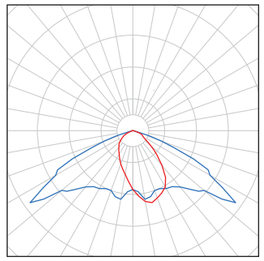
Light Output



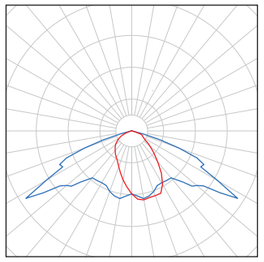
IBERIA HID VT HPS 70W



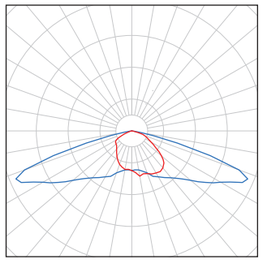
IBERIA HID VT HPS 100W



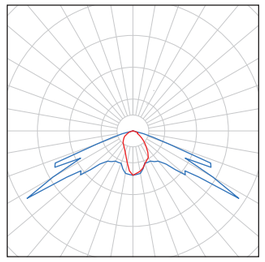
IBERIA HID VT HPS 150W



IBERIA HID VT HPS 250W

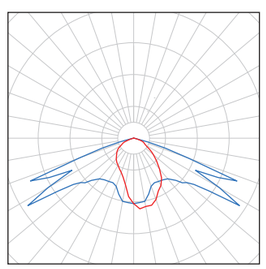


IBERIA HID VT CMH SW 150W

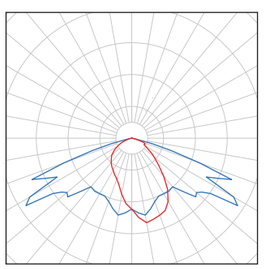


IBERIA HID VC HPS 70W

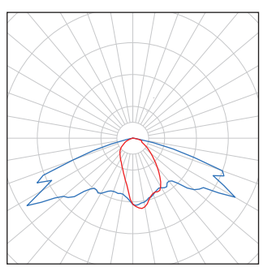
Additional photometric files available on the webite.



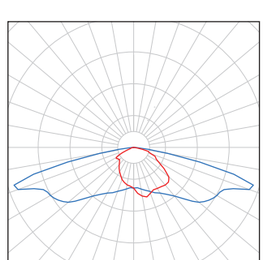
IBERIA HID VC HPS 100W



IBERIA HID VC HPS 150W



IBERIA HID VC HPS 250W



IBERIA HID VC CMH SW 150W

Additional photometric files available on the webite.

Structures and materials

Central ring: die-cast aluminium.

Housing: elliptical die-cast aluminium, fixed to the central ring with three screws for a perfect fit and seal and a hinged die-cast aluminium door that supports the optical assembly. The door includes two polyamide head screws for tool-less opening.

Standard colour: oxidon grey for the Iberia and grey 150 sable for Iberia HID Fitting system that provides multiple configurations.

Electrical and gear compartment

Placed into the lower housing and isolated from the environment with a protection degree IP44.

Ballast support board: manufactured from galvanized sheet. Ballast, ignitor and capacitor are mounted on this board.

Compatibility: allowing tubular lamp mountings for HPS and Metal Halide up to 250W

Optics

Optical assembly hermetically sealed providing IP66, comprising:

Glass: tempered glass or polycarbonate lens sealed to the door with silicone. The lens is mechanical and thermal shock resistant (IK08).

Reflector: 2 different reflectors available, one optimized for HPS lamps and the other for CMH StreetWise™ lamps. Both reflectors are made of high purity aluminium in one piece, finish achieved through anodizing process.

Lampholder: E40 ceramic lamp-holder. Multi-position support allows lamp adjusting in longitudinal and vertical directions for optimal light distribution.

Reflector neck: high temperature resistant plastic. The lamp holder is mounted into the reflector neck through a silicone gasket to ensure a continuous seal.

Maintenance

Tool-less access to the ballast by unscrewing two knurled screws placed into the lower housing.

Accessories / options

Wide range of mounting devices:
- Vertical tube mounting of Ø60 or 76mm. In easy assembly, single, double or triple.
- Vertical tube mounting of Ø60mm through yoke mounting. Incorporates one-piece yoke of die-cast aluminium with two brackets fitted to the support ring.
- Horizontal tube mounting of Ø60mm.
- Wall mounting.
- Optional Class II magnetic gear.
- Electronic version up to 150W.
- Bi-level magnetic ballast.
- Magnetic ballasts available with: bi-level, controlled via switched contacts, bi-level with clock

Specifications

Weight [kg]	9-12
Side surface [m^2]	0.24
Ballast	Magnetic ballasts: HPS and MH up to 250W, 230V/50Hz Electronic ballasts: HPS and MH up to 150W, 208-277V 50/60Hz
Available Wattages	Magnetic ballasts: 70W, 100W, 150W, 250W Electronic ballasts: 70W, 100W, 150W
Reflector	Asymmetric
Protection degree	IP66 optical assembly IP44 gear compartment
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

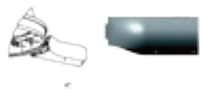
Mounting devices



SP6
POST-TOP Ø 60



SP7
POST-TOP Ø 76



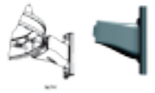
AT
POLE Ø 60



DP6
POST-TOP Ø 60
DOUBLE



DP7
POST-TOP Ø 76
DOUBLE



WM
WALL



TP6
POST-TOP Ø 60
TRIPLE



TP7
POST-TOP Ø 76
TRIPLE



P1
PENDANT 1"

OKAPI HID

IK 08

IK 09

CLASS I

CLASS II

WEIGHT 6.5-8kg

IP OPTICAL 66

IP ELECTRICAL 44/66

Okapi is a contemporary design HID luminaire that can be used to provide optimum lighting solution for walkways, parks & gardens. Its attractive decorative arm enhances its appeal and makes it ideally suited to city beautification projects.

- Reflectors optimised for either HPS or CMH StreetWise™ lamps
- Post top mounting through Ø48-60 mm diameter pole
- Symmetric light distribution

Decorative arm, side mounting and post top mounting options.



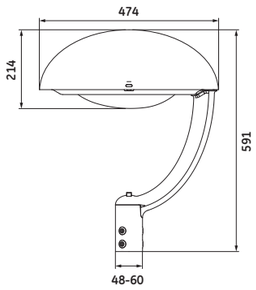




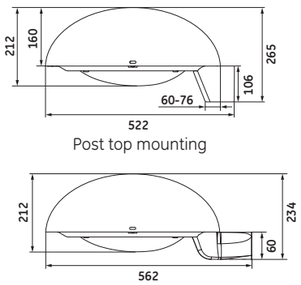


OKAPI HID

Dimensions [mm]

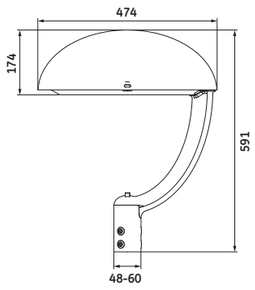


Decorative arm with curved glass



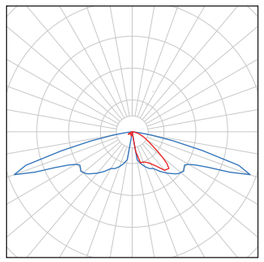
Post top mounting

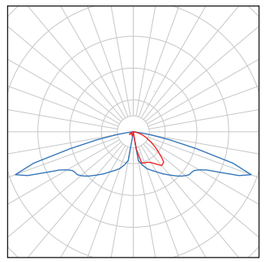
Side mounting

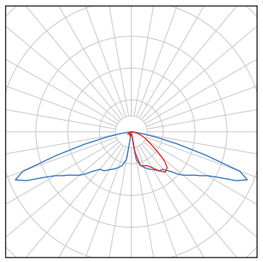


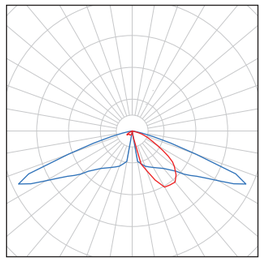
Decorative arm with flat glass

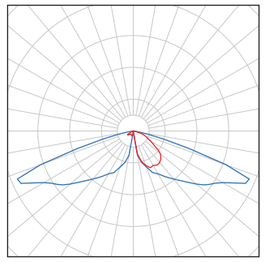
Light Output


OKAPI VT HPS 50W


OKAPI VT HPS 70W


OKAPI VT HPS 100W


OKAPI SW VT CMH SW 70W


OKAPI SW VT CMH SW 100W

Additional photometric files available on the webite.

Structures and materials

Housing: in three pieces (housing ,door and arm), all of them in die-cast aluminium with a polyester powder paint finish and oven-cured.

Standard colour: grey 150 sable.

Vertical mounting: through Ø48-60mm diameter pole.

Two safe screws: included in the lower housing allowing an easy luminaire opening.

Screws: anti-corrosion finish screws and stainless steel.

Electrical and gear compartment

Driver support board: manufactured with aluminium. It is easily removable. Electronic ballast is available.

Optics

Optical assembly hermetically sealed providing IP66, comprising:

Glass: curved (IK09) or flat tempered glass (IK 08) fixed with a gasket.

Reflector: 2 available reflectors (HPS and SW).

Installation

- Available in Class I and Class II (with magnetic ballast)
- Other RAL colors available on request.
- Decorative arm: 48 to 60 mm
- Post top mounting: pole diameter 60 and 76 mm
- Side mounting: pole diameter 60 mm

Specifications

Weight [kg]	8kg with decorative arm, 6.5kg with standard post-top and side mounting. Ballast included.
Ballast	Magnetic ballasts: HPS and MH up to 100W, 230V/50Hz Electronic ballasts: HPS and MH up to 100W, 208-277V 50/60Hz
Available Wattages	Magnetic ballasts: 50W, 70W, 100W Electronic ballasts: 50W, 70W, 100W
Reflector	Asymmetric
Protection degree	IP66 optical assembly IP44 gear compartment Optional: full IP66
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

SYRA

IK 07

CLASS I

CLASS II

WEIGHT 7-10kg

WEIGHT 8-12kg

IP OPTICAL 66

IP ELECTRICAL 44

Syra is an outdoor luminaire available in two sizes with lamp options up to 150W and 250W respectively. This decorative luminaire is ideal for city beautification and urban lighting installations from roads to pedestrian areas and boardwalks.

- Simple mounting plate
- Asymmetric reflector
- HPS and Metal Halide lamps (small up to 150W, large up to 250W)





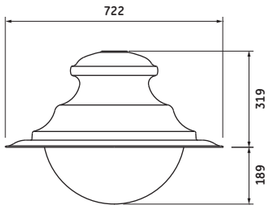




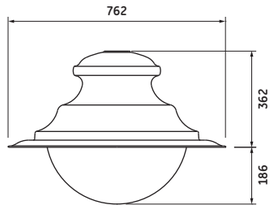
SYRA

Dimensions [mm]

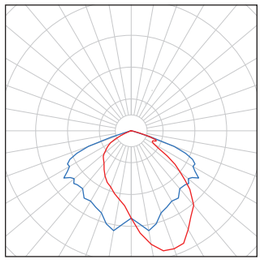
Syra-150



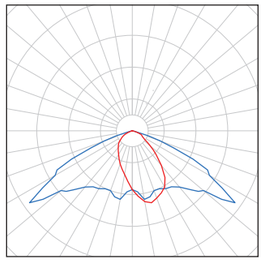
Syra-250



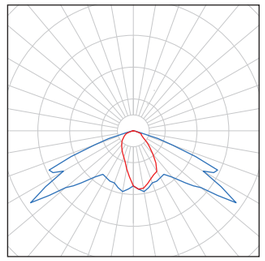
Light Output



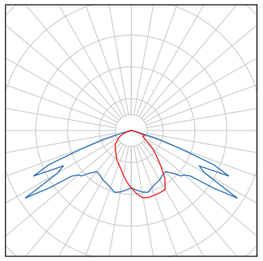
SYRA-150 VT HPS 70W



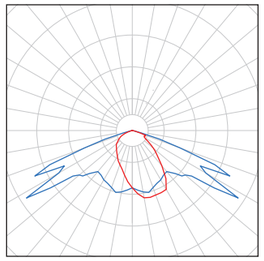
SYRA-150 VT HPS 150W



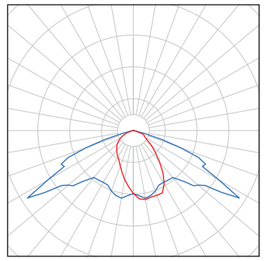
SYRA-150 SC HPS 70W



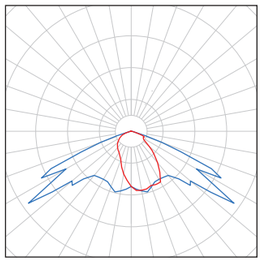
SYRA-150 SC HPS 100W



SYRA-150 SC HPS 150W



SYRA-250 VT HPS 250W



SYRA-250 SC HPS 250W

Additional photometric files available on the webite.

Structures and materials

Housing: in one piece spun aluminum. A die cast aluminum piece in the top of the housing is used for the support of the electrical unit and the mounting device. A hinged door allows access to the optical assembly and the electrical unit without tools.

Standard colour: oxidon grey.

Electrical and gear compartment

Control gear: mounted on an easily removable universal tray, with a terminal block for wires up to 4mm^2. Isolated from the environment with a protection degree IP44.

Compatibility: works with HPS and Metal Halide lamps up to 150W for the small version and 250W for the large one.

Optics

Optical assembly hermetically sealed providing IP66. Easy removal. Comprising:

Reflector: high purity (99,85%) one piece formed aluminum reflector, anodized and sealed. Asymmetric distribution with minimum light emission towards the upper hemisphere.

Lens: spherical, elliptical or drop lens. Clear or stippled polycarbonate. Optionally tempered flat glass resistant to thermal and mechanical shock.

Lampholder: E40 ceramic lamp-holder. Multi-position support allowing lamp adjustment in longitudinal and vertical directions for optimal light distribution.

Maintenance

Lampholder without tools, quick, easy and safe.

Accessories / options

- Optional Class II magnetic ballast
- Bi-level magnetic ballast
- Magnetic ballasts available with: bi-level, controlled via switched contacts, bi-level with clock, bi-level with astronomic clock

Specifications

Weight [kg]	SYRA-150: 7-10 kg SYRA-250: 8-12 kg
Side surface [m^2]	SYRA-150: 0.40 SYRA-250: 0.46
Ballast	Syra-150: magnetic ballasts, HPS and MH up to 150W, 230V/50Hz Syra-250: magnetic ballasts, HPS and MH up to 250W, 230V/50Hz
Available Wattages	Syra-150: 50W, 70W, 150W Syra-250: 100W, 150W, 250W
Reflector	Asymmetric
Protection degree	IP66 optical assembly IP44 gear compartment
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

SUPRA

IK 10

CLASS I

CLASS II

WEIGHT 5-11 kg

IP OPTICAL 55

IP ELECTRICAL 55

Supra is a spherical luminaire with integral reflector designed for both road and area lighting. Its exciting design makes it suitable for all round city use, residential areas, walkways and commercial centres.

- HPS and Metal Halide up to 150W
- Full IP55 protection
- Post top mounting through Ø48-60 mm diameter pole



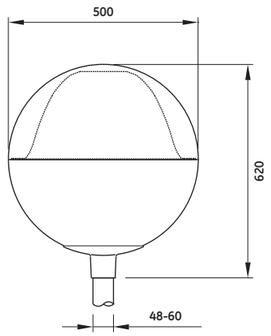




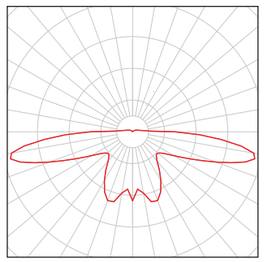


SUPRA

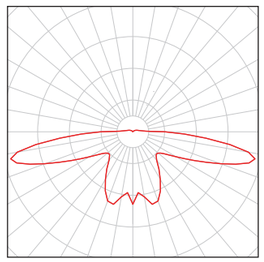
Dimensions [mm]



Light Output



SUPRA-550 LU100/100/XO/T40 FIJA 9V671



SUPRA-550 LU150/150/XO/T40 FIJA 9V668

Additional photometric files available on the webite.

Structures and materials

Base: die-cast aluminium, robust and highly decorative, electrostatically sprayed with a polyester powder paint finish, following anti-corrosion priming, and oven-cured at 180ºC.

Standard colour: RAL 7035 grey.

Mounting system: on a 48 to Ø60mm diameter column.

Electrical and gear compartment

Control gear: fitted to the base gear tray. Degree of protection IP55.

Gear tray supports: HPS and Metal Halide up to 150W.

Optics

Optical assembly sealed for an IP55 degree of protection, consisting of:

Refractor: spherical prismatic refractor extruded in UV stabilised impact-resistant acrylic or polycarbonate. Comprises two sealed parts and incorporates internal and external prisms for optimum light and glare control.

Reflector: symmetric aluminium reflector joined to the upper body of the refractor. Minimizes light emissions towards the upper hemisphere, increasing useful light at ground level.

Optical assembly: fixed to the base with a clamp-type pressure system that can be operated from the outside. **Gasket:** EPDM rubber gasket between the base and the optical assembly.

Accessories / options

Class II with magnetic ballast optional.
The luminaire can be supplied without the internal reflector.

Specifications

Weight [kg]	5.0-11.00
Side surface [m^2]	0.14
Ballast	Magnetic ballasts: HPS and MH up to 150W, 230V/50Hz
Available Wattages	Magnetic ballasts: 70W, 100W, 150W
Reflector / Reflector	Symmetric
Protection degree	Full IP55
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

DS and SCM

IK 08

CLASS I

CLASS II

DS WEIGHT 11-16 kg

SCM WEIGHT 16-20kg

DS IP OPTICAL 55

DS IP ELECTRICAL 55

SCM IP OPTICAL 65

SCM IP ELECTRICAL 44

DS and SCM is a family of robust area lighting luminaries based on highly efficient optical systems with zero light emission towards the upper hemisphere. A range of exterior sizes enables them to be mounted at heights between 4 and 16m while maintaining light uniformity.

- Optical assembly providing IP55 in DS luminaires and IP64 in SCM3
- DS: from 150W to 600W (HPS), 400W (CMH)
- SCM: from 50W to 150W
- Side entry or post top with an aluminium yoke





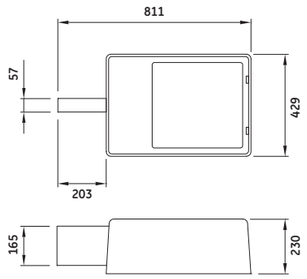




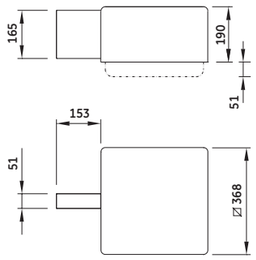
DS-SCM

Dimensions [mm]

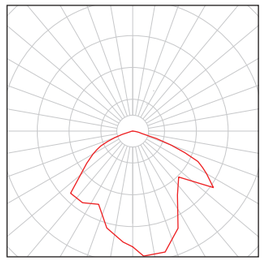
DS-400



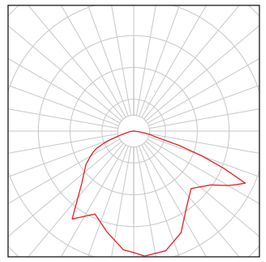
SCM3-175



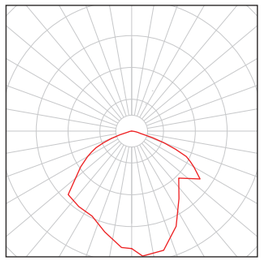
Light Output



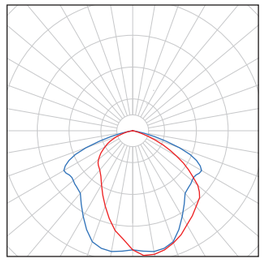
DS-400 CAM HPS 150W



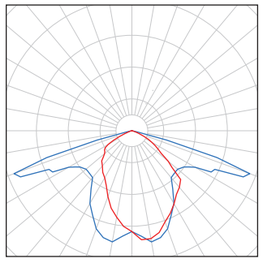
DS-400 CAM HPS 150W



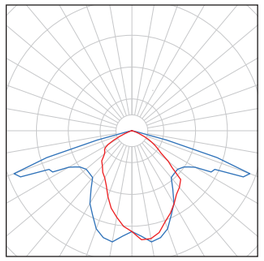
DS-400 CAM HPS 250W



SCM3-175 B HPS 70W



SCM3-175 B HPS 100W



SCM3-175 B HPS 150W

Additional photometric files available on the webite.

Structures and materials

Housing and door: die-cast aluminium electrostatically sprayed with a polyester powder paint finish, following anti-corrosion priming, and oven-cured at 180°C.

Standard colour: RAL 9011 black.

Electrical and gear compartment

Control gear: mounted on a removable tray in DS-1000 and DS-400. Isolated from the environment with a protection degree IP44 in DS and IP44 in SCM3 (IP54 in Class II).

Supports: HPS and Metal Halide lamps up to 150W (SCM3-175), 600W (DS-400).

Optics

Optical assembly providing IP55 in DS luminaires and IP64 in SCM3. Faceted aluminium reflectors of the following types:

- DS-400, long throw (CAL) and forward throw (FGA).
- SCM3-175, medium throw.

Glass: flat tempered glass lens sealed with silicone to the access frame.

Maintenance

Lamp-holder without tools, quick, easy and safe.

Accessories / options

Class II with magnetic ballast. Optional post-top mounting (poles with diameter Ø60mm ending) by means of a decorative cast aluminum yoke.

Specifications

Weight [kg]	DS: 16.00-20.00 SCM: 11.00-16.00
Side surface [m^2]	DS: 0.21 SCM: 0.09
Available Wattages	DS-400: magnetic ballasts, HPS and MH up to 600W, 230V/ 50Hz SCM3-175: magnetic ballasts, HPS and MH up to 150W, 230V/ 50Hz
Available Wattages	DS-400: 100W, 150W, 250W, 400W, 600W SCM3-175: 50W, 70W, 100W, 150W
Reflector	DS-400: CAM, FGA SCM3-175: CAM, SYM
Protection degree	DS-400: IP55 optical assembly IP65 gear compartment SCM3-175: IP65 optical assembly IP44 gear compartment (IP54 in Class II)
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

HISPALIS

IK 10

CLASS I

CLASS II

WEIGHT 14kg

IP OPTICAL 66

IP ELECTRICAL 54

Hispalis is a classic-look decorative outdoor fitting, ideal for the efficient lighting of historical downtown areas and other traditional areas.

- Post top and wall mounting options
- IP66 optical assemble, IP54 gear compartment
- Asymmetric light distribution



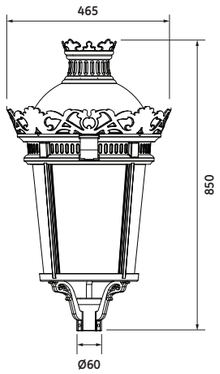




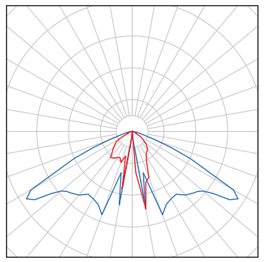


HISPALIS

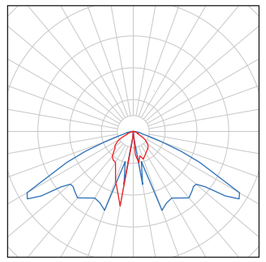
Dimensions [mm]



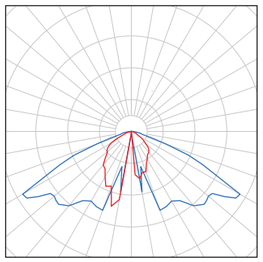
Light Output



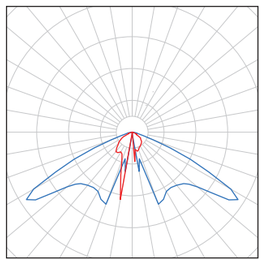
HISPALIS HPS 70W



HISPALIS HPS 100W



HISPALIS HPS 150W



HISPALIS CMH SW 150W

Additional photometric files available on the webite.

Structures and materials

Base: cast aluminium base with Ø60mm diameter post-top mounting device and cover to simplify the supply installation. Extruded aluminium arm to feed supply leads to the control gear. Cast aluminium ring, welded to the arms including the hinge system.

Top housing: cast aluminium top housing with crown being sealed for optimum protection of the hinge system. Latch: integrated stainless steel latch for easy opening without the need of tools.

Electrical and gear compartment

Placed inside the top housing and isolated from the environment with a protection degree IP54.

Ballast support tray: metal tray in galvanized steel with anti-corrosion coating. Ballast, ignitor and capacitor are mounted on the tray.

Compatibility: suitable for tubular lamps, HPS and Metal Halide up to 150W.

Optics

Optical assembly hermetically sealed providing IP66.

Lens: clear polycarbonate lens 3mm thick, UV stabilized. Reflector: asymmetrical made of high purity aluminium hydro-formed and anodized, providing high efficiency and mounted on an aluminium plate.

Support base: multi-position support for E27 allowing lamp adjustment in longitudinal and vertical directions for optimal light distribution.

Gasket: silicone sealed.

Electrical supply entry: inside the luminaire via cable gland.

Maintenance

Tool-less access to the control gear by opening the latch on the lower housing.

Lamp re-lamping access by removing the lamp holder manually, releasing the two latches that support the lamp holder to the neck reflector.

Accessories / options

Classical wall mounting bracket made of die cast aluminium with a polyester powder finish and oven-cured.

Class II with magnetic ballast and power saving. Magnetic ballasts available with:

-bi-level, controlled via switched contacts
-bi-level with clock

Specifications

Weight [kg]	14.00
Side surface [m^2]	0.22
Ballast	Magnetic ballasts: HPS and MH up to 150W, 230V/50Hz
Available wattages	Magnetic ballast: 70W, 100W, 150W
Reflector	Asymmetric
Protection degree	IP66 optical assembly IP44 gear compartment
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.



Area Lighting


LED AREA LIGHTER **134**


SBF **140**


WL&WM **146**

LED AREA LIGHTER

IK 08

CLASS I

WEIGHT 12/18kg

IP OPTICAL 65

IP ELECTRICAL 65

The GE LED Area Lighter is perfect for site, area and general lighting. It utilises an advanced LED optical system providing uniformity, improved vertical light distribution, reduced off-site and on-site glare and effective security light levels.

- Modular design and excellent vertical luminance
- Integral dimmable driver
- 85% lumen maintenance at 50,000 hours



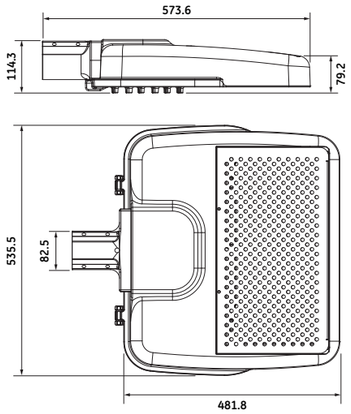




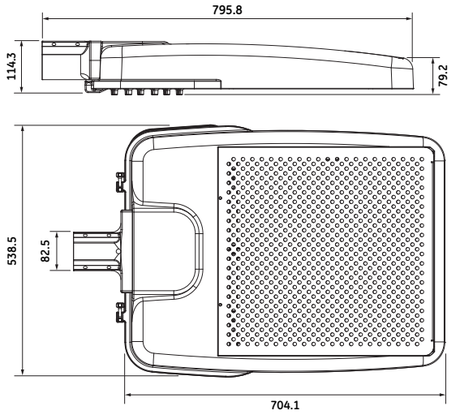


LED AREA LIGHTER

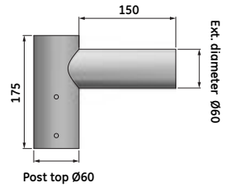
Dimensions [mm]



Small (single) module fixture

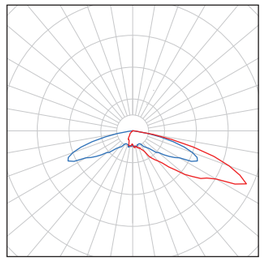


Medium (double) module fixture

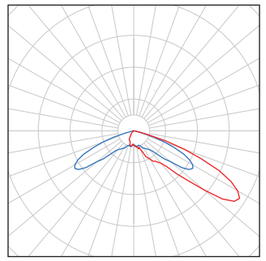


Post top adapter

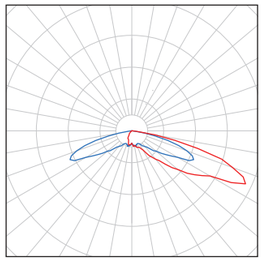
Light Output



ALE SINGLE/ASY3/100/4000/AT

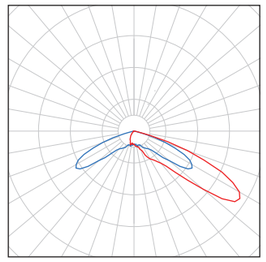


ALE SINGLE/ASY4/100/4000/AT

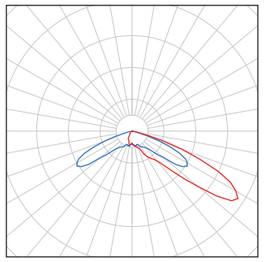


ALE DOUBLE/ASY3/200/4000/AT

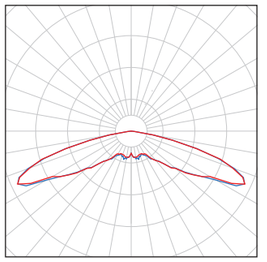
Additional photometric files available on the webite.



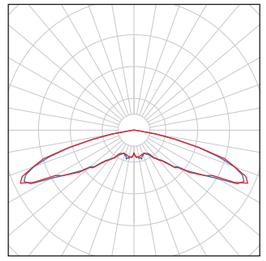
ALE DOUBLE/ASY4/162/5700/AT



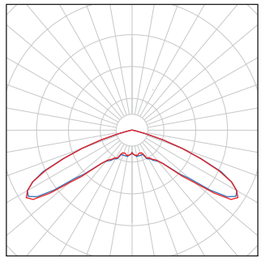
ALE DOUBLE/ASY4/200/4000/AT



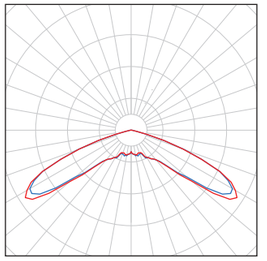
ALE DOUBLE/SM5/150/5700/AT



ALE DOUBLE/SM5/200/4000/AT



ALE DOUBLE/SS5/150/5700/AT



ALE DOUBLE/SS5/200/4000/AT

Additional photometric files available on the webite.

Structures and materials

Housing: die-cast aluminium. Slim architectural design incorporates modular heat sink light engines directly into the unit, ensuring maximum heat transfer, long LED life and a reduce EPA.

Housing material: corrosion resistant polyester, powder painted, minimum 2.0 mm thickness.

Standard colour: RAL9011 black. Other RAL colors available on demand.
Meet 2G vibration test.

Electrical and gear compartment

Driver: the dimmable analog driver is mounted in a separate compartment, isolated from the optical assembly, with a protection of IP65.

Nominal line voltage: 200-277V 50/60Hz.

Optics

Optical assembly: hermetically sealed providing IP65.

Structured LED arrays: for optimised area light photometric distribution.

GE modular light engine: consisting of nested concentric directional reflectors designed to optimised application efficiency and minimise glare.

Utilises High Brightness LEDs: 70 CRI at 4000K and 5700K typical, binned per ANSI C78.377-2008.

Photometric measurement: in accordance with LM-79.

Maintenance

System rating is 50,000 hours at L85.

Installation

Standard side entry mounting: on 60mm diameter poles.

Optional post-top: on 60mm diameter poles, using a steel deviced painted in black colour. This coupling must be ordered separately.

Ambient temperature: -40°C to +50°C.

Specifications

Weight [kg]	Single: 12 Double: 18
Side surface [m^2]	0.13
Driver	Single unit have one driver and double unit have two drivers. 100W each, 230V, 50/60Hz. Dimming 0-10V
System consumption	Single module version = 50-100W Double module version = 100-200W
Reflector	Symmetric and Asymmetric
Protection degree	Full IP65
Ambient Operating Temperature [°C]	-40 to +50
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC.

SBF

IK 08

CLASS I

WEIGHT 4-6kg

IP OPTICAL 55

IP ELECTRICAL 55

SBF is an extremely compact floodlight with integrated ballast for high-intensity discharge lamps up to 175W and narrow or wide-beam reflectors. Applications include the illumination of signs, facades, parks and gardens, displays and monuments.

- Full IP55, optical assemble and gear compartment
- Threaded swivel mount (½") includes aiming degree indicator
- Up to 150W HID lamps



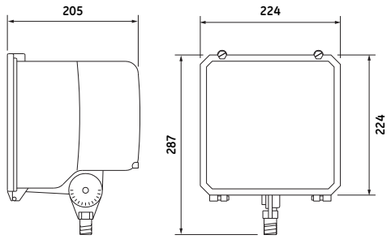




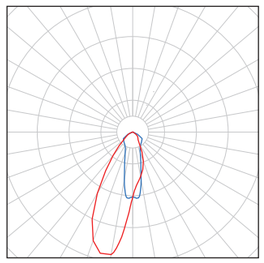


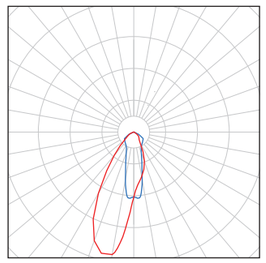
SBF

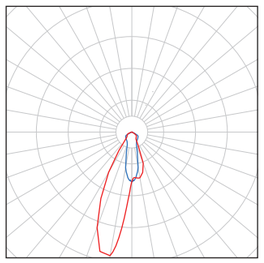
Dimensions [mm]

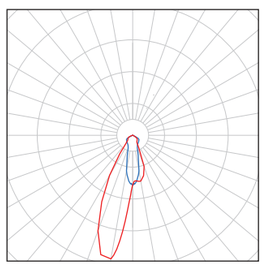


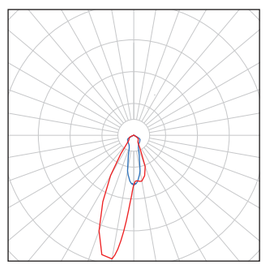
Light Output

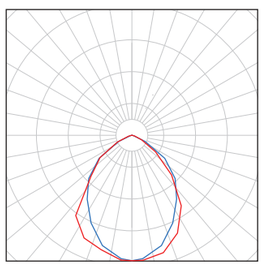

SBF-C HPS 50W

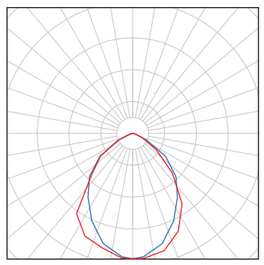

SBF-C HPS 70W

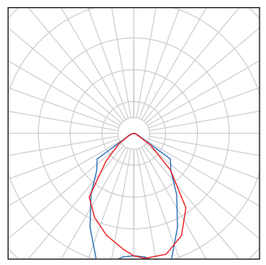

SBF-C CMH 70W

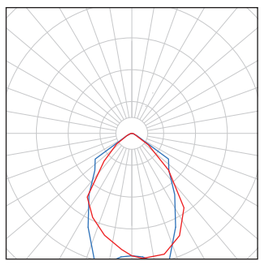

SBF-C CMH 100W


SBF-C MH 150W


SBF-D HPS 50W


SBF-D HPS 70W


SBF-D CMH 70W


SBF-D CMH 100W

Additional photometric files available on the webite.

Structures and materials

Housing: in three parts (housing, door and swivel mount) in die-cast aluminium, electrostatically sprayed with a polyester powder paint finish, following anti-corrosion priming, and oven cured at 180°C.

Standard colour: RAL 9011 black.

Access door: hinged, detachable.

Electrical and gear compartment

Integrated ballast in high power factor. With a protection degree IP55.

Gear tray: HPS lamps up to 70W and Metal Halide lamps up to 150W, all with an E27 cap.
Insulation: Class I.

Optics

Optical assembly sealed providing IP55, comprising:

- Flat tempered glass lens attached to door.
- Aluminium reflectors providing narrow (C) and wide (D) beam.
- EPDM gasket between glass lens and housing.

Maintenance

Frontal access to lamp and control gear. Twin-screw opening of luminaire.

Installation

½" threaded swivel mount includes aiming degree indicator.

Accessories / Options

- Mounting bracket optional.
- Glare control visors.

Specifications

Weight [kg]	4.00-6.00
Ballast	Magnetic ballasts: HPS and MH up to 150W, 230V/50Hz
Available Wattages	Magnetic ballast: 50W, 70W, 100W, 150W
Reflector	Symmetric and Asymmetric
Protection degree	Full IP55
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

WL & WM

IK 10/08

CLASS I

WEIGHT 6-14kg

IP OPTICAL 55

IP ELECTRICAL 55

WL and WM are wall mounted luminaires designed for lighting building perimeters, patios, lobbies, corridors, loading bays, garages, pedestrian and vehicle underpasses, porches and arcades.

- HPS and Metal Halide lamps up to 250W
- Asymmetric light distribution
- Full IP55, optical assembly and gear compartment





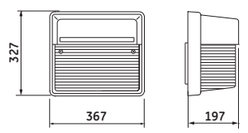




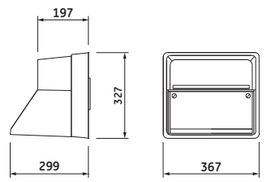
WL & WM

Dimensions [mm]

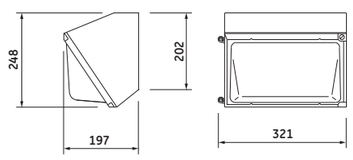
WL-175



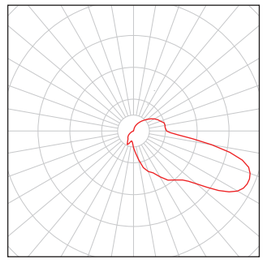
WL-250BR



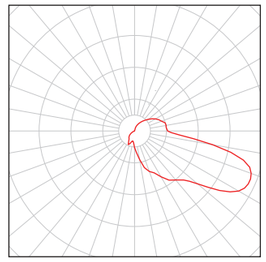
WM-175



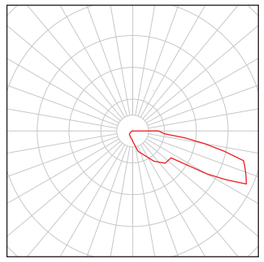
Light Output



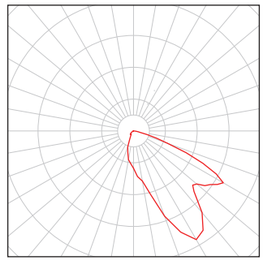
WL-175 HPS 50W



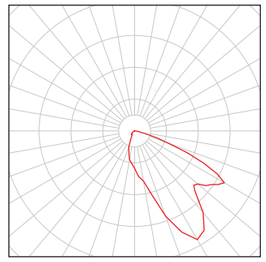
WL-175 HPS 100W



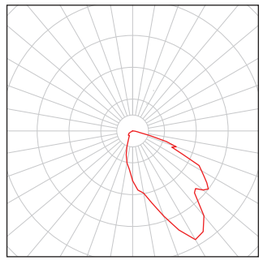
WL-175 CMH 150W



WL-250 BR HPS 70W

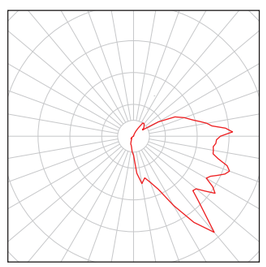


WL-250 BR HPS 150W

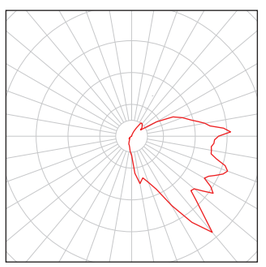


WL-250 BR CMH 250W

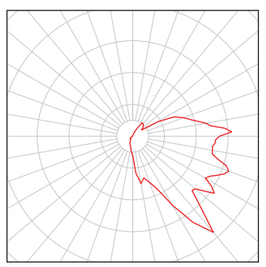
Additional photometric files available on the webite.



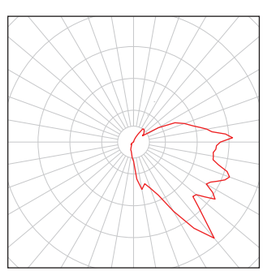
WM-175 HPS 50W



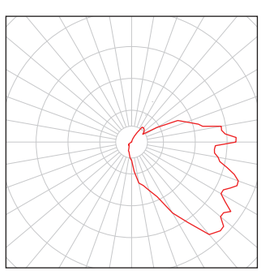
WM-175 HPS 70W



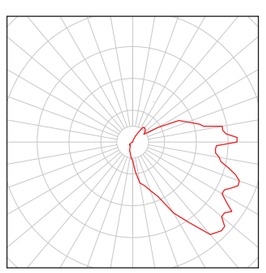
WM-175 HPS 100W



WM-175 HPS 150W



WM-175 CMH 100W



WM-175 CMH 150W

Additional photometric files available on the webite.

Structures and materials

WL-175 and WM-175: the housing is die-cast aluminium in two pieces (housing and door).

WL-250 BR: the housing comprises three pieces (base, front housing and cover) in die-cast aluminium.

WM-175 and WL-250 BR: the pieces are a dark bronze colour, electrostatically sprayed with a polyester powder paint finish, following anti-corrosion priming, and oven-cured at 180ºC.

WL175: with polycarbonate front lens; Acrylic (A) optional.

Electrical and gear compartment

Electrical unit incorporated in the base of the luminaire. With a protection degree IP55 for:

- HPS and Metal Halide (MH) lamps up to 150W (WL-175 & WM-175). It is recommended to use diffuse lamps in the WL-175 luminaire. Please contact us for using any other lamp type.
- HPS and MH lamps up to 250W (WL-250 BR).
- Insulation class I.

Optics

Optical assembly sealed providing IP55, comprising:

Refractor: prismatic polycarbonate.

Gasket: EPDM gaskets between lens and housing, in case of WL-175.

Glass: flat tempered glass lens sealed with silicone to the cover in the WL-250 BR. Prismatic borosilicate glass with a silicone gasket in the WM-175.

Reflector: aluminium.

Maintenance

Frontal access to lamp and control gear.

Installation

Direct wall mounting.

Specifications

Weight [kg]	6.00-14.00
Ballast	WL: magnetic ballasts, HPS and MH up to 150W, 230V/ 50Hz WM: magnetic ballasts, HPS and MH up to 150W, 230V/ 50Hz
Available Wattages	WL&WM: 50W, 70W, 100W, 150W
Reflector	Symmetric and Asymmetric
Protection degree	Full IP65
Ambient Operating Temperature [°C]	-40 to +50
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

Facade and Flood


FLOODLIGHT LED **154**


EUROFLOOD **160**


PFE-154 **166**


PFE-400 **172**


PFE-1000 **178**

FLOODLIGHT LED

IK 04

CLASS I

WEIGHT 12kg

IP OPTICAL 65

IP ELECTRICAL 65

The Floodlight LED meets a variety of lighting needs across three different applications: architectural, site lighting and signage. A choice of optics makes it an extremely flexible and versatile LED solution, delivers excellent quality of light just where it is required. The LED Floodlight delivers uniform lighting with no hot spots and with improved lighting of upper areas of buildings.

- Choice of 5 optics: narrow, medium, wide flood, poster, bulletin
- IP 65 for the optics and electrical compartment
- Choice of 3 mountings: trunnion, slipfitter, and wall mounting
- Colour temperatures of 3000, 4000 and 6000K



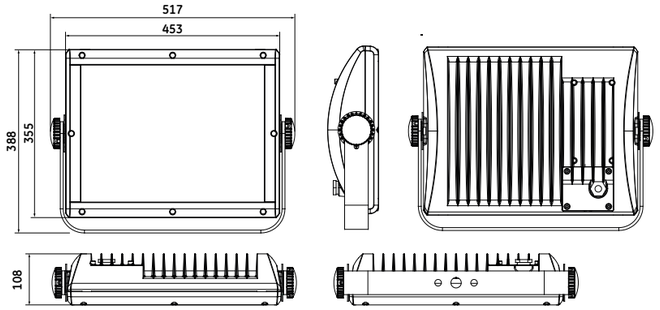




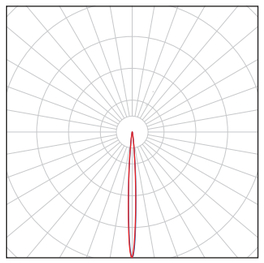


FLOODLIGHT LED

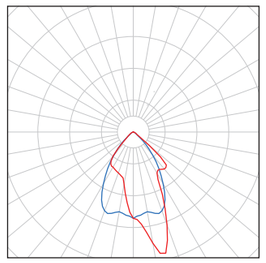
Dimensions [mm]



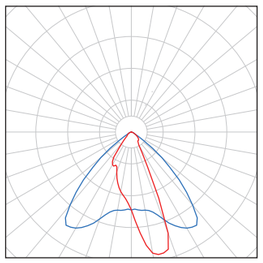
Light Output



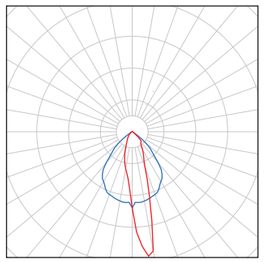
FLOODLIGHT LED/NS/3000K 90W



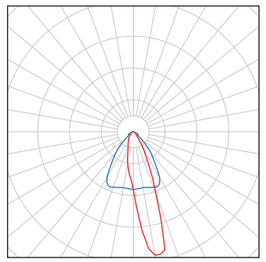
FLOODLIGHT LED/MF/3000K 90W



FLOODLIGHT LED/WF/3000K 90W



FLOODLIGHT LED/PO/3000K 90W



FLOODLIGHT LED/BU/3000K 90W

Additional photometric files available on the webite.

Structures and materials

Housing: Die cast aluminum housing electrostatically sprayed with a polyester powder paint finish, following anti-corrosion priming, and oven cured at 180ºC.

Standard colour: RAL 7001, silver. Meets 2G vibration standards.

Electrical and gear compartment

Dimmable 0-10volt driver. Isolated from the environment.
Protection degree: IP65.

Nominal line voltage: 200-277V 50/60Hz. PF>0.9.

Class: I.

Cable: silicon rubber cable for power input. Fasten with screw in the cable gland.

Ambient temperature: –25ºC to +40ºC.

Optics

Optical assembly: hermetically sealed providing IP65.

Great light uniformity: Thanks to the advance LED optical systems the fixture maximize the utilization of light onto the target area, improving the uniformity of light.

Choice of optics: The Floodlight LED offers a choice of five different optical versions, all of them with a maximum system consumption of 90W.

- Narrow Spot NEMA (1x1)
- Medium Flood NEMA (5x5)
- Wide Flood NEMA (6x5)
- Poster NEMA (6x5)
- Bulletin NEMA (5x4)

The two last are specifically designed for sign lighting applications. Illuminating face in the vertical plane of the signs.

Color temperature: LED floodlight provide a range of colour temperatures from 3000, 4000 and 6000 Kelvin helping to enhance a bulding's exterior.

Maintenance

70% lumen maintenance at 50,000 hours.

Installation

Three kits available for the installation.

- Trunnion mounting using a heavy-gauge steel bracket with aiming degree indicator.
- Slipfitter mounting adapter to be installed in a pole with 48 to 73mm diameter
- Wall mounting bracket that is fasten to the floodlight LED through the slipfitter mounting adapter.

Specifications

Weight [kg]	12.00
Side surface [m^2]	0.16
Driver	90W, 208-277V 50/60Hz
System consumption	90W
Reflector	Narrow Spot NEMA (1x1) – symmetric Medium Flood NEMA (5x5) – asymetric medium Wide Flood NEMA (6x5) – asymetric wide Poster NEMA (6x5) – asymetric medium Bulletin NEMA (5x4) – asymetric wide
Protection degree	Full IP65
Ambient Operating Temperature [°C]	-25 to +40
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC.

EUROFLOOD

IK 08

CLASS II

WEIGHT 5-10kg

IP OPTICAL 65

IP ELECTRICAL 65

Euroflood is a versatile floodlight which comes in 3 different sizes with integrated ballast compartment for single-ended HPS and Metal Halide (MH) lamps up to 600W. The different available optics provide a rectangular beam and offer extraordinary vertical cut-off control.

- Full IP65 protection
- 3 different sizes each with the maximum of 150W, 250W and 600W
- with integrated ballast compartment





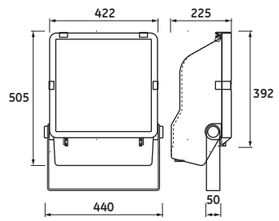




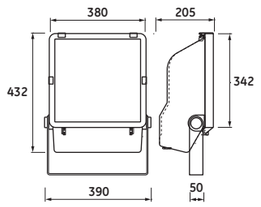
EUROFLOOD

Dimensions [mm]

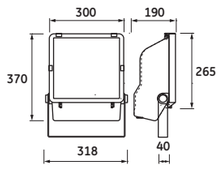
EF40



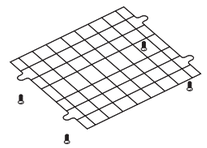
EF25



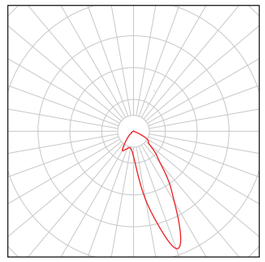
EF15



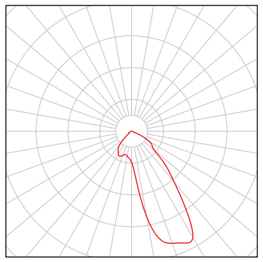
Wireguard



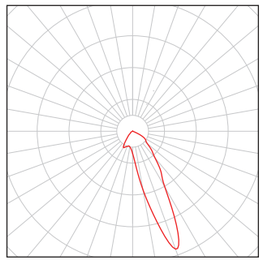
Light Output



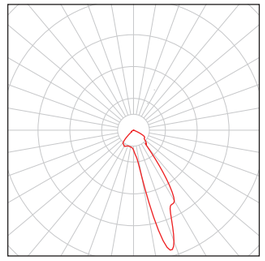
EF-15 ASY MH 70W



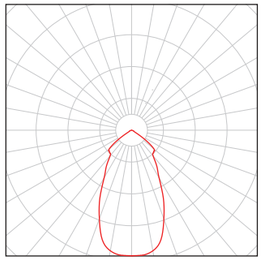
EF-15 ASY MH 100W



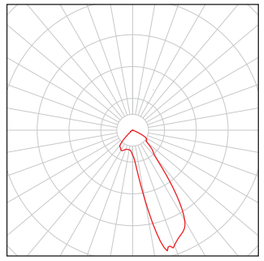
EF-15 ASY MH 150W



EF-25 ASY HPS 150W

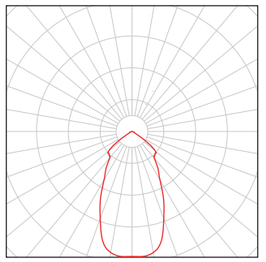


EF-25 SYM HPS 150W

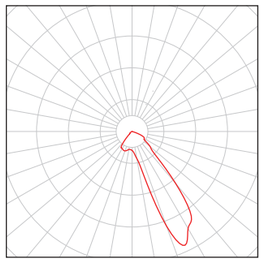


EF-25 ASY HPS 250W

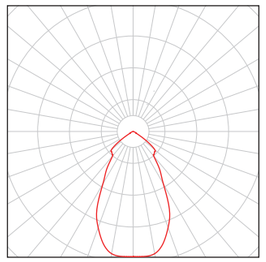
Additional photometric files available on the webite.



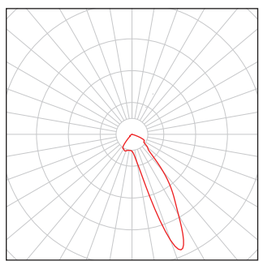
EF-25 SYM HPS 250W



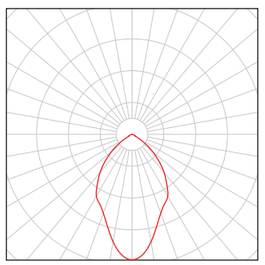
EF-40 ASY CMH 250W



EF-40 SYM CMH 250W



EF-40 ASY CMH 400W



EF-40 SYM CMH 400W

Additional photometric files available on the webite.

Structures and materials

Housing in two parts (housing and door) in Glass fibre reinforced Polyamide 66.

Standard colour: RAL 9005 black.

Access door: hinged, detachable.

Clips: stainless steel.

Installation: mounting by way of heavy-gauge steel brackets with aiming degree indicator.

Electrical and gear compartment

Electrical unit fitted to removable tray. With a protection degree IP65. For HPS 600W and MH 400W. Insulation class II.

Optics

Optical assembly sealed providing IP65, comprising:

- Flat tempered glass lens sealed with silicone to the door.
- Aluminium reflectors with various optics offering a rectangular beam.
- EPDM gasket between housing and glass lens.

Maintenance

Frontal access to lamp and control gear. Stainless steel clip opening.

Accessories / Options

- Protective guard: 3mm electric welded galvanized steel wire. It is anchored to frame with self-tapping screws.
- Wire guards, etc.

Specifications / Specifications

Weight (kg)	EF 15: 5,00 EF 25: 9,50 EF 40: 10,90
Ballast	EF 15: magnetic ballasts, HPS and MH up to 150W, 230V/50Hz EF 25: magnetic ballasts, HPS and MH up to 250W, 230V/50Hz EF 40: magnetic ballasts, HPS 600w and MH 400w, 230V/50Hz
Available Wattages	EF 15: 70W, 100W, 150W EF 25: 150W, 250W EF 40: 250W, 400W, 600W
Reflector	Symmetric and Asymmetric
Protection degree	Full IP65
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

PFE-154

IK 08

CLASS I

WEIGHT 10-13kg

IP OPTICAL 65

IP ELECTRICAL 65

PFE-154 is a compact design floodlight with integrated ballast for lighting of sports tracks, car parks, building facades, railway platforms, storage areas, etc. An optional roadway-type reflector enables it to be used to light smaller streets, where it can be mounted on facades.

- Supports high-intensity discharge lamps up to 250W
- Wide-beam reflector with lamp mounted parallel to the support bracket
- Full IP65 protection



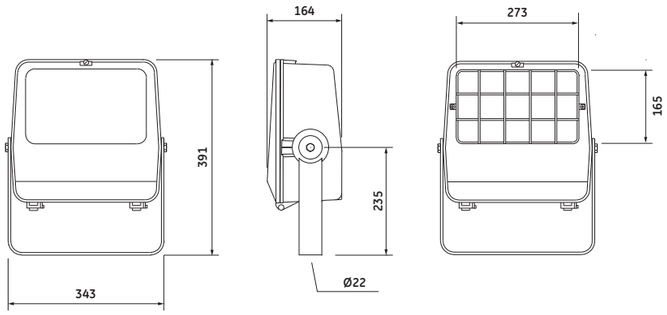




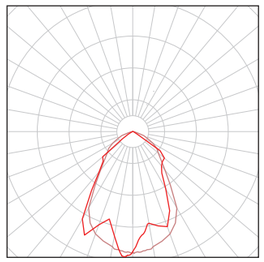


PFE-154

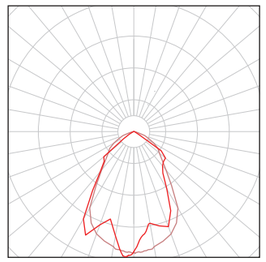
Dimensions [mm]



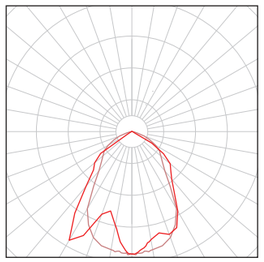
Light Output



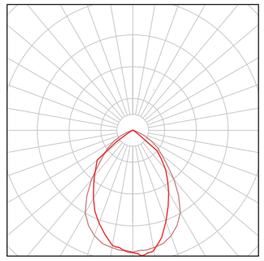
PFE-154 HPS 50W



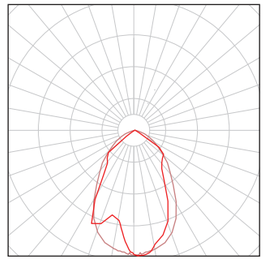
PFE-154 HPS 70W



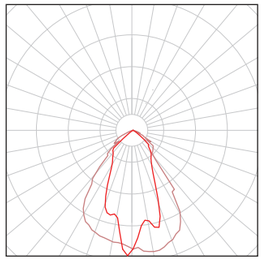
PFE-154 HPS 100W



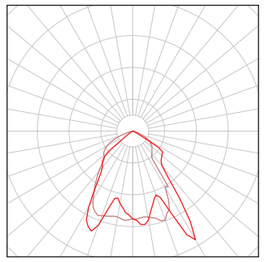
PFE-154 HPS 150W



PFE-154 HPS 250W



PFE-154 CMH SW 150W



PFE-154 CMH 250W

Additional photometric files available on the webite.

Structures and materials

Housing: In two parts (housing and door) in die-cast aluminium, electrostatically sprayed with a polyester powder paint finish, following anti-corrosion priming, and oven cured at 180°C.

Standard colour: RAL 9011 black.

Access door: Hinged, detachable.

Electrical and gear compartment

Ballast: Integrated ballast in high power factor. With a protection degree IP65.

Gear tray: HPS and Metal Halide (MH) lamps up to 250W. Consult for mounting with HPS or MH double-ended lamps. Mounting receptacle with PG-13.5 cable gland.

Insulation: Class I.

Optics

Optical assembly sealed providing IP65, comprising:

Lens: flat tempered glass lens sealed with silicone to the door.

Reflector: aluminium reflectors with two optics available, a broad rectangular and a roadway-type beam.

Gasket: EPDM gasket between housing and door.

Maintenance

Front access to lamp and control gear. Screw opening of luminaire. Optional tool-less opening.

Installation

Mounting by way of heavy-gauge steel bracket with aiming degree indicator. Aiming by way of integrated sight.

Accessories / Options

- Optional tool-less opening by means of stainless steel latches (R).
- The floodlight may incorporate a fuse. FUS option.
- Accessories for glare control visors and louvres, polycarbonate vandal shields, wire guards, etc.

Specifications

Weight [kg]	10.00-13.00
Ballast	Magnetic ballasts: HPS and MH up to 250W, 230V/50Hz
Available Wattages	Magnetic ballasts: 50W, 70W, 100W, 150W, 250W
Reflector	Symmetric and asymmetric
Protection degree	Full IP65, optical assemble and gear compartment
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

PFE-400

IK 08

CLASS I

WEIGHT 20kg

X kg

IP OPTICAL 66

IP ELECTRICAL 66

PFE-400 is a powerful floodlight that can feature up to 400W HPS lamps. It provides excellent illumination of extensive outdoor areas such as facades, airport aprons, tunnels, motorway junctions and intersections.

- IP65 for electrical and optical compartments
- Choice of 9 different optics for floodlighting and 4 for tunnel applications
- Up to 400W HPS and MH lamps



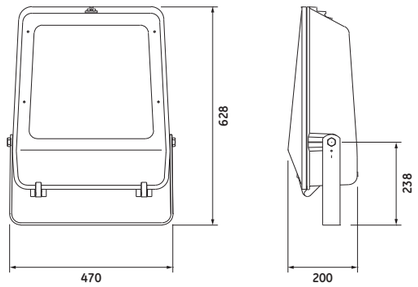




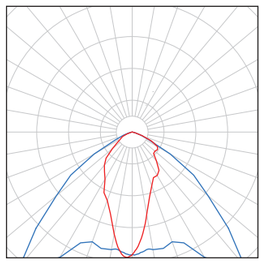


PFE-400

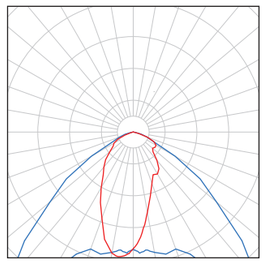
Dimensions [mm]



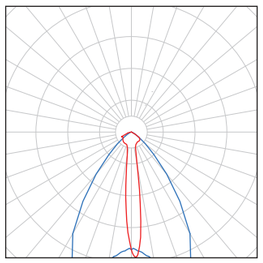
Light Output



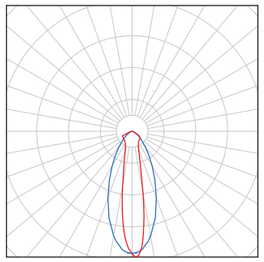
PFE-400 V 6x6 HPS 250W



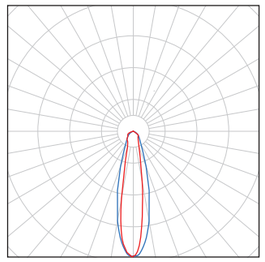
PFE-400 V 7x6 HPS 400W



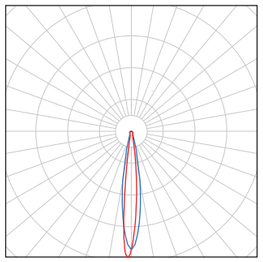
PFE-400 H 6x3 HPS 250W



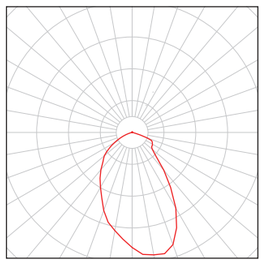
PFE-400 H 5x4 HPS 400W



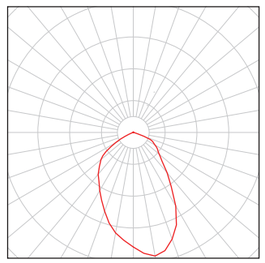
PFE-400 H 4x4 MH 400W



PFE-400 H 3x2 MH 400W



PFE-400 H 4x4 MH 400W



PFE-400 H 3x2 MH 400W

Additional photometric files available on the webite.

Structures and materials

Housing: in two parts (housing and door) in die-cast aluminium, electrostatically sprayed with a polyester powder paint finish, and oven cured at 180°C.

Bracket: hot deep galvanized sprayed with a polyester powder paint finish and oven cured at 180°C.

Standard colour: RAL 9011 black.

Access door: hinged, detachable.

Electrical and gear compartment

Gear tray: electrical unit fitted to removable tray. With a protection degree IP66. For HPS and Metal Halide (MH) lamps up to 400W. A bi-power system can be fitted to the MV or HPS lamps up to 400W.

Mounting: receptacle with PG-13.5 cable gland. Optional fitting of second cable gland.

Insulation: Class I.

Optics

Optical assembly sealed providing IP66, comprising:

- Flat tempered glass lens sealed with silicone to the door.
- Faceted or smooth aluminium reflectors (four types) for different photometric distributions.
- Extruded EPDM gasket between housing and door.

Maintenance

Front access to lamp and control gear. Screw opening of luminaire. Optional tool-less opening.

Installation

Mounting by way of heavy-gauge steel bracket with aiming degree indicator. Aiming by way of integrated sight.

Accessories / Options

- Optional tool-less opening by means of stainless steel latches (R).
- The floodlight may incorporate a fuse. FUS option.
- Accessories for glare control visors and louvres, polycarbonate vandal shields, wire guards, etc.

Specifications

Weight [kg]	20.00
Side surface [m^2]	0.23
Ballast	Magnetic ballasts: HPS and MH up to 400W, 230V/50Hz
Available wattages	Magnetic ballasts: 100W, 150W, 250W, 400W
Reflector	Asymmetric and Symmetric
Protection degree	Full IP66
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

PFE-1000

IK 08

CLASS I

WEIGHT 17-24kg

IP OPTICAL 65

IP ELECTRICAL 65

PFE-1000 is a powerful floodlight that can feature up to 1000W HPS lamps. It provides excellent illumination of extensive outdoor areas such as car parks, sports facilities, recreational areas, facades, airport aprons, motorway junctions and intersections.

- IP55 for electrical and optical compartments
- Choice of 4 optics
- Up to 1000W HPS and MH lamps



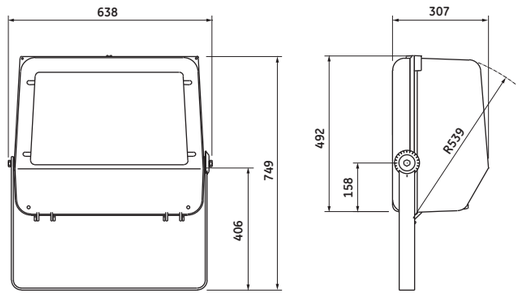




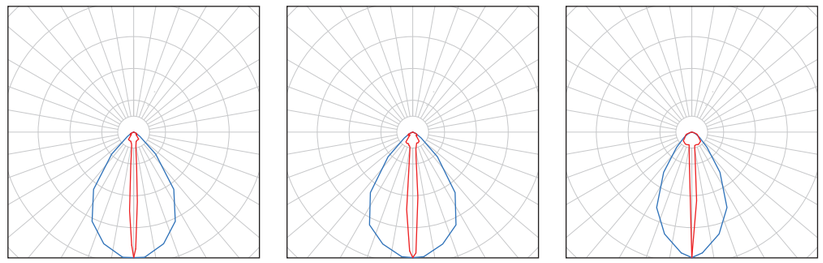


PFE-1000

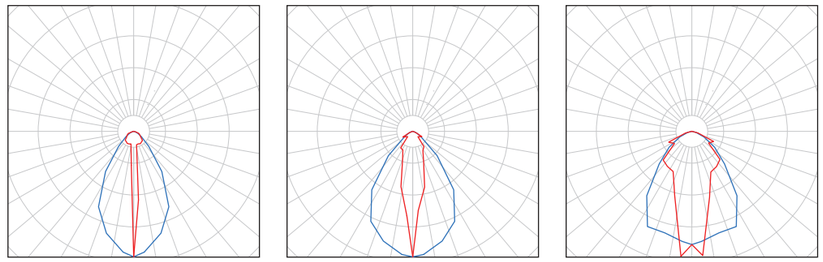
Dimensions [mm]



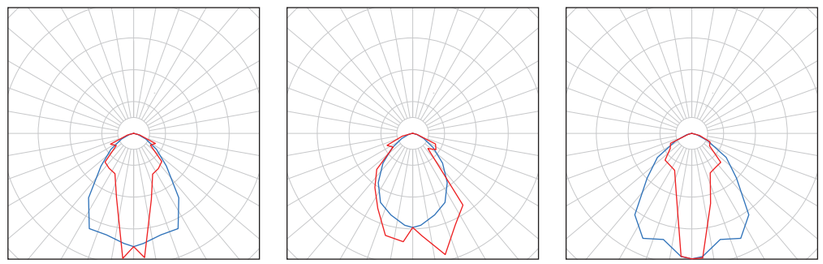
Light Output



LU1000/110/T/40 | LU1000/110/T/40 | LU400/XO/T/40



LU600/XO/T/40 | LU1000/110/T/40 | LU400/XO/T/40



LU600/XO/T/40 | LU1000/110/T/40 | MVR1000/U/40

Additional photometric files available on the webite.

Structures and materials

Housing in two parts (housing and door) in die-cast aluminium, electrostatically sprayed with a polyester powder paint finish, following anti-corrosion priming, and oven cured at 180ºC.

Standard colour: RAL 9011 black. Hinged, detachable access door.

Electrical and gear compartment

Gear tray: electrical unit fitted to removable tray. With a protection degree IP65. For HPS and Metal Halide lamps up to 1000W.

Insulation: Class I.

Optics

Optical assembly sealed providing IP65, comprising:

Lens: flat tempered glass lens sealed with silicone to the door.

Reflector: aluminium reflectors with various optics offering a rectangular beam.

Gasket: EPDM gasket between housing and door.

Maintenance

Front access to lamp and control gear. Screw opening of luminaire.

Installation

Mounting by way of heavy-gauge steel brackets with aiming degree indicator.
Other brackets available upon request. Aiming by way of integrated sight.

Accessories / Options

- The floodlight may incorporate a fuse. FUS option.
- Accessories for glare control visors and louvres, polycarbonate vandal shields, wire guards, etc.

Specifications

Weight [kg]	17.00-24.00
Ballast	Magnetic Ballasts: HPS and MH up to 1000W, 230V/50Hz
Available Wattages	Magnetic ballasts: 400W, 600W, 1000W
Reflector	Symmetric and asymmetric
Protection degree	Full IP65
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.



Tunnel


TUNNEL LED **186**


TUNNEL T5 **192**


PFE-400 **198**


V2F **204**

TUNNEL LED

IK 04

CLASS I

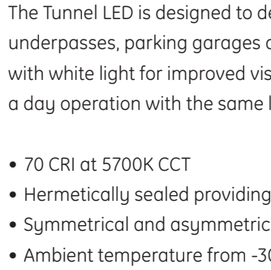
WEIGHT 15kg

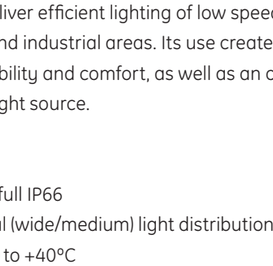
IP OPTICAL 66

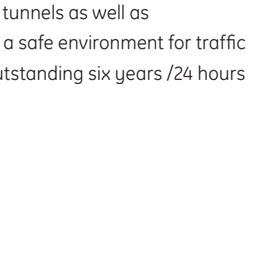
IP ELECTRICAL 66

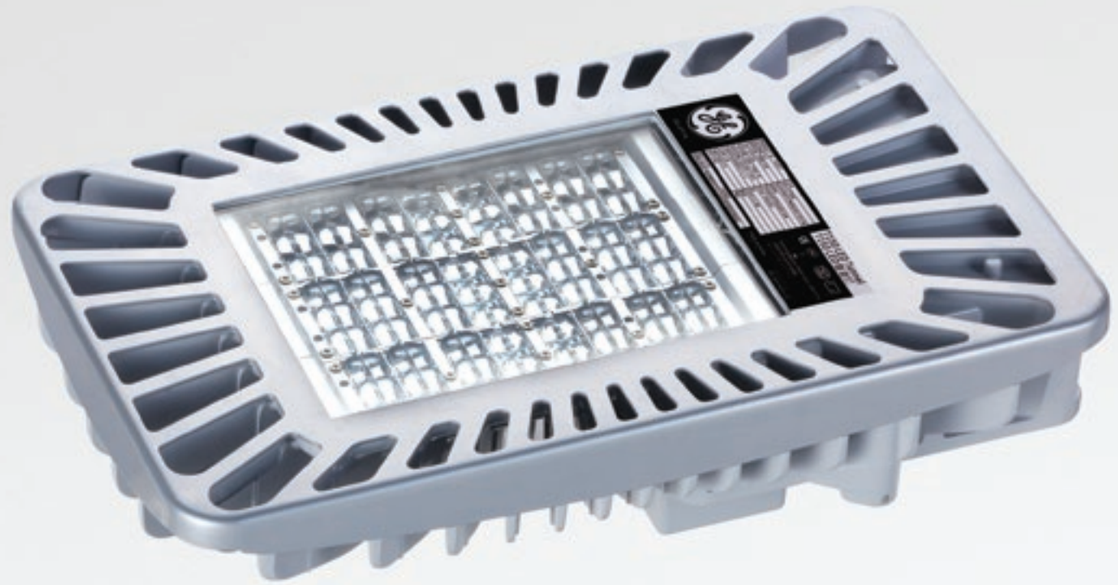
The Tunnel LED is designed to deliver efficient lighting of low speed tunnels as well as underpasses, parking garages and industrial areas. Its use creates a safe environment for traffic with white light for improved visibility and comfort, as well as an outstanding six years /24 hours a day operation with the same light source.

- 70 CRI at 5700K CCT
- Hermetically sealed providing full IP66
- Symmetrical and asymmetrical (wide/medium) light distribution
- Ambient temperature from -30 to +40°C
- Fixture spacing: 7.5 to 12 m
- Recommended mounting height 5.5m



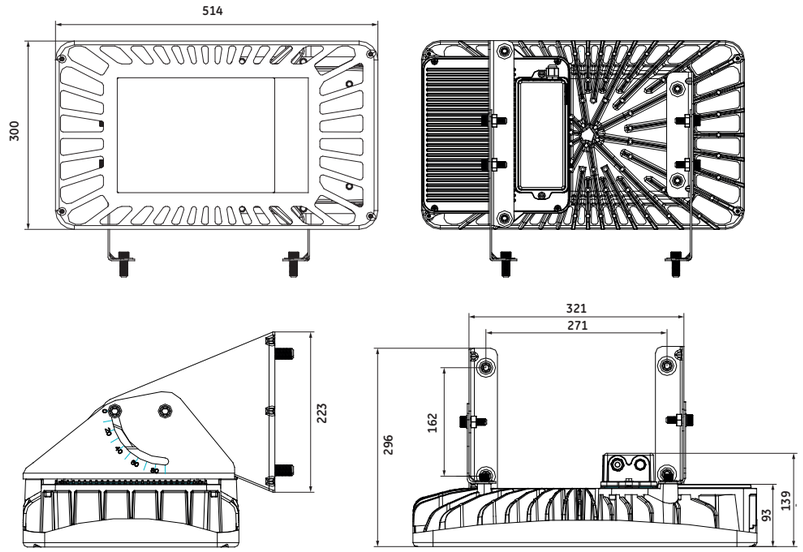




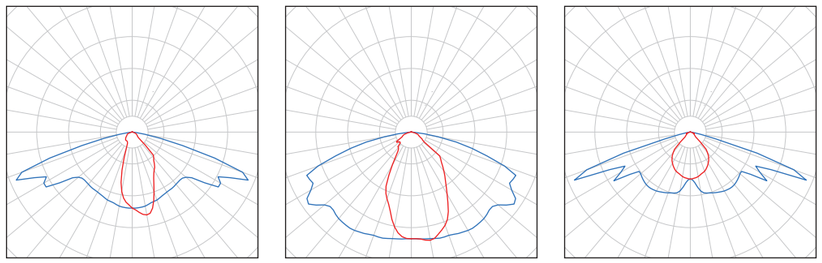


TUNNEL LED

Dimensions [mm]



Light Output



TUNNEL LED/D/AW ASY2 5700K | TUNNEL LED/D/AM ASY3 5700K | TUNNEL LED/D/SY SYM5 5700K

Additional photometric files available on the webite.

Structures and materials

Housing: die cast aluminum housing electrostatically sprayed with a polyester powder paint finish, following anti-corrosion priming, and oven cured at 180°C.
Standard colour: RAL 7001, silver. Meets 2G vibration standards.

Electrical and gear compartment

Integral dimmable 0-10V driver: isolated from the environment with a protection degree IP66.

Nominal line voltage: 200-277 V 50/60 Hz. PF>0.9.
Class: I

Cable: anchorage for supply connection.

Ambient temperature: –30°C to +40°C.

Optics

Optical assembly: hermetically sealed providing IP66. Thanks to the advance LED optical systems the fixture provide high uniformity and improved vertical light distribution.

CRI: 70.

CCT: 5700 Kelvin.

- Type III. Asymetric Medium distribution (AM) – 90W system consumption
- Type II. Asymetric Wide distribution (AW) – 90W system consumption
- Type V. Symmetric distribution (SY) – 90W system consumption

Maintenance

70% lumen maintenance at 50,000 hours.

Installation

Two kits available for the installation.

One is for **ceiling mounted fixture** (with the symmetric distribution optical option).
The other kit is for **Wall Mounted fixture** (with an asymmetric distribution optical option).

A quick connector will allow an **easy installation.**

Fixture spacing: 7.5 to 12 meters. Recommended mounting height is 5.5m.

Specifications

Weight [kg]	15.00
Driver	90W, 208-277V 50/60Hz
System consumption	90W
Reflector	Type III. Asymetric Medium distribution (AM) Type II. Asymetric Wide distribution (AW) Type V. Symmetric distribution (SY)
Protection degree	Full IP65
Ambient Operating Temperature [°C]	-30 to +40
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC.

TUNNEL T5

IK 07

CLASS I

WEIGHT 5kg

IP OPTICAL 65/66

IP ELECTRICAL 65/66

Tunnel T5 is a compact waterproof ceiling luminaire for 49W and 80W T5 fluorescent lamps (1.449m long). It operates on electronic ballast, provides a dimmable solution and can be used for Dali protocol.

- Surface mounting
- Full IP65 HARTING, IP66 cable gland, optical assembly and gear compartment
- Three symmetrical/two asymmetrical photometric distributions





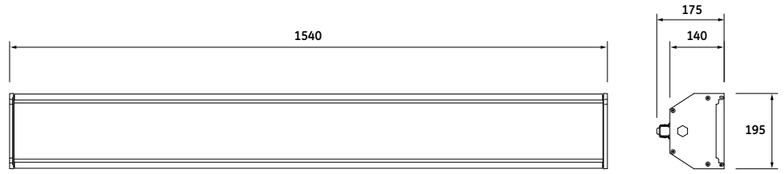




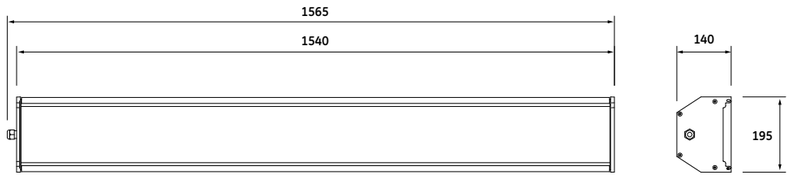
TUNNEL T5

Dimensions [mm]

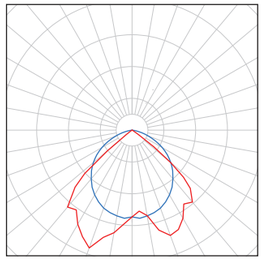
GE-TUN/HAR



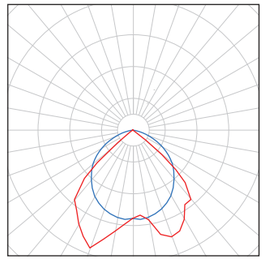
GE-TUN/PG



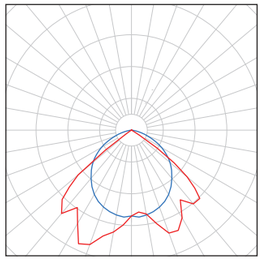
Light Output



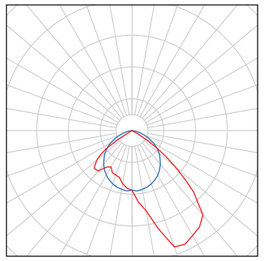
TUNNEL T5/HAR/SM 49W



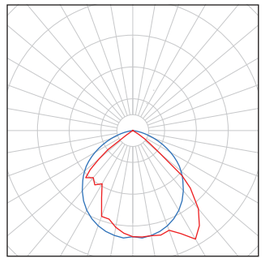
TUNNEL T5/HAR/SI 49W



TUNNEL T5/HAR/SE 49W



TUNNEL T5/HAR/AI 49W



TUNNEL T5/HAR/AE 49W

Additional photometric files available on the webite.

Structures and materials

Luminaire consists of: housing and L-3441 anodized aluminum extrusions (compliant with ASTM standard) guaranteeing high mechanical resistance.

Side covers: die-cast aluminum.

Coated: with electrostatically deposited polyester paint powder.

Covers: before the paint is applied, the covers are given anticorrosive treatment and polymerized in a furnace at 180°C in RAL colour 7035. 5mm thick tempered glass.

Gasket: the joint between the door and the housing is made with a silicone gasket to guarantee the required water tightness rating (IP66).

Electrical and gear compartment

Ballast: high frequency electronic ballast. These ballasts make it possible to increase the luminous flux of the fluorescent lamp by as much as 10%.

Gear tray: the electronic control devices have a low power loss and minimal self-heating, factors which reduce the temperature of the luminaire while increasing the efficiency of the lamp. The electronic components also guarantee that the lamp electrodes preheat that the power-up voltage is high enough and that the discharge current is limited, thus permitting instant lamp switch on and silent, flicker-free operation, thanks to the high operating frequency.

Ballast support board: an option is offered where the luminaires are equipped with dimmable DALI electronic ballasts that can be linked with remote management systems. The electronic equipment is mounted inside the luminaire housing, a position that eases its replacement without need of tools.

Protection degree: water tightness rating of IP66.

Cable gland: PG-13.5.

Insulation: Class I.

Optics

Reflector: aluminum reflector (99.85% minimum purity, type A8 aluminum) independent from the housing.

Photometric distributions: three symmetrical and two asymmetrical, to fit any application needs.

Maintenance

The luminaire is equipped with a closing mechanism that utilizes a continuous hinge. By acting on both hinges, the tempered glass closing mechanism turns over the covers and hangs from them, enabling the luminaire to be opened without tools. The lamp and electrical equipment can be changed without tools.

Installation

Adjustable: the luminaire can be secured to the wall or ceiling by means of a coupling that allows the luminaire to be tilted to ensure suitable light distribution.

Mounting system: allows the luminaire to be easily freed without removing the mounting hardware.

Screws, nuts and bolts: stainless steel.

Accessories / Options

- Wall and ceiling coupler available
- Tilt coupling designed for vertical mounting with angle adjustment range of +/-60°
- Fast connector (HARTING type) for easy connection and disconnection of the luminaire without needing to open it
- Electronic equipment controllable through DALI protocol

Specifications

Weight (kg)	15.00
Ballast	Electronic ballasts: up to 80W, 208-277V 50/60Hz Dimmable option available (DALI).
Available Wattages	Electronic ballasts: 49W, 80W
Reflector	Medium symmetrical (SM) Intensive symmetrical (SI) Extensive symmetrical (SE) Intensive asymmetrical (AI) Extensive asymmetrical (AE)
Protection degree	Full IP65 (Harting connector version) Full IP66 (Cable-gland version)
Ambient Operating Temperature [°C]	-25 to 25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

PFE-400

IK 08

CLASS I

WEIGHT 20kg

X kg

IP OPTICAL 66

IP ELECTRICAL 66

PFE-400 is a powerful floodlight that can feature up to 400W HPS lamps. It provides excellent illumination of extensive outdoor areas such as facades, airport aprons, tunnels, motorway junctions and intersections.

- IP65 for electrical and optical compartments
- Choice of 9 different optics for floodlighting and 4 for tunnel applications
- Up to 400W HPS and MH lamps



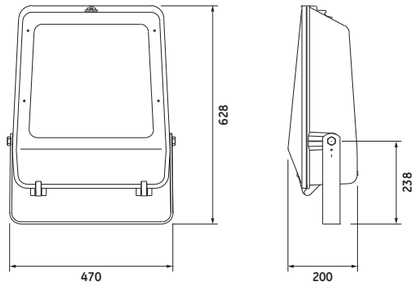




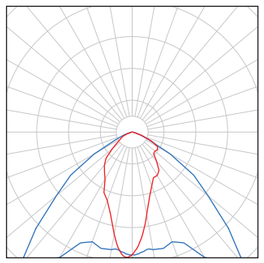


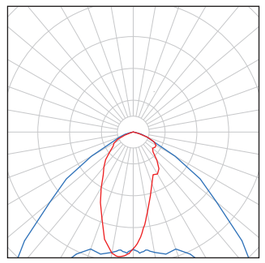
PFE-400

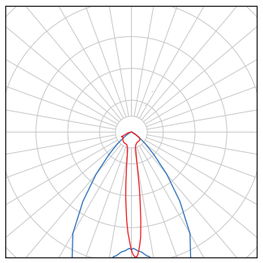
Dimensions [mm]

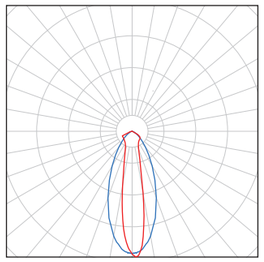


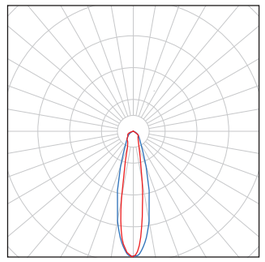
Light Output

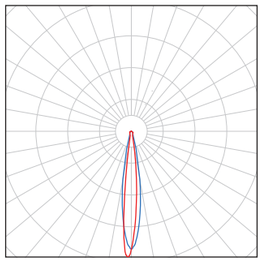

PFE-400 V 6x6 HPS 250W

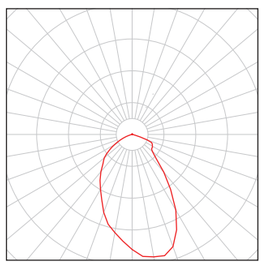

PFE-400 V 7x6 HPS 400W

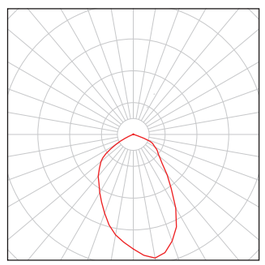

PFE-400 H 6x3 HPS 250W


PFE-400 H 5x4 HPS 400W


PFE-400 H 4x4 MH 400W


PFE-400 H 3x2 MH 400W


PFE-400 H 4x4 MH 400W


PFE-400 H 3x2 MH 400W

Additional photometric files available on the webite.

Structures and materials

Housing: in two parts (housing and door) in die-cast aluminium, electrostatically sprayed with a polyester powder paint finish, and oven cured at 180°C.

Bracket: hot deep galvanized sprayed with a polyester powder paint finish and oven cured at 180°C.

Standard colour: RAL 9011 black.

Access door: hinged, detachable.

Electrical and gear compartment

Gear tray: electrical unit fitted to removable tray. With a protection degree IP66. For HPS and Metal Halide (MH) lamps up to 400W. A bi-power system can be fitted to the MV or HPS lamps up to 400W.

Mounting: receptacle with PG-13.5 cable gland. Optional fitting of second cable gland.

Insulation: Class I.

Optics

Optical assembly sealed providing IP66, comprising:

- Flat tempered glass lens sealed with silicone to the door.
- Faceted or smooth aluminium reflectors (four types) for different photometric distributions.
- Extruded EPDM gasket between housing and door.

Maintenance

Front access to lamp and control gear. Screw opening of luminaire. Optional tool-less opening.

Installation

Mounting by way of heavy-gauge steel bracket with aiming degree indicator.
Aiming by way of integrated sight.

Accessories / Options

- Optional tool-less opening by means of stainless steel latches (R).
- The floodlight may incorporate a fuse. FUS option.
- Accessories for glare control visors and louvres, polycarbonate vandal shields, wire guards, etc.

Specifications

Weight [kg]	20.00
Side surface [m^2]	0.23
Ballast	Magnetic ballasts: HPS and MH up to 400W, 230V/50Hz
Available wattages	Magnetic ballasts: 100W, 150W, 250W, 400W
Reflector	Asymmetric and Symmetric
Protection degree	Full IP66
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

V2F

IK 06

CLASS I

WEIGHT 12-20kg

IP OPTICAL 65

IP ELECTRICAL 65

V2F can be mounted vertically for excellent illumination in tunnels and underpasses, for security perimeter installations (mounted to building facades) and accesses to underground car parks. It can also be mounted horizontally where it is ideal for lighting façades, signs and road signs.

- Minimum glare levels, even when reflector is viewed head-on
- Four different removable lenses



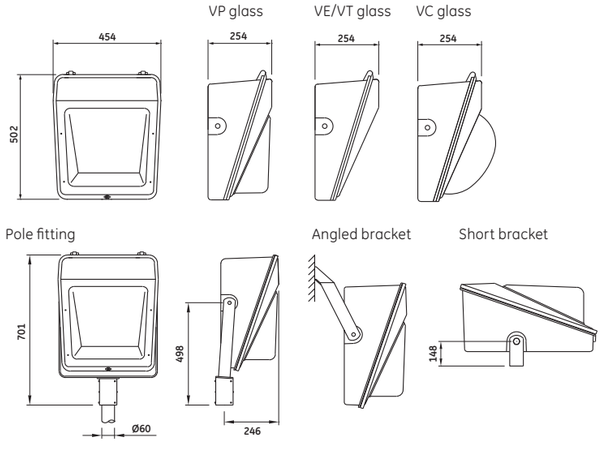




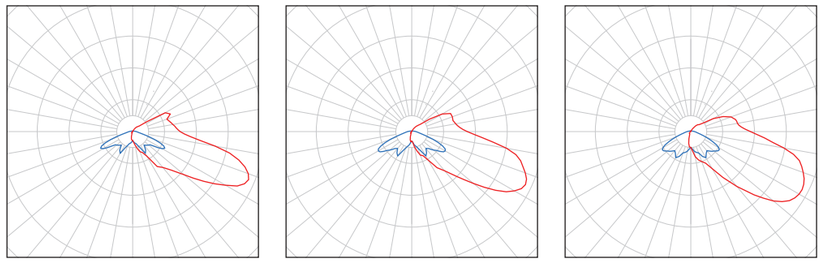


V2F

Dimensions [mm]



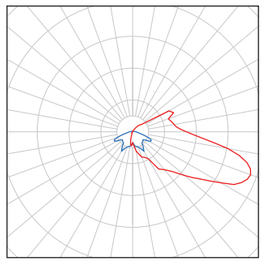
Light Output



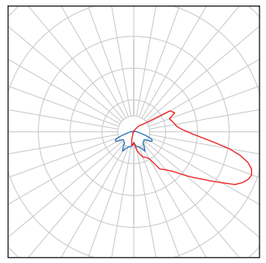
V2F VP DA HPS 70W

V2F VP DA HPS 150W

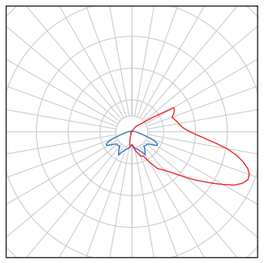
V2F VP DA HPS 400W



V2F VP DA CMH SW 150W



V2F VP DA CMH 250W



V2F VP DA CMH 400W

Additional photometric files available on the webite.

Structures and materials

Housing: in two parts (housing and door) in die-cast aluminium electrostatically sprayed with a polyester powder paint finish, following anti-corrosion priming, and oven cured at 180°C.

Standard colour: RAL 7035, grey. EPDM gasket between housing and door.

Electrical and gear compartment

Electronic unit: mounted on removable tray. PG 13.5 cable gland. With a protection degree IP64.

Gear tray: is compatible for HPS and Metal Halide (MH) lamps up to 400W.

Insulation: Class I.

Optics

Optical assembly hermetically sealed providing IP65, comprising:

Glass: four different removable lenses – flat tempered glass (VE), prismatic borosilicate glass (VP), flat transparent tempered glass (VT) and curved borosilicate glass (VC).

Gasket: ethylene propylene diene rubber (EPDM). With the option of the glass sealed to the door with silicone.

Reflectors: faceted aluminium reflectors with wide (DA).

Maintenance

Tool-less opening of the luminaire by means of a stainless steel latch. Rapid access to the lamp and control gear.

Installation

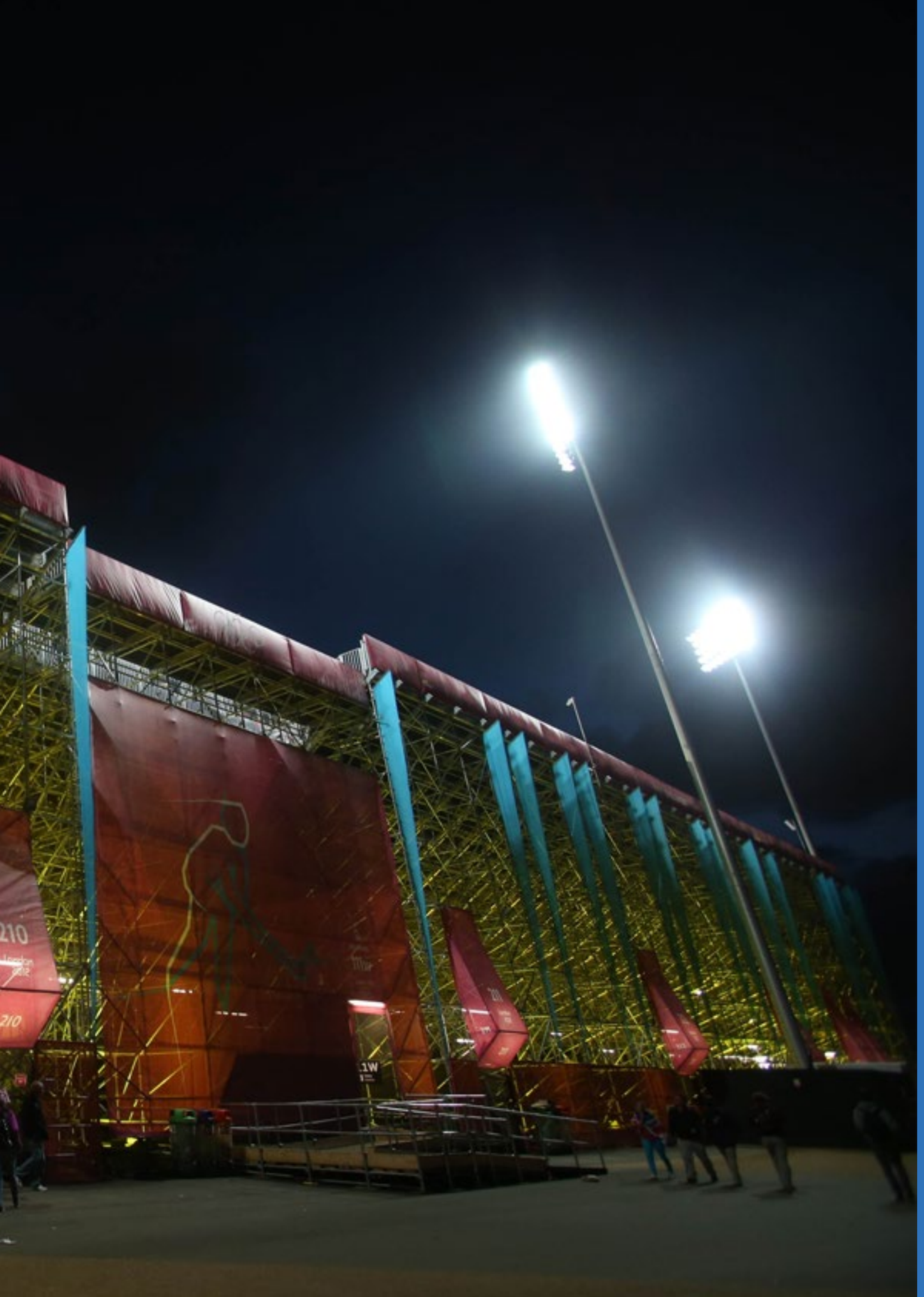
Direct mounting on both vertical and horizontal surfaces. Other mounting systems upon demand.

Accessories / Options

- Pole fitting (vertical or horizontal mounting).
- Adjustable support bracket (horizontal mounting).
- Angled bracket (vertical mounting).
- Other supports on request.

Specifications

Weight [kg]	12.00-20.00
Side surface [m^2]	0.23
Ballast	Magnetic ballasts: HPS and MH up to 400W, 230V/ 50Hz
Available wattages	Magnetic ballasts: 50W, 70W, 100W, 150W, 250W, 400W
Reflector	Asymmetric
Protection degree	Full IP65
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.



Sports

EF-2000 **212**

PW **218**

EF-2000

IK 08

CLASS II

WEIGHT 20kg

IP OPTICAL 65

IP ELECTRICAL 65

EF-2000 is designed primarily for sports lighting and large open areas such as stadiums, recreational areas, airport aprons, racecourses, open-air car parks, etc. Also ideal for large, high-roofed premises such as sports and exhibition halls.

- Six aluminium reflectors with different photometric distributions
- For 1000 and 2000W double-ended Metal Halide (MH) lamps, plus 1000W HPS and MH lamps with E40 cap
- Trunnion mounting



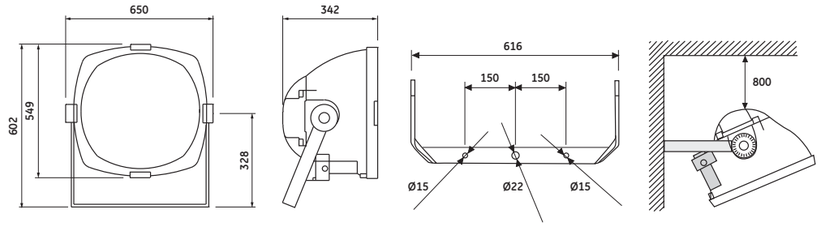




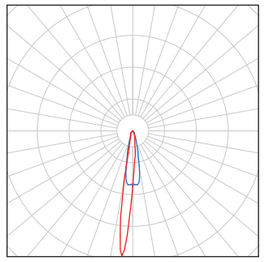


EF-2000

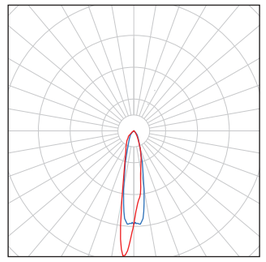
Dimensions [mm]



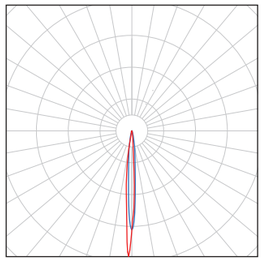
Light Output



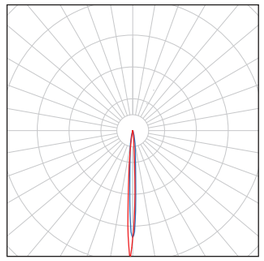
EF2M2000 HSI-TD 2000W/D



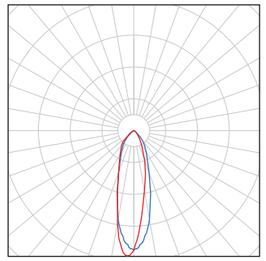
EF2MW2000 HSI-TD 2000W/D



EF2S2000 HSI-TD 2000W/D



EF2US2000 HSI-TD 2000W/D



EF2W2000 HSI-TD 2000W/D

Additional photometric files available on the webite.

Structures and materials

Housing, rear door, and glass lens holder: in die-cast aluminium with a RAL 7035 grey polyester powder paint finish, following anti-corrosion priming, oven cured at 180ºC.

Door: in the rear of the housing offering access to the lamp with electrical disconnection on opening.

External screws: in stainless steel.

Electrical and gear compartment

Ballast support board: box for housing the standard ignitor and terminal block, manufactured in fibreglass reinforced polyamide, is attached to the rear of the floodlight and has PC13.5 cable glands. The reactor and capacitors as necessary, or the instant hot restrike system are remotely mounted.

Auxiliary control gear: can be supplied mounted in a water proof box, or on a tray separate for mounting in a cabinet.

Gear tray: suitable for 1000 and 2000W double-ended Metal Halide (MH) lamps, as well as for 1000W HPS and MH lamps with E40 cap.

Optics

Enclosed optical assembly sealed providing IP65, comprising:

Glass: front tempered glass lens in a cast aluminium frame, with a silicone gasket between the frame and the housing.

Reflector: 6 aluminium reflectors with different photometric distributions, giving a rectangular beam in lamps with E40 holder and an oval beam in double-ended lamps.

Louvre: internal aluminium louvre in the reflectors for glare control and reduction of sky-glow.

Maintenance

Lamp replacement without disturbing the floodlight's aiming position.

Installation

Mounting via a steel bracket, painted the same as the housing, with aiming degree indicator.
The standard version of this floodlight should not be installed at more than 140º from the vertical.
For greater inclinations please contact us.

Accessories / Options

There are two hot re-strike systems:
- HRR: The igniter is included in the EF-2000 flood. There is no limit in the distance between the flood and the gear box.

Specifications

Weight [kg]	20.00
Side surface [m^2]	0.29
Ballast	Magnetic ballasts: MH 1000W, 230V/ 50 or 60Hz,MH 2000W, 400V/50 or 60Hz
System consumption	Magnetic ballasts: 1000W, 2000W
Reflector	Spot, ultraspot, medium spot, medium, medium wide & wide
Protection degree	Full IP65
Ambient Operating Temperature [°C]	35
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

PW

IK 08

CLASS I

WEIGHT 17-21kg

IP OPTICAL 55

IP ELECTRICAL 54

PW is a sports flood light with multiple circular beam optics available, from very narrow to very wide. This breadth of choice enables optimised illumination designs with minimal light dispersion.

- Compact design
- Ballast and lamp holder fixture in single die cast aluminium housing
- HPS tubular lamps up to 1000W, Metal Halide up to 1000W



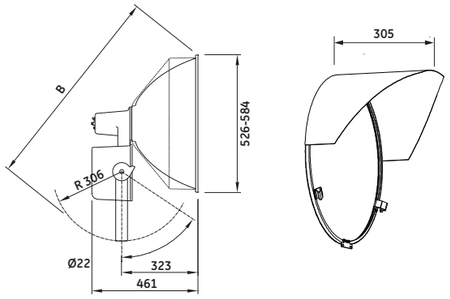




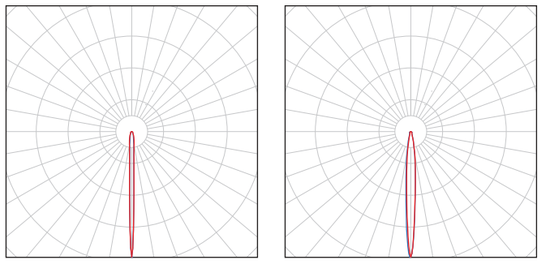


PW

Dimensions [mm]



Light Output



PW 2x2 HPS 1000W

PW 2x2 MH 1000W

Additional photometric files available on the webite.

Structures and materials

Housing: compact design, with ballast and lamp holder fixture in one single die-cast aluminium housing, electrostatically sprayed with a RAL 7035 grey polyester powder paint finish, following anti-corrosion priming, oven-cured at 180ºC.

Electrical and gear compartment

Ballast support board: 230V integrated ballast in high power factor. IP54. Optional remote ballast fitting.

Control gear: is accessible from the front of the floodlight by removing the housing's aluminium cover.

Gear tray: PW allows HPS and Metal Halide tubular lampsup to 1000W.

Insulation: Class I.

Optics

Optical assembly: degree of protection IP55, comprising:

Filtered optical system, comprising a circular aluminium reflector, with five different designs for distinct beam cut-offs.

Glass: flat tempered glass lens, attached to the reflector a hinged metallic rim with stainless steel latches, for tool-less access.

Gasket: silicone gasket between glass lens and reflector and between the reflector and the lamp holder fixture.

Maintenance

Tool-less access to the lamp, from the front of the floodlight.

Installation

Aiming via folding sight, built into the ballast compartment.Mounting by way of heavy gauge steel bracket with aiming degree indicator and locking plate system for securing the tilt angle

Accessories / Options

- The floodlight can be supplied with a longer bracket for pendant mounting.
- The floodlight may incorporate a fuse. FUS option.
- The floodlight can incorporate an outer housing for the reflector, manufactured in heavy-duty spun aluminium. HD option.

Specifications

Weight [kg]	17.00-21.00
Ballast	Magnetic ballasts: HPS and MH up to 1000W, 230V/ 50Hz
System consumption	Magnetic ballasts: 250W, 400W, 600W, 1000W
Reflector	Wide or narrow
Protection degree	IP55 for the optical assembly IP43 for the gear compartment
Ambient Operating Temperature [°C]	25
Regulations	CE mark: Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, 2009/125/EC and its implementing 245/2009/EC regulation.

Index

Road and Street

Product Family	Product Description	SKU
Okapi LED with post top mounting		
Okapi LED with post top mounting	OKAPI LED/CG/N/20/40/C1/PT60	526154
Okapi LED with post top mounting	OKAPI LED/CG/N/20/40/C2/PT60	526155
Okapi LED with post top mounting	OKAPI LED/CG/N/20/57/C1/PT60	526156
Okapi LED with post top mounting	OKAPI LED/CG/N/20/57/C2/PT60	526157
Okapi LED with post top mounting	OKAPI LED/CG/N/30/40/C1/PT60	526158
Okapi LED with post top mounting	OKAPI LED/CG/N/30/40/C2/PT60	526159
Okapi LED with post top mounting	OKAPI LED/CG/N/30/57/C1/PT60	526160
Okapi LED with post top mounting	OKAPI LED/CG/N/30/57/C2/PT60	526161
Okapi LED with post top mounting	OKAPI LED/CG/N/44/40/C1/PT60	526162
Okapi LED with post top mounting	OKAPI LED/CG/N/44/40/C2/PT60	526163
Okapi LED with post top mounting	OKAPI LED/CG/N/44/57/C1/PT60	526164
Okapi LED with post top mounting	OKAPI LED/CG/N/44/57/C2/PT60	526165
Okapi LED with post top mounting	OKAPI LED/CG/V/20/40/C1/PT60	526166
Okapi LED with post top mounting	OKAPI LED/CG/V/20/40/C2/PT60	526167
Okapi LED with post top mounting	OKAPI LED/CG/V/20/57/C1/PT60	526168
Okapi LED with post top mounting	OKAPI LED/CG/V/20/57/C2/PT60	526169
Okapi LED with post top mounting	OKAPI LED/CG/V/30/40/C1/PT60	526170
Okapi LED with post top mounting	OKAPI LED/CG/V/30/40/C2/PT60	526171
Okapi LED with post top mounting	OKAPI LED/CG/V/30/57/C1/PT60	526172
Okapi LED with post top mounting	OKAPI LED/CG/V/30/57/C2/PT60	526173
Okapi LED with post top mounting	OKAPI LED/CG/V/44/40/C1/PT60	526174
Okapi LED with post top mounting	OKAPI LED/CG/V/44/40/C2/PT60	526175
Okapi LED with post top mounting	OKAPI LED/CG/V/44/57/C1/PT60	526176
Okapi LED with post top mounting	OKAPI LED/CG/V/44/57/C2/PT60	526177
Okapi LED with post top mounting	OKAPI LED/CG/B/20/40/C1/PT60	526178
Okapi LED with post top mounting	OKAPI LED/CG/B/20/40/C2/PT60	526179
Okapi LED with post top mounting	OKAPI LED/CG/B/20/57/C1/PT60	526180
Okapi LED with post top mounting	OKAPI LED/CG/B/20/57/C2/PT60	526181
Okapi LED with post top mounting	OKAPI LED/CG/B/30/40/C1/PT60	526182
Okapi LED with post top mounting	OKAPI LED/CG/B/30/40/C2/PT60	526183
Okapi LED with post top mounting	OKAPI LED/CG/B/30/57/C1/PT60	526184
Okapi LED with post top mounting	OKAPI LED/CG/B/30/57/C2/PT60	526185
Okapi LED with post top mounting	OKAPI LED/CG/B/44/40/C1/PT60	526186
Okapi LED with post top mounting	OKAPI LED/CG/B/44/40/C2/PT60	526187
Okapi LED with post top mounting	OKAPI LED/CG/B/44/57/C1/PT60	526188
Okapi LED with post top mounting	OKAPI LED/CG/B/44/57/C2/PT60	526189
Okapi LED with post top mounting	OKAPI LED/CG/C/20/40/C1/PT60	526190
Okapi LED with post top mounting	OKAPI LED/CG/C/20/40/C2/PT60	526191
Okapi LED with post top mounting	OKAPI LED/CG/C/20/57/C1/PT60	526192
Okapi LED with post top mounting	OKAPI LED/CG/C/20/57/C2/PT60	526193
Okapi LED with post top mounting	OKAPI LED/CG/C/30/40/C1/PT60	526194
Okapi LED with post top mounting	OKAPI LED/CG/C/30/40/C2/PT60	526195
Okapi LED with post top mounting	OKAPI LED/CG/C/30/57/C1/PT60	526196
Okapi LED with post top mounting	OKAPI LED/CG/C/30/57/C2/PT60	526197
Okapi LED with post top mounting	OKAPI LED/CG/C/44/40/C1/PT60	526198
Okapi LED with post top mounting	OKAPI LED/CG/C/44/40/C2/PT60	526199
Okapi LED with post top mounting	OKAPI LED/CG/C/44/57/C1/PT60	526200
Okapi LED with post top mounting	OKAPI LED/CG/C/44/57/C2/PT60	526201

Product Family	Product Description	SKU
Okapi LED with post top mounting	OKAPI LED/CG/E/20/40/C1/PT60	526202
Okapi LED with post top mounting	OKAPI LED/CG/E/20/40/C2/PT60	526203
Okapi LED with post top mounting	OKAPI LED/CG/E/20/57/C1/PT60	526204
Okapi LED with post top mounting	OKAPI LED/CG/E/20/57/C2/PT60	526205
Okapi LED with post top mounting	OKAPI LED/CG/E/30/40/C1/PT60	526206
Okapi LED with post top mounting	OKAPI LED/CG/E/30/40/C2/PT60	526207
Okapi LED with post top mounting	OKAPI LED/CG/E/30/57/C1/PT60	526208
Okapi LED with post top mounting	OKAPI LED/CG/E/30/57/C2/PT60	526209
Okapi LED with post top mounting	OKAPI LED/CG/E/44/40/C1/PT60	526210
Okapi LED with post top mounting	OKAPI LED/CG/E/44/40/C2/PT60	526211
Okapi LED with post top mounting	OKAPI LED/CG/E/44/57/C1/PT60	526212
Okapi LED with post top mounting	OKAPI LED/CG/E/44/57/C2/PT60	526213
Okapi LED with post top mounting	OKAPI LED/FG/N/20/40/C1/PT60	526214
Okapi LED with post top mounting	OKAPI LED/FG/N/20/40/C2/PT60	526215
Okapi LED with post top mounting	OKAPI LED/FG/N/20/57/C1/PT60	526216
Okapi LED with post top mounting	OKAPI LED/FG/N/20/57/C2/PT60	526217
Okapi LED with post top mounting	OKAPI LED/FG/N/30/40/C1/PT60	526218
Okapi LED with post top mounting	OKAPI LED/FG/N/30/40/C2/PT60	526219
Okapi LED with post top mounting	OKAPI LED/FG/N/30/57/C1/PT60	526220
Okapi LED with post top mounting	OKAPI LED/FG/N/30/57/C2/PT60	526221
Okapi LED with post top mounting	OKAPI LED/FG/N/44/40/C1/PT60	526222
Okapi LED with post top mounting	OKAPI LED/FG/N/44/40/C2/PT60	526223
Okapi LED with post top mounting	OKAPI LED/FG/N/44/57/C1/PT60	526224
Okapi LED with post top mounting	OKAPI LED/FG/N/44/57/C2/PT60	526225
Okapi LED with post top mounting	OKAPI LED/FG/V/20/40/C1/PT60	526226
Okapi LED with post top mounting	OKAPI LED/FG/V/20/40/C2/PT60	526227
Okapi LED with post top mounting	OKAPI LED/FG/V/20/57/C1/PT60	526228
Okapi LED with post top mounting	OKAPI LED/FG/V/20/57/C2/PT60	526229
Okapi LED with post top mounting	OKAPI LED/FG/V/30/40/C1/PT60	526230
Okapi LED with post top mounting	OKAPI LED/FG/V/30/40/C2/PT60	526231
Okapi LED with post top mounting	OKAPI LED/FG/V/30/57/C1/PT60	526232
Okapi LED with post top mounting	OKAPI LED/FG/V/30/57/C2/PT60	526233
Okapi LED with post top mounting	OKAPI LED/FG/V/44/40/C1/PT60	526234
Okapi LED with post top mounting	OKAPI LED/FG/V/44/40/C2/PT60	526235
Okapi LED with post top mounting	OKAPI LED/FG/V/44/57/C1/PT60	526236
Okapi LED with post top mounting	OKAPI LED/FG/V/44/57/C2/PT60	526237
Okapi LED with post top mounting	OKAPI LED/FG/B/20/40/C1/PT60	526238
Okapi LED with post top mounting	OKAPI LED/FG/B/20/40/C2/PT60	526239
Okapi LED with post top mounting	OKAPI LED/FG/B/20/57/C1/PT60	526240
Okapi LED with post top mounting	OKAPI LED/FG/B/20/57/C2/PT60	526241
Okapi LED with post top mounting	OKAPI LED/FG/B/30/40/C1/PT60	526242
Okapi LED with post top mounting	OKAPI LED/FG/B/30/40/C2/PT60	526243
Okapi LED with post top mounting	OKAPI LED/FG/B/30/57/C1/PT60	526244
Okapi LED with post top mounting	OKAPI LED/FG/B/30/57/C2/PT60	526245
Okapi LED with post top mounting	OKAPI LED/FG/B/44/40/C1/PT60	526246
Okapi LED with post top mounting	OKAPI LED/FG/B/44/40/C2/PT60	526247
Okapi LED with post top mounting	OKAPI LED/FG/B/44/57/C1/PT60	526248
Okapi LED with post top mounting	OKAPI LED/FG/B/44/57/C2/PT60	526249
Okapi LED with post top mounting	OKAPI LED/FG/C/20/40/C1/PT60	526250
Okapi LED with post top mounting	OKAPI LED/FG/C/20/40/C2/PT60	526251
Okapi LED with post top mounting	OKAPI LED/FG/C/20/57/C1/PT60	526252
Okapi LED with post top mounting	OKAPI LED/FG/C/20/57/C2/PT60	526253

Index

Product Family	Product Description	SKU
Okapi LED with post top mounting	OKAPI LED/FG/C/30/40/C1/PT60	526254
Okapi LED with post top mounting	OKAPI LED/FG/C/30/40/C2/PT60	526255
Okapi LED with post top mounting	OKAPI LED/FG/C/30/57/C1/PT60	526256
Okapi LED with post top mounting	OKAPI LED/FG/C/30/57/C2/PT60	526257
Okapi LED with post top mounting	OKAPI LED/FG/C/44/40/C1/PT60	526258
Okapi LED with post top mounting	OKAPI LED/FG/C/44/40/C2/PT60	526259
Okapi LED with post top mounting	OKAPI LED/FG/C/44/57/C1/PT60	526260
Okapi LED with post top mounting	OKAPI LED/FG/C/44/57/C2/PT60	526261
Okapi LED with post top mounting	OKAPI LED/FG/E/20/40/C1/PT60	526262
Okapi LED with post top mounting	OKAPI LED/FG/E/20/40/C2/PT60	526263
Okapi LED with post top mounting	OKAPI LED/FG/E/20/57/C1/PT60	526264
Okapi LED with post top mounting	OKAPI LED/FG/E/20/57/C2/PT60	526265
Okapi LED with post top mounting	OKAPI LED/FG/E/30/40/C1/PT60	526266
Okapi LED with post top mounting	OKAPI LED/FG/E/30/40/C2/PT60	526267
Okapi LED with post top mounting	OKAPI LED/FG/E/30/57/C1/PT60	526268
Okapi LED with post top mounting	OKAPI LED/FG/E/30/57/C2/PT60	526269
Okapi LED with post top mounting	OKAPI LED/FG/E/44/40/C1/PT60	526270
Okapi LED with post top mounting	OKAPI LED/FG/E/44/40/C2/PT60	526271
Okapi LED with post top mounting	OKAPI LED/FG/E/44/57/C1/PT60	526272
Okapi LED with post top mounting	OKAPI LED/FG/E/44/57/C2/PT60	526273
Okapi LED with post top mounting	OKAPI LED/CG/N/20/40/C1/PT76	526274
Okapi LED with post top mounting	OKAPI LED/CG/N/20/40/C2/PT76	526275
Okapi LED with post top mounting	OKAPI LED/CG/N/20/57/C1/PT76	526276
Okapi LED with post top mounting	OKAPI LED/CG/N/20/57/C2/PT76	526277
Okapi LED with post top mounting	OKAPI LED/CG/N/30/40/C1/PT76	526278
Okapi LED with post top mounting	OKAPI LED/CG/N/30/40/C2/PT76	526279
Okapi LED with post top mounting	OKAPI LED/CG/N/30/57/C1/PT76	526280
Okapi LED with post top mounting	OKAPI LED/CG/N/30/57/C2/PT76	526281
Okapi LED with post top mounting	OKAPI LED/CG/N/44/40/C1/PT76	526282
Okapi LED with post top mounting	OKAPI LED/CG/N/44/40/C2/PT76	526283
Okapi LED with post top mounting	OKAPI LED/CG/N/44/57/C1/PT76	526284
Okapi LED with post top mounting	OKAPI LED/CG/N/44/57/C2/PT76	526285
Okapi LED with post top mounting	OKAPI LED/CG/V/20/40/C1/PT76	526286
Okapi LED with post top mounting	OKAPI LED/CG/V/20/40/C2/PT76	526287
Okapi LED with post top mounting	OKAPI LED/CG/V/20/57/C1/PT76	526288
Okapi LED with post top mounting	OKAPI LED/CG/V/20/57/C2/PT76	526289
Okapi LED with post top mounting	OKAPI LED/CG/V/30/40/C1/PT76	526290
Okapi LED with post top mounting	OKAPI LED/CG/V/30/40/C2/PT76	526291
Okapi LED with post top mounting	OKAPI LED/CG/V/30/57/C1/PT76	526292
Okapi LED with post top mounting	OKAPI LED/CG/V/30/57/C2/PT76	526293
Okapi LED with post top mounting	OKAPI LED/CG/V/44/40/C1/PT76	526294
Okapi LED with post top mounting	OKAPI LED/CG/V/44/40/C2/PT76	526295
Okapi LED with post top mounting	OKAPI LED/CG/V/44/57/C1/PT76	526296
Okapi LED with post top mounting	OKAPI LED/CG/V/44/57/C2/PT76	526297
Okapi LED with post top mounting	OKAPI LED/CG/B/20/40/C1/PT76	526298
Okapi LED with post top mounting	OKAPI LED/CG/B/20/40/C2/PT76	526299
Okapi LED with post top mounting	OKAPI LED/CG/B/20/57/C1/PT76	526300
Okapi LED with post top mounting	OKAPI LED/CG/B/20/57/C2/PT76	526301
Okapi LED with post top mounting	OKAPI LED/CG/B/30/40/C1/PT76	526302
Okapi LED with post top mounting	OKAPI LED/CG/B/30/40/C2/PT76	526303
Okapi LED with post top mounting	OKAPI LED/CG/B/30/57/C1/PT76	526304
Okapi LED with post top mounting	OKAPI LED/CG/B/30/57/C2/PT76	526305

Product Family	Product Description	SKU
Okapi LED with post top mounting	OKAPI LED/CG/B/44/40/C1/PT76	526306
Okapi LED with post top mounting	OKAPI LED/CG/B/44/40/C2/PT76	526307
Okapi LED with post top mounting	OKAPI LED/CG/B/44/57/C1/PT76	526308
Okapi LED with post top mounting	OKAPI LED/CG/B/44/57/C2/PT76	526309
Okapi LED with post top mounting	OKAPI LED/CG/C/20/40/C1/PT76	526310
Okapi LED with post top mounting	OKAPI LED/CG/C/20/40/C2/PT76	526311
Okapi LED with post top mounting	OKAPI LED/CG/C/20/57/C1/PT76	526312
Okapi LED with post top mounting	OKAPI LED/CG/C/20/57/C2/PT76	526313
Okapi LED with post top mounting	OKAPI LED/CG/C/30/40/C1/PT76	526314
Okapi LED with post top mounting	OKAPI LED/CG/C/30/40/C2/PT76	526315
Okapi LED with post top mounting	OKAPI LED/CG/C/30/57/C1/PT76	526316
Okapi LED with post top mounting	OKAPI LED/CG/C/30/57/C2/PT76	526317
Okapi LED with post top mounting	OKAPI LED/CG/C/44/40/C1/PT76	526318
Okapi LED with post top mounting	OKAPI LED/CG/C/44/40/C2/PT76	526319
Okapi LED with post top mounting	OKAPI LED/CG/C/44/57/C1/PT76	526320
Okapi LED with post top mounting	OKAPI LED/CG/C/44/57/C2/PT76	526321
Okapi LED with post top mounting	OKAPI LED/CG/E/20/40/C1/PT76	526322
Okapi LED with post top mounting	OKAPI LED/CG/E/20/40/C2/PT76	526323
Okapi LED with post top mounting	OKAPI LED/CG/E/20/57/C1/PT76	526324
Okapi LED with post top mounting	OKAPI LED/CG/E/20/57/C2/PT76	526325
Okapi LED with post top mounting	OKAPI LED/CG/E/30/40/C1/PT76	526326
Okapi LED with post top mounting	OKAPI LED/CG/E/30/40/C2/PT76	526327
Okapi LED with post top mounting	OKAPI LED/CG/E/30/57/C1/PT76	526328
Okapi LED with post top mounting	OKAPI LED/CG/E/30/57/C2/PT76	526329
Okapi LED with post top mounting	OKAPI LED/CG/E/44/40/C1/PT76	526330
Okapi LED with post top mounting	OKAPI LED/CG/E/44/40/C2/PT76	526331
Okapi LED with post top mounting	OKAPI LED/CG/E/44/57/C1/PT76	526332
Okapi LED with post top mounting	OKAPI LED/CG/E/44/57/C2/PT76	526333
Okapi LED with post top mounting	OKAPI LED/FG/N/20/40/C1/PT76	526334
Okapi LED with post top mounting	OKAPI LED/FG/N/20/40/C2/PT76	526335
Okapi LED with post top mounting	OKAPI LED/FG/N/20/57/C1/PT76	526336
Okapi LED with post top mounting	OKAPI LED/FG/N/20/57/C2/PT76	526337
Okapi LED with post top mounting	OKAPI LED/FG/N/30/40/C1/PT76	526338
Okapi LED with post top mounting	OKAPI LED/FG/N/30/40/C2/PT76	526339
Okapi LED with post top mounting	OKAPI LED/FG/N/30/57/C1/PT76	526340
Okapi LED with post top mounting	OKAPI LED/FG/N/30/57/C2/PT76	526341
Okapi LED with post top mounting	OKAPI LED/FG/N/44/40/C1/PT76	526342
Okapi LED with post top mounting	OKAPI LED/FG/N/44/40/C2/PT76	526343
Okapi LED with post top mounting	OKAPI LED/FG/N/44/57/C1/PT76	526344
Okapi LED with post top mounting	OKAPI LED/FG/N/44/57/C2/PT76	526345
Okapi LED with post top mounting	OKAPI LED/FG/V/20/40/C1/PT76	526346
Okapi LED with post top mounting	OKAPI LED/FG/V/20/40/C2/PT76	526347
Okapi LED with post top mounting	OKAPI LED/FG/V/20/57/C1/PT76	526348
Okapi LED with post top mounting	OKAPI LED/FG/V/20/57/C2/PT76	526349
Okapi LED with post top mounting	OKAPI LED/FG/V/30/40/C1/PT76	526350
Okapi LED with post top mounting	OKAPI LED/FG/V/30/40/C2/PT76	526351
Okapi LED with post top mounting	OKAPI LED/FG/V/30/57/C1/PT76	526352
Okapi LED with post top mounting	OKAPI LED/FG/V/30/57/C2/PT76	526353
Okapi LED with post top mounting	OKAPI LED/FG/V/44/40/C1/PT76	526354
Okapi LED with post top mounting	OKAPI LED/FG/V/44/40/C2/PT76	526355
Okapi LED with post top mounting	OKAPI LED/FG/V/44/57/C1/PT76	526356
Okapi LED with post top mounting	OKAPI LED/FG/V/44/57/C2/PT76	526357

Index

Product Family	Product Description	SKU
Okapi LED with post top mounting	OKAPI LED/FG/B/20/40/C1/PT76	526358
Okapi LED with post top mounting	OKAPI LED/FG/B/20/40/C2/PT76	526359
Okapi LED with post top mounting	OKAPI LED/FG/B/20/57/C1/PT76	526360
Okapi LED with post top mounting	OKAPI LED/FG/B/20/57/C2/PT76	526361
Okapi LED with post top mounting	OKAPI LED/FG/B/30/40/C1/PT76	526362
Okapi LED with post top mounting	OKAPI LED/FG/B/30/40/C2/PT76	526363
Okapi LED with post top mounting	OKAPI LED/FG/B/30/57/C1/PT76	526364
Okapi LED with post top mounting	OKAPI LED/FG/B/30/57/C2/PT76	526365
Okapi LED with post top mounting	OKAPI LED/FG/B/44/40/C1/PT76	526366
Okapi LED with post top mounting	OKAPI LED/FG/B/44/40/C2/PT76	526367
Okapi LED with post top mounting	OKAPI LED/FG/B/44/57/C1/PT76	526368
Okapi LED with post top mounting	OKAPI LED/FG/B/44/57/C2/PT76	526369
Okapi LED with post top mounting	OKAPI LED/FG/C/20/40/C1/PT76	526370
Okapi LED with post top mounting	OKAPI LED/FG/C/20/40/C2/PT76	526371
Okapi LED with post top mounting	OKAPI LED/FG/C/20/57/C1/PT76	526372
Okapi LED with post top mounting	OKAPI LED/FG/C/20/57/C2/PT76	526373
Okapi LED with post top mounting	OKAPI LED/FG/C/30/40/C1/PT76	526374
Okapi LED with post top mounting	OKAPI LED/FG/C/30/40/C2/PT76	526375
Okapi LED with post top mounting	OKAPI LED/FG/C/30/57/C1/PT76	526376
Okapi LED with post top mounting	OKAPI LED/FG/C/30/57/C2/PT76	526377
Okapi LED with post top mounting	OKAPI LED/FG/C/44/40/C1/PT76	526378
Okapi LED with post top mounting	OKAPI LED/FG/C/44/40/C2/PT76	526379
Okapi LED with post top mounting	OKAPI LED/FG/C/44/57/C1/PT76	526380
Okapi LED with post top mounting	OKAPI LED/FG/C/44/57/C2/PT76	526381
Okapi LED with post top mounting	OKAPI LED/FG/E/20/40/C1/PT76	526382
Okapi LED with post top mounting	OKAPI LED/FG/E/20/40/C2/PT76	526383
Okapi LED with post top mounting	OKAPI LED/FG/E/20/57/C1/PT76	526384
Okapi LED with post top mounting	OKAPI LED/FG/E/20/57/C2/PT76	526385
Okapi LED with post top mounting	OKAPI LED/FG/E/30/40/C1/PT76	526386
Okapi LED with post top mounting	OKAPI LED/FG/E/30/40/C2/PT76	526387
Okapi LED with post top mounting	OKAPI LED/FG/E/30/57/C1/PT76	526388
Okapi LED with post top mounting	OKAPI LED/FG/E/30/57/C2/PT76	526389
Okapi LED with post top mounting	OKAPI LED/FG/E/44/40/C1/PT76	526390
Okapi LED with post top mounting	OKAPI LED/FG/E/44/40/C2/PT76	526391
Okapi LED with post top mounting	OKAPI LED/FG/E/44/57/C1/PT76	526392
Okapi LED with post top mounting	OKAPI LED/FG/E/44/57/C2/PT76	526393
Okapi LED with side top mounting		
Okapi LED with side mounting	OKAPI LED/CG/N/20/40/C1/SM60	526394
Okapi LED with side mounting	OKAPI LED/CG/N/20/40/C2/SM60	526395
Okapi LED with side mounting	OKAPI LED/CG/N/20/57/C1/SM60	526396
Okapi LED with side mounting	OKAPI LED/CG/N/20/57/C2/SM60	526397
Okapi LED with side mounting	OKAPI LED/CG/N/30/40/C1/SM60	526398
Okapi LED with side mounting	OKAPI LED/CG/N/30/40/C2/SM60	526399
Okapi LED with side mounting	OKAPI LED/CG/N/30/57/C1/SM60	526400
Okapi LED with side mounting	OKAPI LED/CG/N/30/57/C2/SM60	526401
Okapi LED with side mounting	OKAPI LED/CG/N/44/40/C1/SM60	526402
Okapi LED with side mounting	OKAPI LED/CG/N/44/40/C2/SM60	526403
Okapi LED with side mounting	OKAPI LED/CG/N/44/57/C1/SM60	526404
Okapi LED with side mounting	OKAPI LED/CG/N/44/57/C2/SM60	526405
Okapi LED with side mounting	OKAPI LED/CG/V/20/40/C1/SM60	526406
Okapi LED with side mounting	OKAPI LED/CG/V/20/40/C2/SM60	526407
Okapi LED with side mounting	OKAPI LED/CG/V/20/57/C1/SM60	526408
Okapi LED with side mounting	OKAPI LED/CG/V/20/57/C2/SM60	526409
Okapi LED with side mounting	OKAPI LED/CG/V/30/40/C1/SM60	526410
Okapi LED with side mounting	OKAPI LED/CG/V/30/40/C2/SM60	526411
Okapi LED with side mounting	OKAPI LED/CG/V/30/57/C1/SM60	526412
Okapi LED with side mounting	OKAPI LED/CG/V/30/57/C2/SM60	526413
Okapi LED with side mounting	OKAPI LED/CG/V/44/40/C1/SM60	526414
Okapi LED with side mounting	OKAPI LED/CG/V/44/40/C2/SM60	526415
Okapi LED with side mounting	OKAPI LED/CG/V/44/57/C1/SM60	526416
Okapi LED with side mounting	OKAPI LED/CG/V/44/57/C2/SM60	526417
Okapi LED with side mounting	OKAPI LED/CG/B/20/40/C1/SM60	526418
Okapi LED with side mounting	OKAPI LED/CG/B/20/40/C2/SM60	526419
Okapi LED with side mounting	OKAPI LED/CG/B/20/57/C1/SM60	526420
Okapi LED with side mounting	OKAPI LED/CG/B/20/57/C2/SM60	526421
Okapi LED with side mounting	OKAPI LED/CG/B/30/40/C1/SM60	526422
Okapi LED with side mounting	OKAPI LED/CG/B/30/40/C2/SM60	526423
Okapi LED with side mounting	OKAPI LED/CG/B/30/57/C1/SM60	526424
Okapi LED with side mounting	OKAPI LED/CG/B/30/57/C2/SM60	526425
Okapi LED with side mounting	OKAPI LED/CG/B/44/40/C1/SM60	526426
Okapi LED with side mounting	OKAPI LED/CG/B/44/40/C2/SM60	526427
Okapi LED with side mounting	OKAPI LED/CG/B/44/57/C1/SM60	526428
Okapi LED with side mounting	OKAPI LED/CG/B/44/57/C2/SM60	526429
Okapi LED with side mounting	OKAPI LED/CG/C/20/40/C1/SM60	526430
Okapi LED with side mounting	OKAPI LED/CG/C/20/40/C2/SM60	526431
Okapi LED with side mounting	OKAPI LED/CG/C/20/57/C1/SM60	526432
Okapi LED with side mounting	OKAPI LED/CG/C/20/57/C2/SM60	526433
Okapi LED with side mounting	OKAPI LED/CG/C/30/40/C1/SM60	526434
Okapi LED with side mounting	OKAPI LED/CG/C/30/40/C2/SM60	526435
Okapi LED with side mounting	OKAPI LED/CG/C/30/57/C1/SM60	526436
Okapi LED with side mounting	OKAPI LED/CG/C/30/57/C2/SM60	526437
Okapi LED with side mounting	OKAPI LED/CG/C/44/40/C1/SM60	526438
Okapi LED with side mounting	OKAPI LED/CG/C/44/40/C2/SM60	526439
Okapi LED with side mounting	OKAPI LED/CG/C/44/57/C1/SM60	526440
Okapi LED with side mounting	OKAPI LED/CG/C/44/57/C2/SM60	526441
Okapi LED with side mounting	OKAPI LED/CG/E/20/40/C1/SM60	526442
Okapi LED with side mounting	OKAPI LED/CG/E/20/40/C2/SM60	526443
Okapi LED with side mounting	OKAPI LED/CG/E/20/57/C1/SM60	526444
Okapi LED with side mounting	OKAPI LED/CG/E/20/57/C2/SM60	526445
Okapi LED with side mounting	OKAPI LED/CG/E/30/40/C1/SM60	526446
Okapi LED with side mounting	OKAPI LED/CG/E/30/40/C2/SM60	526447
Okapi LED with side mounting	OKAPI LED/CG/E/30/57/C1/SM60	526448
Okapi LED with side mounting	OKAPI LED/CG/E/30/57/C2/SM60	526449
Okapi LED with side mounting	OKAPI LED/CG/E/44/40/C1/SM60	526450
Okapi LED with side mounting	OKAPI LED/CG/E/44/40/C2/SM60	526451
Okapi LED with side mounting	OKAPI LED/CG/E/44/57/C1/SM60	526452
Okapi LED with side mounting	OKAPI LED/CG/E/44/57/C2/SM60	526453
Okapi LED with side mounting	OKAPI LED/FG/N/20/40/C1/SM60	526454
Okapi LED with side mounting	OKAPI LED/FG/N/20/40/C2/SM60	526455
Okapi LED with side mounting	OKAPI LED/FG/N/20/57/C1/SM60	526456
Okapi LED with side mounting	OKAPI LED/FG/N/20/57/C2/SM60	526457
Okapi LED with side mounting	OKAPI LED/FG/N/30/40/C1/SM60	526458
Okapi LED with side mounting	OKAPI LED/FG/N/30/40/C2/SM60	526459

Index

Product Family	Product Description	SKU
Okapi LED with side mounting	OKAPI LED/FG/N/30/57/C1/SM60	526460
Okapi LED with side mounting	OKAPI LED/FG/N/30/57/C2/SM60	526461
Okapi LED with side mounting	OKAPI LED/FG/N/44/40/C1/SM60	526462
Okapi LED with side mounting	OKAPI LED/FG/N/44/40/C2/SM60	526463
Okapi LED with side mounting	OKAPI LED/FG/N/44/57/C1/SM60	526464
Okapi LED with side mounting	OKAPI LED/FG/N/44/57/C2/SM60	526465
Okapi LED with side mounting	OKAPI LED/FG/V/20/40/C1/SM60	526466
Okapi LED with side mounting	OKAPI LED/FG/V/20/40/C2/SM60	526467
Okapi LED with side mounting	OKAPI LED/FG/V/20/57/C1/SM60	526468
Okapi LED with side mounting	OKAPI LED/FG/V/20/57/C2/SM60	526469
Okapi LED with side mounting	OKAPI LED/FG/V/30/40/C1/SM60	526470
Okapi LED with side mounting	OKAPI LED/FG/V/30/40/C2/SM60	526471
Okapi LED with side mounting	OKAPI LED/FG/V/30/57/C1/SM60	526472
Okapi LED with side mounting	OKAPI LED/FG/V/30/57/C2/SM60	526473
Okapi LED with side mounting	OKAPI LED/FG/V/44/40/C1/SM60	526474
Okapi LED with side mounting	OKAPI LED/FG/V/44/40/C2/SM60	526475
Okapi LED with side mounting	OKAPI LED/FG/V/44/57/C1/SM60	526476
Okapi LED with side mounting	OKAPI LED/FG/V/44/57/C2/SM60	526477
Okapi LED with side mounting	OKAPI LED/FG/B/20/40/C1/SM60	526478
Okapi LED with side mounting	OKAPI LED/FG/B/20/40/C2/SM60	526479
Okapi LED with side mounting	OKAPI LED/FG/B/20/57/C1/SM60	526480
Okapi LED with side mounting	OKAPI LED/FG/B/20/57/C2/SM60	526481
Okapi LED with side mounting	OKAPI LED/FG/B/30/40/C1/SM60	526482
Okapi LED with side mounting	OKAPI LED/FG/B/30/40/C2/SM60	526483
Okapi LED with side mounting	OKAPI LED/FG/B/30/57/C1/SM60	526484
Okapi LED with side mounting	OKAPI LED/FG/B/30/57/C2/SM60	526485
Okapi LED with side mounting	OKAPI LED/FG/B/44/40/C1/SM60	526486
Okapi LED with side mounting	OKAPI LED/FG/B/44/40/C2/SM60	526487
Okapi LED with side mounting	OKAPI LED/FG/B/44/57/C1/SM60	526488
Okapi LED with side mounting	OKAPI LED/FG/B/44/57/C2/SM60	526489
Okapi LED with side mounting	OKAPI LED/FG/C/20/40/C1/SM60	526490
Okapi LED with side mounting	OKAPI LED/FG/C/20/40/C2/SM60	526491
Okapi LED with side mounting	OKAPI LED/FG/C/20/57/C1/SM60	526492
Okapi LED with side mounting	OKAPI LED/FG/C/20/57/C2/SM60	526493
Okapi LED with side mounting	OKAPI LED/FG/C/30/40/C1/SM60	526494
Okapi LED with side mounting	OKAPI LED/FG/C/30/40/C2/SM60	526495
Okapi LED with side mounting	OKAPI LED/FG/C/30/57/C1/SM60	526496
Okapi LED with side mounting	OKAPI LED/FG/C/30/57/C2/SM60	526497
Okapi LED with side mounting	OKAPI LED/FG/C/44/40/C1/SM60	526498
Okapi LED with side mounting	OKAPI LED/FG/C/44/40/C2/SM60	526499
Okapi LED with side mounting	OKAPI LED/FG/C/44/57/C1/SM60	526500
Okapi LED with side mounting	OKAPI LED/FG/C/44/57/C2/SM60	526501
Okapi LED with side mounting	OKAPI LED/FG/E/20/40/C1/SM60	526502
Okapi LED with side mounting	OKAPI LED/FG/E/20/40/C2/SM60	526503
Okapi LED with side mounting	OKAPI LED/FG/E/20/57/C1/SM60	526504
Okapi LED with side mounting	OKAPI LED/FG/E/20/57/C2/SM60	526505
Okapi LED with side mounting	OKAPI LED/FG/E/30/40/C1/SM60	526506
Okapi LED with side mounting	OKAPI LED/FG/E/30/40/C2/SM60	526507
Okapi LED with side mounting	OKAPI LED/FG/E/30/57/C1/SM60	526508
Okapi LED with side mounting	OKAPI LED/FG/E/30/57/C2/SM60	526509
Okapi LED with side mounting	OKAPI LED/FG/E/44/40/C1/SM60	526510
Okapi LED with side mounting	OKAPI LED/FG/E/44/40/C2/SM60	526511
Okapi LED with side mounting	OKAPI LED/FG/E/44/57/C1/SM60	526512
Okapi LED with side mounting	OKAPI LED/FG/E/44/57/C2/SM60	526513
R250		
R250	R250 SINGLE/ASY3/39/30	525324
R250	R250 SINGLE/ASY3/39/60	525325
R250	R250 SINGLE/ASY3/42/43	525346
R250	R250 SINGLE/ASY3/57/30	525347
R250	R250 SINGLE/ASY3/57/60	525348
R250	R250 SINGLE/ASY3/59/43	525349
R250	R250 DOUBLE/ASY3/78/30	525350
R250	R250 DOUBLE/ASY3/78/60	525351
R250	R250 DOUBLE/ASY3/80/43	525352
R250	R250 DOUBLE/ASY3/94/30	525353
R250	R250 DOUBLE/ASY3/94/60	525354
R250	R250 DOUBLE/ASY3/97/43	525355
R250	R250 DOUBLE/ASY3/111/30	525356
R250	R250 DOUBLE/ASY3/111/60	525357
R250	R250 DOUBLE/ASY3/115/43	525358
R250	R250 TRIPLE/ASY3/132/30	525359
R250	R250 TRIPLE/ASY3/132/60	525360
R250	R250 TRIPLE/ASY3/140/43	525361
R250	R250 TRIPLE/ASY3/150/30	525362
R250	R250 TRIPLE/ASY3/150/60	525363
R250	R250 TRIPLE/ASY3/157/43	525364
R250	R250 TRIPLE/ASY3/168/30	525365
R250	R250 TRIPLE/ASY3/168/60	525366
R250	R250 TRIPLE/ASY3/174/43	525367
R250	R250 QUADRUPLE/ASY3/189/30	525368
R250	R250 QUADRUPLE/ASY3/189/60	525369
R250	R250 QUADRUPLE/ASY3/196/43	525370
R250	R250 QUADRUPLE/ASY3/207/30	525371
R250	R250 QUADRUPLE/ASY3/207/60	525372
R250	R250 QUADRUPLE/ASY3/215/43	525373
R250	R250 QUADRUPLE/ASY3/222/30	525374
R250	R250 QUADRUPLE/ASY3/222/60	525375
R250	R250 QUADRUPLE/ASY3/229/43	525376
Coupler, Post top for R250, 60mm	ACOP SP6 R250	525215
Coupler, Post top for R250, 76mm	ACOP SP7 R250	525214
Odyssey		
ODYSSEY	ODYSSEY/VC HPS50	73993
ODYSSEY	ODYSSEY/VC HPS70	73994
ODYSSEY	ODYSSEY/VC HPS100 C2	73996
ODYSSEY	ODYSSEY/VC HPS150 C2	73997
ODYSSEY	ODYSSEY/SW/VC MH70 C2	73998
ODYSSEY	ODYSSEY/VC HPS70 RC	74002
ODYSSEY	ODYSSEY/VC HPS100 RC	74003
ODYSSEY	ODYSSEY/VC HPS150 RC	74004
ODYSSEY	ODYSSEY/VC HPS70 VOSSLOH BI-P	78064
ODYSSEY	ODYSSEY/VC HPS150 VOSSLOH BI-P	78074
ODYSSEY	ODYSSEY/VT HPS50 VOSSLOH BI-P R7024	99763

Index

Product Family	Product Description	SKU
ODYSSEY	ODYSSEY/VT HPS100 RCSLMI	99764
ODYSSEY	ODYSSEY/VT S/E E40 C2	99765
ODYSSEY	ODYSSEY/VT HPS70 VOSSLOH BI-P R7024	99766
ODYSSEY	ODYSSEY/VT HPS100 VOSSLOH BI-P R7024	99767
ODYSSEY	ODYSSEY/VC HPS50 BELG	99768
ODYSSEY	ODYSSEY/VC S/E E27	99769
ODYSSEY	ODYSSEY/VC HPS70 BELG	99770
ODYSSEY	ODYSSEY/SW/VC MH150 E40 EB	99771
ODYSSEY	ODYSSEY/VC S/E E40	99772
ODYSSEY	ODYSSEY/VT HPS150 C2	99773
ODYSSEY	ODYSSEY/SW/VC MH70 RCSLM ETI	99774
ODYSSEY	ODYSSEY/VC HPS100 VOSSLOH BI-P	99775
ODYSSEY	ODYSSEY/VC S/E E40 BELG	99790
ODYSSEY	ODYSSEY/VT S/E E40 C2 NOIR 2200 SABLE	99791
ODYSSEY	ODYSSEY/VC S/E E40 BELG R9006	99878
ODYSSEY	ODYSSEY/VC S/E E27 BELG R9006	99879
ODYSSEY	ODYSSEY/VC HPS100	99921
ODYSSEY	ODYSSEY/SW/VC MH70	522530
ODYSSEY	ODYSSEY/SW/VC MH100 E40	522531
ODYSSEY	ODYSSEY/SW/VC MH150 E40	522532
ODYSSEY	ODYSSEY/VC MH150 E40	522534
ODYSSEY	ODYSSEY/VT HPS70	523948
ODYSSEY	ODYSSEY/VT HPS150	523949
ODYSSEY	ODYSSEY/VT S/E E27	523950
ODYSSEY	ODYSSEY/VT S/E E40	523951
ODYSSEY	ODYSSEY/SW/VT MH70 VOSSLOH BI-P	525023
ODYSSEY	ODYSSEY/SW/VT MH150 VOSSLOH BI-P	525024
ODYSSEY	ODYSSEY/VT HPS150 RCSLMI	525699
ODYSSEY	ODYSSEY/SW/VT S/E E27	526018
ODYSSEY	ODYSSEY/SW/VT S/E E40	526019
ODYSSEY	ODYSSEY/SW/VT S/E E27 FOTO	526020
ODYSSEY	ODYSSEY/SW/VT S/E E40 FOTO	526021
ODYSSEY	ODYSSEY/SW/VC MH50	526577
ODYSSEY	ODYSSEY/VC MH150 E40	526646
ODYSSEY	ODYSSEY/VT HPS100	526673
ODYSSEY	ODYSSEY/VT HPS100	526673
ODYSSEY	ODYSSEY/VC S/E E27 FOTO	527222
ODYSSEY	ODYSSEY/VC S/E E40 FOTO	527223
ODYSSEY	ODYSSEY/VT S/E E27 FOTO	527224
ODYSSEY	ODYSSEY/VT S/E E40 FOTO	527225
ODYSSEY	ODYSSEY/VT HPS150 FOTO	527226
ODYSSEY	ODYSSEY/VC HPS100 C2 GRIS OXIDON	527227
ODYSSEY	ODYSSEY/VC HPS150 C2 GRIS OXIDON	527228
ODYSSEY	ODYSSEY/VT MH150 E40	527229
ODYSSEY	ODYSSEY/VC HPM125	527231
ODYSSEY	ODYSSEY/VT HPS100 C2 NOIR 2200 SABLE	527232
ODYSSEY	ODYSSEY/VT HPS150 C2 NOIR 2200 SABLE	527233
ODYSSEY	ODYSSEY/VC HPS150 FOTO S/DESC	527234
ODYSSEY	ODYSSEY/VT S/E E27 C2	527235
ODYSSEY	ODYSSEY/VT HPS50	527236
ODYSSEY	ODYSSEY/VC HPS50 VOSSLOH BIPOWER	527241
ODYSSEY	ODYSSEY/VC S/E E27 COSMO	527242

Product Family	Product Description	SKU
ODYSSEY	ODYSSEY/VC HPS150 C2 R9011	527243
ODYSSEY	ODYSSEY/VT S/E E40 C2 GRIS 900 SABLE	527244
ODYSSEY	ODYSSEyVtS/eE40C2R5002R9010R5002R9010	527247
ODYSSEY	ODYSSEY/SW/VC MH70 EB	527248
ODYSSEY	ODYSSEY/VC HPS100 GRIS OXIDON	527249
ODYSSEY	ODYSSEY/VC HPS150 GRIS OXIDON	527250
ODYSSEY	ODYSSEY/VC HPS100 R6005	527251
ODYSSEY	ODYSSEY/SW/VT MH50	527252
ODYSSEY	ODYSSEY/SW/VT MH70	527253
ODYSSEY	ODYSSEY/SW/VT MH100 E40	527254
ODYSSEY	ODYSSEY/SW/VT MH150 E40	527255
ODYSSEY	ODYSSEY/VC HPS100 R6009	527256
ODYSSEY	ODYSSEY/VC HPS150 R6009	527257
ODYSSEY	ODYSSEY/VT HPS150 EB	527258
ODYSSEY	ODYSSEY/VT HPS150 VOSSLOH BIPOWER	527259
ODYSSEY	ODYSSEY/VC HPS100 R2000	527260
ODYSSEY	ODYSSEY/VT S/E E40 C2 R5004	527261
ODYSSEY	ODYSSEY/VT HPS100 RC	527262
ODYSSEY	ODYSSEY/VT HPS150 RC	527263
ODYSSEY	ODYSSEY/VT S/E E40 C2 R3004	527264
ODYSSEY	ODYSSEY/VC HPS150 BELG	527265
ODYSSEY	ODYSSEY/VC HPS100 BELG	527266
ODYSSEY	ODYSSEY/SW/VC MH150 E40 BELG	527267
ODYSSEY	ODYSSEY/SW/VC MH100 E40 BELG	527268
ODYSSEY	ODYSSEY/SW/VC MH70 BELG	527269
ODYSSEY	ODYSSEY/SW/VC MH50 BELG	527270
ODYSSEY	ODYSSEY/SW/VC MH70 BELG R7001	527271
ODYSSEY	ODYSSEY/SW/VC MH50 BELG R9011	527272
ODYSSEY	ODYSSEY/SW/VC MH70 BELG R9011	527273
ODYSSEY	ODYSSEY/SW/VC MH100 E40 BELG R9011	527274
ODYSSEY	ODYSSEY/VC S/E E40 R7011	527275
ODYSSEY	ODYSSEY/VT HPS70 RCSLMI	527276
ODYSSEY	ODYSSEY/VC HPS70 RCSLMI	527277
ODYSSEY	ODYSSEY/SW/VT MH150 E40 EB	527278
ODYSSEY	ODYSSEY/SW/VC S/E E40 BELG	527279
ODYSSEY	ODYSSEY/VC HPS150 BELG R9011	527280
ODYSSEY	ODYSSEY/VT HPS100 C2	527281
ODYSSEY	ODYSSEY/SW/VC MH150 E40 RCSLMI	527282
ODYSSEY	ODYSSEY/VC HPS50 BELG R9011	527283
ODYSSEY	ODYSSEY/VC HPS70 BELG R9011	527284
ODYSSEY	ODYSSEY/VC HPS70 RCSLM	527285
ODYSSEY	ODYSSEY/SW/VC MH70 RC ETI	527286
ODYSSEY	ODYSSEY/SW/VC MH100 RC E40 ETI	527287
ODYSSEY	ODYSSEY/VT HPS70 C2	527288
ODYSSEY	ODYSSEY/SW/VT MH150 E40 C2	527289
ODYSSEY	ODYSSEY/SW/VT MH70 C2	527290
ODYSSEY	ODYSSEY/VT HPS150 RCSLM C2	527291
ODYSSEY	ODYSSEY/VC S/E E40 BELG R7016	527292
ODYSSEY	ODYSSEY/VC HPS150 EB /C TEKOX R7030	527293
ODYSSEY	ODYSSEY/SW/VC S/E E40 ALI	527738
ODYSSEY	ODYSSEY/VC HPS50 BELG R7035	527827
ODYSSEY	ODYSSEY/VC HPS70 BELG R7035	527828

Index

Product Family	Product Description	SKU
ODYSSEY	ODYSSEY/VC HPS100 BELG R7035	527829
ODYSSEY	ODYSSEY/VC HPS150 BELG R7035	527830
ODYSSEY	ODYSSEY/VC S/E E40 BELG R7035	527831
ODYSSEY	ODYSSEY/VC HPS100 C2 R6005	Being Listed
Coupler for Odyssey	ACOP ODYSSEY	527832
Adapter, for Odyssey 34 - 42mm	ACOP D42-34 ODYSSEY	78345
Adapter, for Odyssey 34 - 42mm	ACOP D42-34 ODYSSEY NOIR 2200 SABLE	528188
Euro 2		
EURO 2	EURO-2 HPS250	99819
EURO 2	EURO-2 HPS150	99820
EURO 2	EURO-2 HPS100	99822
EURO 2	EURO-2 HPS250 RCSLM	99824
EURO 2	EURO-2 HPS50	519723
EURO 2	EURO-2 HPS70	519724
EURO 2	EURO-2 MH150 E40	519728
EURO 2	EURO-2 MH250 (HPS)	519729
EURO 2	EURO-2 HPS70 RC	519730
EURO 2	EURO-2 HPS100 RC	519731
EURO 2	EURO-2 HPS250 R9010	523770
EURO 2	EURO-2 S/E E40	525958
EURO 2	EURO-2 HPS150 R9005	525997
EURO 2	EURO-2 HPS100 RCSLM RASE	526015
EURO 2	EURO-2 HPS150 C2	526674
EURO 2	EURO-2 HPS250 C2	526675
EURO 2	EURO-2 HPS150 RC	526676
EURO 2	EURO-2 HPS250 RC	526677
EURO 2	EURO-2 MH150 E40 R9016	526775
EURO 2	EURO-2 HPS150 R9010	527826
EURO 2	EURO-2 S/E E27	526927
EURO 2	EURO-2 HPM125	526928
EURO 2	EURO-2 HPM250	526929
EURO 2	EURO-2 HPS100 R1015	526930
EURO 2	EURO-2 HPS150 R1015	526931
EURO 2	EURO-2 HPS150 R5003	526932
EURO 2	EURO-2 HPS150 C2 R1015	526933
EURO 2	EURO-2 HPS150 R3004	526934
EURO 2	EURO-2 HPS250 R1015	526935
EURO 2	EURO-2 HPS250 R5003	526936
EURO 2	EURO-2 HPS250 RC R1015	526937
EURO 2	EURO-2 HPS250 C2 R6001	526938
EURO 2	EURO-2 HPS150 R9006 AISL	526939
EURO 2	EURO-2 MH250 (VM)	526940
EURO 2	EURO-2 HPM250 RC	526941
EURO 2	EURO-2 S/E E40 R1015	526942
EURO 2	EURO-2 MH100	526943
EURO 2	EURO-2 HPS150 R9006	526944
EURO 2	EURO-2 HPS150 R9011	526945
EURO 2	EURO-2 HPS250 RC R3011	526946
EURO 2	EURO-2 HPS70 RCSLM	526947
EURO 2	EURO-2 HPS250 R9006 AISL	526948
EURO 2	EURO-2 HPS250 R3004	526949

Product Family	Product Description	SKU
EURO 2	EURO-2 HPS100 RCSLM	526950
EURO 2	EURO-2 HPS150 RCSLM	526951
EURO 2	EURO-2 HPS150 RCZAR	526952
EURO 2	EURO-2 HPS150 RC R5003	526953
EURO 2	EURO-2 S/E E40 R3004	526954
EURO 2	EURO-2 HPS100 R6001	526955
EURO 2	EURO-2 HPS150 ZAR	526956
EURO 2	EURO-2 HPS150 RC R1015	526958
EURO 2	EURO-2 HPS150 RCA	526959
EURO 2	EURO-2 S/E E40 R9011	526960
EURO 2	EURO-2 HPS100 R9011	526961
EURO 2	EURO-2 HPS70 R9011	526962
EURO 2	EURO-2 HPS250 RCSLM R5003	526963
EURO 2	EURO-2 MH100 E40	526965
EURO 2	EURO-2 HPS70 C2	526967
EURO 2	EURO-2 HPS100 C2	526968
EURO 2	EURO-2 MH250 (VM) R9011	526969
EURO 2	EURO-2 MH250 (VM) R5003	526970
EURO 2	EURO-2 HPS150 R6005	526973
EURO 2	EURO-2 HPS250 R6005	526974
EURO 2	EURO-2 HPS250 R9011	526977
EURO 2	EURO-2 HPS150 C2 R9011	526978
EURO 2	EURO-2 HPS100 R9006	526979
EURO 2	EURO-2 HPS100 R9006 AISL	526980
EURO 2	EURO-2 HPS50 R5003	526981
EURO 2	EURO-2 HPS100 C2 R5003	526983
EURO 2	EURO-2 HPS70 R9007	526985
EURO 2	EURO-2 S/E E27 R5003	526986
EURO 2	EURO-2 HPS150 FOTO	526989
EURO 2	EURO-2 HPS70 C2 R9010	526990
EURO 2	EURO-2 HPS150 C2 R9010	526991
EURO 2	EURO-2 HPS150 RCSLM R1028	526992
EURO 2	EURO-2 HPS150 R7043	526994
EURO 2	EURO-2 HPS250 R7043	526995
EURO 2	EURO-2 HPS250 R6001	526997
EURO 2	EURO-2 HPS250 FOTO	526998
EURO 2	EURO-2 HPS70 FOTO	526999
EURO 2	EURO-2 HPS250 RC R6005	527000
EURO 2	EURO-2 HPS150 RC R6005	527002
EURO 2	EURO-2 HPS100 R9005	527003
EURO 2	EURO-2 HPS250 R2004	527004
EURO 2	EURO-2 HPS250 C2 R9007	527006
EURO 2	EURO-2 S/E E40 R1013	527007
EURO 2	EURO-2 HPS150 R7039	527010
EURO 2	EURO-2 MH100 E40 C2	527011
EURO 2	EURO-2 HPS250 RC C2	527014
EURO 2	EURO-2 HPS150 RC R3011	527016
EURO 2	EURO-2 MH150 E40 RC ETI	527017
EURO 2	EURO-2 HPS100 C2 R7040	527018
EURO 2	EURO-2 HPS150 C2 R7040	527019
EURO 2	EURO-2 MH100 E40 RC ETI	527020
EURO 2	EURO-2 HPS100 RC R5003	527021

Index

Product Family	Product Description	SKU
EURO 2	EURO-2 HPS250 ETI	527022
EURO 2	EURO-2 HPS150 RC R5002	527023
EURO 2	EURO-2 HPS100 R7040	527025
EURO 2	EURO-2 HPS70 R9006 AISL	527027
EURO 2	EURO-2 MH70 RCSLM ETI	527028
EURO 2	EURO-2 MH100 E40 RCSLM ETI	527029
EURO 2	EURO-2 MH150 E40 RCSLM ETI	527030
EURO 2	EURO-2 MH250 (HPS) RCSLM ETI	527031
EURO 2	EURO-2 HPS150 R7040	527032
EURO 2	EURO-2 HPS250 RC C2 R9010	527036
EURO 2	EURO-2 HPS100 ZAR R9006	527037
EURO 2	EURO-2 HPS70 ZAR R9006	527038
EURO 2	EURO-2 HPS150 ZAR R9006	527040
EURO 2	EURO-2 HPS150 RCZAR R9006	527041
EURO 2	EURO-2 HPS70 RCZAR R9006	527042
EURO 2	EURO-2 HPS50 RCZAR R9006	527043
EURO 2	EURO-2 MH250 (HPS) RC ETI	527044
EURO 2	EURO-2 HPS100 RCZAR R9006	527045
EURO 2	EURO-2 HPS100 EB RCSLM EXT	527046
EURO 2	EURO-2 HPS150 EB RCSLM EXT	527047
EURO 2	EURO-2 HPS100 RC R9006	527048
EURO 2	EURO-2 HPS70 R9006	527049
EURO 2	EURO-2 HPS150 EB	527050
EURO 2	EURO-2 HPS250 RC R9007	527051
EURO 2	EURO-2 HPS100 R6017	527053
EURO 2	EURO-2 HPS100 R8022	527054
EURO 2	EURO-2 HPS250 R9007	527055
EURO 2	EURO-2 HPS100 R9010	527057
EURO 2	EURO-2 HPS50 RCZAR	527058
EURO 2	EURO-2 MH100 E40 R8022	527059
EURO 2	EURO-2 HPS70 RCZAR	527060
EURO 2	EURO-2 MH100 E40 RCSLM ETI R8022	527064
EURO 2	EURO-2 HPS150 R5019	527065
EURO 2	EURO-2 HPS250 R5019	527066
EURO 2	EURO-2 MH150 E40 R8022	527067
EURO 2	EURO-2 MH250 (HPS) R9016	527068
EURO 2	EURO-2 MH250 (HPS) R9010	527069
EURO 2	EURO-2 HPS250 RCSLM R5019	527070
EURO 2	EURO-2 HPS250 RC R3004	527071
EURO 7		
EURO 7	EURO-7 HPS600	88029
EURO 7	EURO-7 HPS150	99818
EURO 7	EURO-7 HPS250	99823
EURO 7	EURO-7 HPS400	99866
EURO 7	EURO-7 MH150 E40	519737
EURO 7	EURO-7 MH250 (HPS)	519738
EURO 7	EURO-7 MH400 (HPS)	519739
EURO 7	EURO-7 HPS250 RC	519740
EURO 7	EURO-7 HPS400 RC	519741
EURO 7	EURO-7 HPS400 IP66	525064
EURO 7	EURO-7 S/E E40	527805

Product Family	Product Description	SKU
EURO 7	EURO-7 HPS400 R9010	527072
EURO 7	EURO-7 HPS400 C2 R1015	527073
EURO 7	EURO-7 MH400 (VM)	527074
EURO 7	EURO-7 HPS250 R1015	527075
EURO 7	EURO-7 HPS250 R5017	527077
EURO 7	EURO-7 HPS250 AII	527078
EURO 7	EURO-7 HPM250	527080
EURO 7	EURO-7 HPS150 RC	527081
EURO 7	EURO-7 HPS400 R9006 AISL	527082
EURO 7	EURO-7 HPS250 ZAR	527083
EURO 7	EURO-7 HPS250 R3004	527084
EURO 7	EURO-7 HPS400 R3004	527085
EURO 7	EURO-7 HPS250 R9006 AISL	527088
EURO 7	EURO-7 HPS400 C2	527089
EURO 7	EURO-7 HPS250 R5003	527090
EURO 7	EURO-7 HPS400 R5003	527093
EURO 7	EURO-7 HPS250 C2	527094
EURO 7	EURO-7 HPS250 RCZAR	527097
EURO 7	EURO-7 HPS400 RCZAR	527098
EURO 7	EURO-7 HPS400 RC R3004	527099
EURO 7	EURO-7 HPS150 R5003	527100
EURO 7	EURO-7 HPS400 R9016	527102
EURO 7	EURO-7 HPS250 R9010	527103
EURO 7	EURO-7 HPS400 R5017	527104
EURO 7	EURO-7 HPS400 C2 R9007	527106
EURO 7	EURO-7 HPS250 RC R9006 AISL	527107
EURO 7	EURO-7 MH150 R5002	527108
EURO 7	EURO-7 HPS250 RCSLM	527109
EURO 7	EURO-7 HPS400 R6012	527110
EURO 7	EURO-7 HPS250 AII TEMP	527111
EURO 7	EURO-7 HPS150 ZAR	527112
EURO 7	EURO-7 HPS150 R9006 AISL	527113
EURO 7	EURO-7 HPS250 ETI	527114
EURO 7	EURO-7 HPS400 ETI	527115
EURO 7	EURO-7 MH250 (HPS) RC ETI	527117
EURO 7	EURO-7 MH400 (HPS) RC ETI	527118
EURO 7	EURO-7 MH400 (HPS) RCA ETI	527119
EURO 7	EURO-7 HPS400 RC R9007	527120
EURO 7	EURO-7 HPS250 R6017	527121
EURO 7	EURO-7 HPS150 R1015	527122
EURO 7	EURO-7 HPS400 R9006	527123
EURO 7	EURO-7 HPS400 R5019	527124
EURO 7	EURO-7 HPS400 RCSLM	527125
EURO 7	EURO-7 HPS150 IP66	527126
EURO 7	EURO-7 HPS250 IP66	527127
EURO 7	EURO-7 HPS600 IP65	527131
Electrical Unit for Euro	U/E EURO HPS250	99821
Eurostreet		
Eurostreet	NL EUROSTREET ET 40400MGCMH CWL 230V GE	42593
Eurostreet	NL EUROSTREET ET25100SG CWL 230V GE	42613
Eurostreet	NL EUROSTREET ET25100SGCWL RC TMR 230 GE	75274

Index

Product Family	Product Description	SKU
Eurostreet	NL EUROSTREET ET25100SP CWL 230V GE	42628
Eurostreet	NL EUROSTREET ET25125HG CWL 230V GE	42608
Eurostreet	NL EUROSTREET ET25125HP CWL 230V GE	42609
Eurostreet	NL EUROSTREET ET25150MG CMH CWL 230V GE	42652
Eurostreet	NL EUROSTREET ET25150MP CMH CWL 230V GE	43668
Eurostreet	NL EUROSTREET ET25150SG CWL 230V GE	42629
Eurostreet	NL EUROSTREET ET25150SGCWL RC TMR 230 GE	75275
Eurostreet	NL EUROSTREET ET25150SP CWL 230V GE	42634
Eurostreet	NL EUROSTREET ET2550SG 230V50HZ W/O LAMP	64965
Eurostreet	NL EUROSTREET ET2550SG CWL 230V 50HZ	42651
Eurostreet	NL EUROSTREET ET2570SG CWL 230V GE	42610
Eurostreet	NL EUROSTREET ET2570SG CWL RC TMR 230 GE	75273
Eurostreet	NL EUROSTREET ET2570SG LL 230V GE	44092
Eurostreet	NL EUROSTREET ET2570SG LL 230V GE RC	99815
Eurostreet	NL EUROSTREET ET2570SP CWL 230V GE	42611
Eurostreet	NL EUROSTREET ET40 EMPTY GE	82956
Eurostreet	NL EUROSTREET ET40250HG CWL 230V GE	42635
Eurostreet	NL EUROSTREET ET40250MG CWL 230V GE	42642
Eurostreet	NL EUROSTREET ET40250MGCMH CWL 230V GE	42592
Eurostreet	NL EUROSTREET ET40250SG CWL 230V GE	42639
Eurostreet	NL EUROSTREET ET40250SG LL 230V GE	44091
Eurostreet	NL EUROSTREET ET40400HG CWL 230V GE	42636
Eurostreet	NL EUROSTREET ET40400MG CWL 230V GE	42650
Eurostreet	NL EUROSTREET ET40400SG CWL 230V GE	42641
Eurostreet	NL EUROSTREET ETG25 E40 EMPTY GE	82971
HMA		
HMA	HMA/CA HPS400	519545
HMA	HMA/CA MH400	Being Listed
HMA	HMA/CA S/E E40	Being Listed
TPK		
TPK	TPK HPS400	519543
TPK	TPK HPS250	88036
TPK	TPK HPS150	88035
TPK	TPK HPS400 RC	Being Listed
TPK	TPK HPS600	519544
TPK	TPK HPS400 C2	Being Listed
TPK	TPK MH250 (HPM)	Being Listed
TPK	TPK/L HPS400	Being Listed
TPK	TPK/L HPS400 RC	Being Listed
Stela		
STELA	STELA HPS250 R9007	519813
STELA	STELA HPS400 R9007	519814
STELA	STELA MH250 (HPS) R9007	519816
STELA	STELA MH400 (HPS) R9007	519817
STELA	STELA HPS150 R9007	527405
STELA	STELA MH150 E40 R9007	527406
STELA	STELA HPS150 RC R9007	527407
STELA	STELA HPS400 C2 R9007	527408
STELA	STELA MH250 (HPS) C2 R9007	527409

Product Family	Product Description	SKU
STELA	STELA MH400 (HPS) C2 R9007	527410
STELA	STELA S/E E40 R9007	527411
STELA	STELA HPS150 R5003	527412
STELA	STELA HPS250 R9006	527413
STELA	STELA HPS150 R9006	527414
STELA	STELA HPS250 R9011	527415
STELA	STELA HPS150 R9011	527416
STELA	STELA MH250 (HPS) R9006	527417
STELA	STELA MH400 (HPS) R9006	527418
STELA	STELA MH150 RC E40 R9007	527419
STELA	STELA HPS250 RC R9011	527420
STELA	STELA S/E E40 R5003	527421
STELA	STELA HPS250 R5005	527422
STELA	STELA HPS250 RC R3004 OXIDON	527423
STELA	STELA MH100 E40 C2 R9007	527424
STELA	STELA MH100 E40 C2 IP54 R9007	527425
STELA	STELA MH250 (HPS) C2 IP54 R9007	527426
STELA	STELA MH400 (HPS) C2 IP54 R9007	527427
Coupler, Post top for Stela, 60mm	ACOP SP6 STELA R9007	528186
Brisa		
BRISA	BRISA HPS150 R9006	87940
BRISA	BRISA HPS250 R9006	519803
BRISA	BRISA HPS400 R9006	519804
BRISA	BRISA MH250 (HPS) R9006	519806
BRISA	BRISA MH400 (HPS) R9006	519807
BRISA	BRISA MH150 E40 R9006	526726
BRISA	BRISA HPS150 C2 R9006	526730
BRISA	BRISA HPS250 C2 R9006	526731
BRISA	BRISA S/E E40 R9006	526736
BRISA	BRISA MH150 E40 EB R9006	526748
Coupler, Post top for Brisa, 60mm	ACOP SP6 BRISA R9010	526764
Coupler, Post top for Brisa, 60mm	ACOP SP6 BRISA R9006	527533
Coupler, Post top for Brisa, 60mm	ACOP SP6 BRISA R1036	527534
Coupler, Post top for Brisa, 60mm	ACOP SP6 BRISA R9007	527535
Coupler, Post top for Brisa, 60mm	ACOP SP6 BRISA R7035	528187

Decorative and Pedestrian

Duna LED		
DUNA LED	DUNA LED SYM5/57 R9011	99836
DUNA LED	DUNA LED SYM5/41	524553
DUNA LED	DUNA LED SYM5/57	524554
DUNA LED	DUNA LED ASY3/41	524555
DUNA LED	DUNA LED ASY3/57	524556
DUNA LED	DUNA LED ASY4/41	524557
DUNA LED	DUNA LED SYM5/41 R7026	524795
DUNA LED	DUNA LED/D SYM5/41	525056
DUNA LED	DUNA LED/D ASY4/41	525060
DUNA LED	DUNA LED/D ASY4/41 R9011	526550
DUNA LED	DUNA LED ASY4/57	526655
DUNA LED	DUNA LED ASY3/41 R9011	526656

Index

Product Family	Product Description	SKU
DUNA LED	DUNA LED SYM5/41 GRIS OXIDON	526657
DUNA LED	DUNA LED SYM5/41 R9011	526658
DUNA LED	DUNA LED/D ASY3/41 R9007	526659
DUNA LED	DUNA LED/D SYM5/41 R9011	526660
DUNA LED	DUNA LED/D SYM5/41 NEGRO FORJA	526661
Coupler, Post top for Duna, 76mm	ACOP SP7 DUNA R9011	525453
Iberia LED		
IBERIA LED	IBERIA/E/LED SYM5/41 GRIS 150 SABLE	78107
IBERIA LED	IBERIA/E/LED/D ASY4/41 GRIS 150 SABLE	99900
IBERIA LED	IBERIA/E/LED/P1 SYM5/41 R3001	99901
IBERIA LED	IBERIA/E/LED ASY3/41 GRIS 150 SABLE	99902
IBERIA LED	IBERIA/E/LED ASY3/41 R7024	524996
IBERIA LED	IBERIA/E/LED ASY3/41 GRIS 900 SABLE	525029
IBERIA LED	IBERIA/E/LED/D SYM5/41 GRIS 150 SABLE	525040
IBERIA LED	IBERIA/E/LED/D ASY4/57 GRIS 150 SABLE	525045
IBERIA LED	IBERIA/E/LED/D ASY3/41 R9005	525463
IBERIA LED	IBERIA/E/LED/D ASY3/41 GRIS 150 SABLE	526016
IBERIA LED	IBERIA/E/LED /L/D ASY4/41 GRIS 150 SABLE	526017
IBERIA LED	IBERIA/E/LED/P1 SYM5/41 GRIS 150 SABLE	526023
IBERIA LED	IBERIA/E/LED SYM5/57 GRIS 150 SABLE	526030
IBERIA LED	IBERIA/E/LED ASY4/57 GRIS 150 SABLE	526031
IBERIA LED	IBERIA/E/LED/L/D ASY4/57GRIS 150 SABLE	526560
IBERIA LED	IBERIA/E/LED/L/D SYM5/57GRIS 150 SABLE	526561
IBERIA LED	IBERIA/E/LED/L ASY4/57 GRIS 150 SABLE	526643
IBERIA LED	IBERIA/E/LED/L SYM5/57 GRIS 150 SABLE	526644
IBERIA LED	IBERIA/E/LED ASY3/57 GRIS 150 SABLE	526679
IBERIA LED	IBERIA/E/LED/L SYM5/41 GRIS OXIDON	526680
IBERIA LED	IBERIA/E/LED/L SYM5/57 GRIS OXIDON	526681
IBERIA LED	IBERIA/E/LED ASY3/57 R9011	526682
IBERIA LED	IBERIA/E/LED SYM5/41 BRUN 650 SABLE	526683
IBERIA LED	IBERIA/E/LED SYM5/57 BRUN 650 SABLE	526684
IBERIA LED	IBERIA/E/LED ASY3/41 GRIS OXIDON	526685
IBERIA LED	IBERIA/E/LED/L SYM5/41 GRIS 150 SABLE	526686
IBERIA LED	IBERIA/E/LED SYM5/41 R5017	526687
IBERIA LED	IBERIA/E/LED/L ASY4/41 GRIS 150 SABLE	526688
IBERIA LED	IBERIA/E/LED ASY4/41 GRIS OXIDON	526689
IBERIA LED	IBERIA/E/LED SYM5/41 R3004	526690
IBERIA LED	IBERIA/E/LED/P1 SYM5/41 R3004	526691
IBERIA LED	IBERIA/E/LED/L ASY3/41 GRIS 150 SABLE	526692
IBERIA LED	IBERIA/E/LED SYM5/41 R9011	526693
IBERIA LED	IBERIA/E/LED/L ASY3/57 GRIS 150 SABLE	526694
IBERIA LED	IBERIA/E/LED ASY3/41 R9011	526695
IBERIA LED	IBERIA/E/LED ASY4/41 R9011	526696
IBERIA LED	IBERIA/E/LED SYM5/41 GRIS OXIDON	526697
IBERIA LED	IBERIA/E/LED/L ASY4/41 GRIS OXIDON	526698
IBERIA LED	IBERIA/E/LED ASY4/41 R5010	526699
IBERIA LED	IBERIA/E/LED SYM5/57 R5010	526700
IBERIA LED	IBERIA/E/LED/P1 ASY3/41 R1013	526701
IBERIA LED	IBERIA/E/LED ASY3/41 NEGRO FORJA	526702
IBERIA LED	IBERIA/E/LED SYM5/41 NEGRO FORJA	526703
IBERIA LED	IBERIA/E/LED ASY3/41 R9007	526704

Product Family	Product Description	SKU
IBERIA LED	IBERIA/E/LED ASY4/41 R7026	526705
IBERIA LED	IBERIA/E/LED/L/D SYM5/41GRIS 150 SABLE	526706
IBERIA LED	IBERIA/E/LED/L/D ASY3/41GRIS 150 SABLE	526707
IBERIA LED	IBERIA/E/LED/L/D ASY3/57GRIS 150 SABLE	526708
IBERIA LED	IBERIA/E/LED/P1/D SYM5/41 GRIS 150 SABLE	526709
IBERIA LED	IBERIA/E/LED SYM5/41 R7038	526715
IBERIA LED	IBERIA/E/LED ASY3/41 R7038	526716
IBERIA LED	IBERIA/E/LED/D ASY3/41 GRIS OXIDON	526717
IBERIA LED	IBERIA/E/LED/L/D SYM5/57R5011	526718
IBERIA LED	IBERIA/E/LED/D ASY3/41 NEGRO FORJA	526719
IBERIA LED	IBERIA/E/LED ASY4/41 NEGRO FORJA	526720
IBERIA LED	IBERIA/E/LED/D ASY4/41 R9022	526721
IBERIA LED	IBERIA/E/LED ASY3/41 R9006	526722
IBERIA LED	IBERIA/E/LED/L/D ASY4/41R6009	526723
IBERIA LED	IBERIA/E/LED/D ASY4/41 GRIS OXIDON	526724
IBERIA LED	IBERIA/E/LED/P1/D SYM5/41 GRIS OXIDON	526725
IBERIA LED	IBERIA/E/LED/P1/D ASY4/41 GRIS 150 SABLE	527717
IBERIA LED	IBERIA/E/LED ASY4/41 GRIS 150 SABLE	78112
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA GRIS 150 SABLE	519834
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7024	524997
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9005	525464
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA GRIS OXIDON	525981
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7016	525999
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA GRIS 900 SABLE	526578
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9011	526648
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R5010	527859
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9007	527862
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R6001	527865
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7022	527869
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R5003	527903
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9010	528006
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7035	528007
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R6005	528010
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9006	528011
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA GRIS CLARO OXIDON	528013
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R5017	528014
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA ROJO BURDEOS 3005 OXIDON	528019
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7043	528021
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R6010	528024
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R3004	528026
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R6009	528029
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA LED GELS35-433425-01	528046
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R5002	528050
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA NEGRO FORJA	528052
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9022	528059
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7039	528209
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA GRIS OXIDON	525982
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA GRIS 150 SABLE	526022
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R9010	526652
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R9011	526773
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R7035	527856
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA VERT 300SABLE	527858

Index

Product Family	Product Description	SKU
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R3004	528025
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R7038	528057
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R6011	528208
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA GRIS 150SABLE	519835
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA GRIS OCXIDON	525980
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R9006	527863
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA GRIS CLARO OXIDON	527868
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R7035	527904
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R5017	528028
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R3004	528033
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R6009	528035
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R9005	528038
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R9007	528053
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R7024	528054
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R9011	528207
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R7039	528210
Coupler, Post top, Double for Iberia, 76mm	ACOP DP7 IBERIA GRIS 150SABLE	519838
Coupler, Post top, Double for Iberia, 76mm	ACOP DP7 IBERIA R9010	528041
Coupler, Post top, Double for Iberia, 76mm	ACOP DP7 IBERIA	528200
Coupler, Post top, Tripple for Iberia, 60mm	ACOP TP6 IBERIA GRIS 150SABLE	519836
Coupler, Post top, Tripple for Iberia, 60mm	ACOP TP6 IBERIA GRIS OXIDON	525983
Coupler, Post top, Tripple for Iberia, 60mm	ACOP TP6 IBERIA R7035	527905
Coupler, Post top, Tripple for Iberia, 60mm	ACOP TP6 IBERIA R3004	528032
Coupler, Post top, Tripple for Iberia, 60mm	ACOP TP6 IBERIA R9005	528037
Coupler, Post top, Tripple for Iberia, 76mm	ACOP TP7 IBERIA GRIS 150SABLE	519839
Coupler, Post top, Tripple for Iberia, 76mm	ACOP TP7 IBERIA GRIS OXIDON	525984
Coupler, side mounting for Iberia	ACOP AT IBERIA GRIS 900 SABLE	525030
Coupler, side mounting for Iberia	ACOP AT R250	525226
Coupler, side mounting for Iberia	ACOP AT IBERIA GRIS 150 SABLE	525998
Coupler, side mounting for Iberia	ACOP AT IBERIA R7016	526000
Coupler, side mounting for Iberia	ACOP AT IBERIA R9007	526568
Coupler, side mounting for Iberia	ACOP AT IBERIA R9011	526649
Coupler, side mounting for Iberia	ACOP AT IBERIA NEGRO FORJA	526650
Coupler, side mounting for Iberia	ACOP AT IBERIA R9016	526651
Coupler, side mounting for Iberia	ACOP AT IBERIA GRIS OXIDON	527529
Coupler, side mounting for Iberia	ACOP AT IBERIA R5003	527854
Coupler, side mounting for Iberia	ACOP AT IBERIA R1028	527857
Coupler, side mounting for Iberia	ACOP AT IBERIA R1013	527860
Coupler, side mounting for Iberia	ACOP AT IBERIA R3004	527861
Coupler, side mounting for Iberia	ACOP AT IBERIA R9006	527864
Coupler, side mounting for Iberia	ACOP AT IBERIA R7015	527866
Coupler, side mounting for Iberia	ACOP AT IBERIA R9005	527867
Coupler, side mounting for Iberia	ACOP AT IBERIA R3011	527902
Coupler, side mounting for Iberia	ACOP AT IBERIA R6001	528015
Coupler, side mounting for Iberia	ACOP AT IBERIA BRUN 650 SABLE	528017
Coupler, side mounting for Iberia	ACOP AT IBERIA R1034	528018
Coupler, side mounting for Iberia	ACOP AT IBERIA R5015	528022
Coupler, side mounting for Iberia	ACOP AT IBERIA R5002	528023
Coupler, side mounting for Iberia	ACOP AT IBERIA R6009	528030
Coupler, side mounting for Iberia	ACOP AT IBERIA R7039	528031
Coupler, side mounting for Iberia	ACOP AT IBERIA VERDE OXIDON	528034
Coupler, side mounting for Iberia	ACOP AT IBERIA R3005	528040

Product Family	Product Description	SKU
Coupler, side mounting for Iberia	ACOP AT IBERIA R6011	528042
Coupler, side mounting for Iberia	ACOP AT IBERIA R3003	528045
Coupler, side mounting for Iberia	ACOP AT IBERIA R2004	528048
Coupler, side mounting for Iberia	ACOP AT IBERIA R7024	528055
Coupler, side mounting for Iberia	ACOP AT IBERIA R6029	528056
Coupler, side mounting for Iberia	ACOP AT IBERIA GELS	528061
Coupler, side mounting for Iberia	ACOP AT IBERIA R9010	528198
Coupler, side mounting for Iberia	ACOP AT IBERIA R7035	528199
Coupler, side mounting for Iberia	ACOP AT42 IBERIA	528201
Coupler, side mounting for Iberia	ACOP AT34 IBERIA R9010	528202
Coupler, side mounting for Iberia	ACOP AT42 IBERIA GRIS 150 SABLE	528203
Coupler, side mounting for Iberia	ACOP AT42 IBERIA R7035	528204
Coupler, Wall Mount for Iberia	ACOP WM IBERIA GRIS 150 SABLE	519841
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R7026	524796
Coupler, Wall Mount for Iberia	ACOP WM IBERIA GRIS OXIDON	525985
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R9011	526774
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R5003	528008
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R7035	528009
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R1013	528036
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R5010	528044
Coupler, Yoke for Iberia	ACOP L IBERIA GRIS OXIDON	525708
Coupler, Yoke for Iberia	ACOP L IBERIA GRIS 150SABLE	526559
Coupler, Yoke for Iberia	ACOP L IBERIA R7022	527870
Coupler, Yoke for Iberia	ACOP L IBERIA R7035	528012
Coupler, Yoke for Iberia	ACOP L IBERIA R5002	528016
Coupler, Yoke for Iberia	ACOP L IBERIA R3004	528027
Coupler, Yoke for Iberia	ACOP L IBERIA R5003	528039
Coupler, Yoke for Iberia	ACOP L IBERIA VERDE OXIDON	528043
Coupler, Yoke for Iberia	ACOP L IBERIA R6011	528049
Coupler, Yoke for Iberia	ACOP L IBERIA R9005	528051
Coupler, Yoke for Iberia	ACOP L IBERIA R5011	528058
Coupler, Yoke for Iberia	ACOP L IBERIA R6009	528206
Okapi LED with decorative arm		
Okapi LED	OKAPI LED/CG/N/20/40/C1/NA60	525974
Okapi LED	OKAPI LED/CG/N/20/40/C2/NA60	525975
Okapi LED	OKAPI LED/CG/N/20/57/C1/NA60	526036
Okapi LED	OKAPI LED/CG/N/20/57/C2/NA60	526037
Okapi LED	OKAPI LED/CG/N/30/40/C1/NA60	526038
Okapi LED	OKAPI LED/CG/N/30/40/C2/NA60	526039
Okapi LED	OKAPI LED/CG/N/30/57/C1/NA60	526040
Okapi LED	OKAPI LED/CG/N/30/57/C2/NA60	526041
Okapi LED	OKAPI LED/CG/N/44/40/C1/NA60	526042
Okapi LED	OKAPI LED/CG/N/44/40/C2/NA60	526043
Okapi LED	OKAPI LED/CG/N/44/57/C1/NA60	526044
Okapi LED	OKAPI LED/CG/N/44/57/C2/NA60	526045
Okapi LED	OKAPI LED/CG/V/20/40/C1/NA60	526046
Okapi LED	OKAPI LED/CG/V/20/40/C2/NA60	526047
Okapi LED	OKAPI LED/CG/V/20/57/C1/NA60	526048
Okapi LED	OKAPI LED/CG/V/20/57/C2/NA60	526049
Okapi LED	OKAPI LED/CG/V/30/40/C1/NA60	526050
Okapi LED	OKAPI LED/CG/V/30/40/C2/NA60	526051

Index

Product Family	Product Description	SKU
Okapi LED	OKAPI LED/CG/V/30/57/C1/NA60	526052
Okapi LED	OKAPI LED/CG/V/30/57/C2/NA60	526053
Okapi LED	OKAPI LED/CG/V/44/40/C1/NA60	526054
Okapi LED	OKAPI LED/CG/V/44/40/C2/NA60	526055
Okapi LED	OKAPI LED/CG/V/44/57/C1/NA60	526056
Okapi LED	OKAPI LED/CG/V/44/57/C2/NA60	526057
Okapi LED	OKAPI LED/CG/B/20/40/C1/NA60	526058
Okapi LED	OKAPI LED/CG/B/20/40/C2/NA60	526059
Okapi LED	OKAPI LED/CG/B/20/57/C1/NA60	526060
Okapi LED	OKAPI LED/CG/B/20/57/C2/NA60	526061
Okapi LED	OKAPI LED/CG/B/30/40/C1/NA60	526062
Okapi LED	OKAPI LED/CG/B/30/40/C2/NA60	526063
Okapi LED	OKAPI LED/CG/B/30/57/C1/NA60	526064
Okapi LED	OKAPI LED/CG/B/30/57/C2/NA60	526065
Okapi LED	OKAPI LED/CG/B/44/40/C1/NA60	526066
Okapi LED	OKAPI LED/CG/B/44/40/C2/NA60	526067
Okapi LED	OKAPI LED/CG/B/44/57/C1/NA60	526068
Okapi LED	OKAPI LED/CG/B/44/57/C2/NA60	526069
Okapi LED	OKAPI LED/CG/C/20/40/C1/NA60	526070
Okapi LED	OKAPI LED/CG/C/20/40/C2/NA60	526071
Okapi LED	OKAPI LED/CG/C/20/57/C1/NA60	526072
Okapi LED	OKAPI LED/CG/C/20/57/C2/NA60	526073
Okapi LED	OKAPI LED/CG/C/30/40/C1/NA60	526074
Okapi LED	OKAPI LED/CG/C/30/40/C2/NA60	526075
Okapi LED	OKAPI LED/CG/C/30/57/C1/NA60	526076
Okapi LED	OKAPI LED/CG/C/30/57/C2/NA60	526077
Okapi LED	OKAPI LED/CG/C/44/40/C1/NA60	526078
Okapi LED	OKAPI LED/CG/C/44/40/C2/NA60	526079
Okapi LED	OKAPI LED/CG/C/44/57/C1/NA60	526080
Okapi LED	OKAPI LED/CG/C/44/57/C2/NA60	526081
Okapi LED	OKAPI LED/CG/E/20/40/C1/NA60	526082
Okapi LED	OKAPI LED/CG/E/20/40/C2/NA60	526083
Okapi LED	OKAPI LED/CG/E/20/57/C1/NA60	526084
Okapi LED	OKAPI LED/CG/E/20/57/C2/NA60	526085
Okapi LED	OKAPI LED/CG/E/30/40/C1/NA60	526086
Okapi LED	OKAPI LED/CG/E/30/40/C2/NA60	526087
Okapi LED	OKAPI LED/CG/E/30/57/C1/NA60	526088
Okapi LED	OKAPI LED/CG/E/30/57/C2/NA60	526089
Okapi LED	OKAPI LED/CG/E/44/40/C1/NA60	526090
Okapi LED	OKAPI LED/CG/E/44/40/C2/NA60	526091
Okapi LED	OKAPI LED/CG/E/44/57/C1/NA60	526092
Okapi LED	OKAPI LED/CG/E/44/57/C2/NA60	526093
Okapi LED	OKAPI LED/FG/N/20/40/C1/NA60	526094
Okapi LED	OKAPI LED/FG/N/20/40/C2/NA60	526095
Okapi LED	OKAPI LED/FG/N/20/57/C1/NA60	526096
Okapi LED	OKAPI LED/FG/N/20/57/C2/NA60	526097
Okapi LED	OKAPI LED/FG/N/30/40/C1/NA60	526098
Okapi LED	OKAPI LED/FG/N/30/40/C2/NA60	526099
Okapi LED	OKAPI LED/FG/N/30/57/C1/NA60	526100
Okapi LED	OKAPI LED/FG/N/30/57/C2/NA60	526101
Okapi LED	OKAPI LED/FG/N/44/40/C1/NA60	526102
Okapi LED	OKAPI LED/FG/N/44/40/C2/NA60	526103

Product Family	Product Description	SKU
Okapi LED	OKAPI LED/FG/N/44/57/C1/NA60	526104
Okapi LED	OKAPI LED/FG/N/44/57/C2/NA60	526105
Okapi LED	OKAPI LED/FG/V/20/40/C1/NA60	526106
Okapi LED	OKAPI LED/FG/V/20/40/C2/NA60	526107
Okapi LED	OKAPI LED/FG/V/20/57/C1/NA60	526108
Okapi LED	OKAPI LED/FG/V/20/57/C2/NA60	526109
Okapi LED	OKAPI LED/FG/V/30/40/C1/NA60	526110
Okapi LED	OKAPI LED/FG/V/30/40/C2/NA60	526111
Okapi LED	OKAPI LED/FG/V/30/57/C1/NA60	526112
Okapi LED	OKAPI LED/FG/V/30/57/C2/NA60	526113
Okapi LED	OKAPI LED/FG/V/44/40/C1/NA60	526114
Okapi LED	OKAPI LED/FG/V/44/40/C2/NA60	526115
Okapi LED	OKAPI LED/FG/V/44/57/C1/NA60	526116
Okapi LED	OKAPI LED/FG/V/44/57/C2/NA60	526117
Okapi LED	OKAPI LED/FG/B/20/40/C1/NA60	526118
Okapi LED	OKAPI LED/FG/B/20/40/C2/NA60	526119
Okapi LED	OKAPI LED/FG/B/20/57/C1/NA60	526120
Okapi LED	OKAPI LED/FG/B/20/57/C2/NA60	526121
Okapi LED	OKAPI LED/FG/B/30/40/C1/NA60	526122
Okapi LED	OKAPI LED/FG/B/30/40/C2/NA60	526123
Okapi LED	OKAPI LED/FG/B/30/57/C1/NA60	526124
Okapi LED	OKAPI LED/FG/B/30/57/C2/NA60	526125
Okapi LED	OKAPI LED/FG/B/44/40/C1/NA60	526126
Okapi LED	OKAPI LED/FG/B/44/40/C2/NA60	526127
Okapi LED	OKAPI LED/FG/B/44/57/C1/NA60	526128
Okapi LED	OKAPI LED/FG/B/44/57/C2/NA60	526129
Okapi LED	OKAPI LED/FG/C/20/40/C1/NA60	526130
Okapi LED	OKAPI LED/FG/C/20/40/C2/NA60	526131
Okapi LED	OKAPI LED/FG/C/20/57/C1/NA60	526132
Okapi LED	OKAPI LED/FG/C/20/57/C2/NA60	526133
Okapi LED	OKAPI LED/FG/C/30/40/C1/NA60	526134
Okapi LED	OKAPI LED/FG/C/30/40/C2/NA60	526135
Okapi LED	OKAPI LED/FG/C/30/57/C1/NA60	526136
Okapi LED	OKAPI LED/FG/C/30/57/C2/NA60	526137
Okapi LED	OKAPI LED/FG/C/44/40/C1/NA60	526138
Okapi LED	OKAPI LED/FG/C/44/40/C2/NA60	526139
Okapi LED	OKAPI LED/FG/C/44/57/C1/NA60	526140
Okapi LED	OKAPI LED/FG/C/44/57/C2/NA60	526141
Okapi LED	OKAPI LED/FG/E/20/40/C1/NA60	526142
Okapi LED	OKAPI LED/FG/E/20/40/C2/NA60	526143
Okapi LED	OKAPI LED/FG/E/20/57/C1/NA60	526144
Okapi LED	OKAPI LED/FG/E/20/57/C2/NA60	526145
Okapi LED	OKAPI LED/FG/E/30/40/C1/NA60	526146
Okapi LED	OKAPI LED/FG/E/30/40/C2/NA60	526147
Okapi LED	OKAPI LED/FG/E/30/57/C1/NA60	526148
Okapi LED	OKAPI LED/FG/E/30/57/C2/NA60	526149
Okapi LED	OKAPI LED/FG/E/44/40/C1/NA60	526150
Okapi LED	OKAPI LED/FG/E/44/40/C2/NA60	526151
Okapi LED	OKAPI LED/FG/E/44/57/C1/NA60	526152
Okapi LED	OKAPI LED/FG/E/44/57/C2/NA60	526153
Okapi LED		

Index

Product Family	Product Description	SKU
Duna HID		
Duna HID	DUNA HID/AD HPS100 C2 GRIS 150 SABLE	97389
DUNA HID	DUNA HID/AD HPS100	519861
DUNA HID	DUNA HID/AD HPS150	519862
DUNA HID	DUNA HID/SD HPS70	519864
DUNA HID	DUNA HID/SD HPS100	519865
DUNA HID	Duna HIDIUM/SD HPS150	519866
DUNA HID	DUNA HID/SD MH150 E40	519867
DUNA HID	DUNA HIDIUM/AD HPS100 C2 R8016	525978
DUNA HID	DUNA HIDIUM/AD HPS70	525979
DUNA HID	DUNA HIDIUM/AD MH150	526545
DUNA HID	DUNA HID/AD MH150 E40	526573
DUNA HID	DUNA HIDIUM/AD/VT HPS70	526678
DUNA HID	DUNA HIDIUM/AD/VC S/E E40 R9011	526772
DUNA HID	DUNA HIDIUM/AD/VC S/E E40	526777
DUNA HID	DUNA HID/SD S/E E27	527741
DUNA HID	DUNA HID/AD S/E E27	527742
DUNA HID	DUNA HID/AD HPS150 RC	527743
DUNA HID	DUNA HID/AD MH70	527744
DUNA HID	DUNA HID/AD MH150 E40 GRIS OSCURO OXIDON	527745
DUNA HID	DUNA HIDIUM/AD/VT S/E E40 R9011	527893
DUNA HID	DUNA HID/AD/VT HPS70 CAN	527906
DUNA HID	DUNA HID/AD HPS150 NEGRO FORJA	527907
DUNA HID	DUNA HID/AD/VC HPS150 RD	527908
DUNA HID	DUNA HID/AD HPS100 R9011	527909
DUNA HID	DUNA HID/AD/VC HPS70	527910
DUNA HID	DUNA HID/AD MH100 E40 GRIS 150 SABLE	527911
DUNA HID	DUNA HID/AD MH150 E40 NOIR 200 SABLE	527912
DUNA HID	DUNA HID/AD MH150 E40 R9006	527913
DUNA HID	DUNA HID/AD MH100 E40 R9006	527914
DUNA HID	DUNA HID/AD MH100 E40	527915
DUNA HID	DUNA HID/SD MH150 E40 RC ETI R9011	527916
DUNA HID	DUNA HID/SD MH150 E40 EB RCSLM EXT	527917
DUNA HID	DUNA HID/SD MH100 E40 EB RCSLM EXT	527918
DUNA HID	DUNA HID/SD MH150 E40 RC ETI	527919
DUNA HID	DUNA HID/SD MH150 E40 RCA ETI	527920
DUNA HID	DUNA HID/SD MH150 E40 R9011	527921
DUNA HID	DUNA HID/SD HPS100 RC C2	527922
DUNA HID	DUNA HID/SD MH150 E40 EB R9011	527923
DUNA HID	DUNA HID/SD MH100 E40 RCA ETI R9011	527924
DUNA HID	DUNA HID/SD MH100 E40 RCSLM ETI	527925
DUNA HID	DUNA HID/AD MH100 E40 R9005	527926
DUNA HID	DUNA HID/AD MH150 240V E40 R9004	527927
DUNA HID	DUNA HID/SD MH100 E40 RC ETI R7024	527928
DUNA HID	DUNA HID/AD MH100 E40 RC ETI R7024	527929
DUNA HID	DUNA HID/AD MH100 E40 EB	527930
DUNA HID	DUNA HID/AD HPS100 C2	527931
DUNA HID	DUNA HID/AD MH70 C2	527932
DUNA HID	DUNA HID/SD HPS100 RC	527933
DUNA HID	DUNA HID/AD HPS70 RC	527934
DUNA HID	DUNA HID/AD/VC HPS100 RD	527935
DUNA HID	DUNA HID/AD HPS100 C2 GRIS 900 SABLE	527936
DUNA HID	DUNA HID/AD/VT HPS50	527937
DUNA HID	DUNA HID/SD S/E E40 R9010	527938
DUNA HID	DUNA HID/AD HPS150 C2 GRIS 900 SABLE	527939
DUNA HID	DUNA HID/AD/VC MH70 GRIS 150 SABLE	527940
Coupler, Post top for Duna, 76mm	ACOP SP7 DUNA R9011	525453
Iberia HID		
Iberia HID	IBERIA HID VT MH150E40GRIS 150 SAB	99834
IBERIA HID	IBERIA/E/VT/L HPS100	99835
IBERIA HID	IBERIA SW HIDIUM VT MH100 E40 R7016	99881
IBERIA HID	IBERIA SW HIDIUM VT MH50 R7016	99882
IBERIA HID	IBERIA HID EM HPS70 C2 GRIS OXIDON	99903
IBERIA HID	IBERIA HID VT HPS150 GRIS 150 SABLE	99904
IBERIA HID	IBERIA HIDIUM VT HPS100 GRIS 150 SABLE	519823
IBERIA HID	IBERIA HID VT HPS250 GRIS 150 SABLE	519825
IBERIA HID	IBERIA HID VC HPS70 GRIS 150 SABLE	519828
IBERIA HID	IBERIA HID VC HPS100 GRIS 150 SABLE	519829
IBERIA HID	IBERIA HID VC HPS250 GRIS 150 SABLE	519831
IBERIA HID	IBERIA HID VC MH150 E40GRIS150SABLE	519832
IBERIA HID	IBERIA HID VT HPS50 GRIS 150 SABLE	525025
IBERIA HID	IBERIA SW HIDIUM VT MH70	525026
IBERIA HID	IBERIA/E/VT/P1 MH150 E40	525551
IBERIA HID	IBERIA IS HID VC HPS250 R9007	526566
IBERIA HID	IBERIA IS HID VC HPS70 R9007	526567
IBERIA HID	IBERIA IS HID VC HPS100 R9007	526569
IBERIA HID	IBERIA HIDIUM VC MH150 E40 GRIS OXIDON	526653
IBERIA HID	IBERIA HIDIUM VT HPS70 GRIS OXIDON	526654
IBERIA HID	IBERIA SW HIDIUM VC MH150 E40 R9016	526662
IBERIA HID	IBERIA SW HIDIUM VC MH70 R9011	526663
IBERIA HID	IBERIA SW HIDIUM VT MH50 GRIS OXIDON	526664
IBERIA HID	IBERIA IS HIDIUM VT HPS70 GRIS OXIDON	526669
IBERIA HID	IBERIA IS HIDIUM VC HPS70 GRIS OXIDON	526670
IBERIA HID	IBERIA HIDIUM VT S/E E40 GRIS 150 SABLE	526776
IBERIA HID	IBERIA HIDIUM VTHPS70RCGRIS150 SABLE	526791
IBERIA HID	BERIA HIDIUM VTHPS100RCGRIS150SABLE	526792
IBERIA HID	IBERIA HIDIUM VTHPS100C2GRIS150SABLE	526793
IBERIA HID	IBERIA HID VT HPS150 C2 GRIs150sABLE	526794
IBERIA HID	IBERIA HID VC HPS150 C2 GRIs150sABLE	526795
IBERIA HID	IBERIA HIDVCMH150E40GRCLOxGROxGRCLOX	526796
IBERIA HID	IBERIA HIDIUM VT HPS150 GRIS OXIDON	526797
IBERIA HID	IBERIA HIDIUM VT HPS70 R9007	526798
IBERIA HID	IBERIA HIDIUM VT HPS100 R9007	526799
IBERIA HID	IBERIA HIDIUM VT HPS250 R9007	526800
IBERIA HID	IBERIA HIDIUM VT S/E E40 GRIS OXIDON	526801
IBERIA HID	IBERIA HIDIUM VT HPS250 R3011	526802
IBERIA HID	IBERIA HID VtHPS100RcR9006GR-OxGR-OX	526803
IBERIA HID	IBERIA HID VT HPS150 RcR9006GROxGROX	526804
IBERIA HID	IBERIA HIDIUM VT HPS150 R9007	526805
IBERIA HID	IBERIA HID VT HPS70 RC R9006GROxGROX	526806
IBERIA HID	IBERIA HIDIUM VC MH150 GRIS OXIDON	526807
IBERIA HID	IBERIA HID VC HPS150 RCSLmGRIsOXIDON	526808

Index

Product Family	Product Description	SKU
IBERIA HID	IBERIA HID SM HPM125 GRIS 150 SABLE	526843
IBERIA HID	IBERIA HID VT HPS100 C2 GRIS OXIDON	526855
IBERIA HID	IBERIA HID VT HPS150 C2 GRIS OXIDON	526856
IBERIA HID	IBERIA HID VT HPS70 R9006/GROX/GROX	526857
IBERIA HID	IBERIA HID VT HPS100 R9006/GROX/GROX	526858
IBERIA HID	IBERIA HIDIUM VC HPS100 GRIS OXIDON	526859
IBERIA HID	IBERIA HIDIUM VC HPS150 GRIS OXIDON	526860
IBERIA HID	IBERIA HID VC HPS100 R2003/GROX/GROX	526861
IBERIA HID	IBERIA HID VC HPS100 RC GRIS OXIDON	526862
IBERIA HID	IBERIA HID VC HPS150 RC GRIS OXIDON	526863
IBERIA HID	IBERIA HIDIUM VC HPS70 GRIS OXIDON	526864
IBERIA HID	IBERIA HIDIUM VT MH150 E40 R9007	526865
IBERIA HID	IBERIA HIDIUM EM HPS100 GRIS OXIDON	526866
IBERIA HID	IBERIA HIDIUM VT HPS50 RCZAR R7035	526867
IBERIA HID	IBERIA HIDIUM VT HPS150 R9006	526868
IBERIA HID	IBERIA HIDIUM VT MH150 E40 EB	526869
IBERIA HID	IBERIA HIDIUM VT HPS70 R9005	526870
IBERIA HID	IBERIA HIDIUM VC HPS100 R9010	526871
IBERIA HID	IBERIA HID VT HPS100 C2GRIS900SABLE	526872
IBERIA HID	IBERIA HIDIUM VT HPS150 R3004	526873
IBERIA HID	IBERIA HID VT HPS70 C2 GRIS 900SABLE	526874
IBERIA HID	IBERIA HIDIUM EC S/E E40	526875
IBERIA HID	IBERIA HIDIUM VC HPS150 R5003	526876
IBERIA HID	IBERIA HIDIUM VC HPS70 R5003	526877
IBERIA HID	IBERIA HIDIUM VT HPS100 R7039	526878
IBERIA HID	IBERIA HIDIUM VT HPS150 R7039	526879
IBERIA HID	IBERIA HIDIUM VT HPS250 GRIS OXIDON	526880
IBERIA HID	IBERIA IS HID VC HPS250 GRIS150SABLE	526881
IBERIA HID	IBERIA IS HIDIUM VC HPS250 R3011	526882
IBERIA HID	IBERIA IS HID VC HPS150 GRIS150SABLE	526883
IBERIA HID	IBERIA IS HID VC HPS70 GRIS 150SABLE	526884
IBERIA HID	IBERIA IS HIDIUM VC HPS150 R9010	526885
IBERIA HID	IBERIA IS HID VC MH150 E40GRIsOXIDON	526886
IBERIA HID	IBERIA IS HID EC HPS150 GRIs150SABLE	526887
IBERIA HID	IBERIA IS/E/VC/L HPS100	526888
IBERIA HID	IBERIA IS HIDIUM VC HPS70 R3003	526889
IBERIA HID	IBERIA IS HID VC HPS150 C2GRIsOXIDON	526890
IBERIA HID	IBERIA IS HIDIUM VT HPS70 C2 R9010	526891
IBERIA HID	IBERIA IS HID VC HPS100 GRIS OXIDON	526892
IBERIA HID	IBERIA IS HID VC HPS150 GRIS OXIDON	526893
IBERIA HID	IBERIA IS/S/VT HPS70	526894
IBERIA HID	IBERIA IS/S/VT HPS70 RC	526895
IBERIA HID	IBERIA IS HIDIUM VC MH150 E40 R9007	526896
IBERIA HID	IBERIA IS HIDIUM VC HPS150 R9007	526897
IBERIA HID	IBERIA IS HIDIUM VC HPS70 R9005	526898
IBERIA HID	IBERIA IS HIDIUM EC HPS150 R7035	526899
IBERIA HID	IBERIA IS HIDIUM VC HPS250 R2004	526900
IBERIA HID	IBERIA IS HIDIUM VC HPS150 R2004	526901
IBERIA HID	IBERIA IS HIDIUM EC HPS100 R7035	526902
IBERIA HID	IBERIA IS HIDIUM VC MH150 E40 RC ETI	526903
IBERIA HID	IBERIA IS HID VC MH250 (HPS) RC ETI	526904
IBERIA HID	IBERIA IS HIDIUM VC MH250 (HPS) ETI	526905

Product Family	Product Description	SKU
IBERIA HID	IBERIA IS HID VC MH150E40GRIs150SABL	526906
IBERIA HID	IBERIA IS HID VC MH250 (HPS) RCA ETI	526907
IBERIA HID	IBERIA IS HIDIUM VC MH150 E40 R5002	526908
IBERIA HID	IBERIA IS HIDIUM VC HPS70 R5010	526909
IBERIA HID	IBERIA IS HIDIUM VC HPS100 R5010	526910
IBERIA HID	IBERIA IS HIDIUM VT HPS150 R7035	526911
IBERIA HID	IBERIA IS HIDIUM VC S/E E27 C2 R9011	526912
IBERIA HID	IBERIA IS HIDIUM VC S/E E40 C2 R9011	526913
IBERIA HID	IBERIA IS HIDIUM VT HPS150 C2 R9010	526914
IBERIA HID	IBERIA IS HIDIUM VC HPS250 R5003	526915
IBERIA HID	IBERIA IS HIDIUM VC HPS70 R5003	526916
IBERIA HID	IBERIA IS/E/VC/L HPS70	526917
IBERIA HID	IBERIA IS HID VC MH150 E40RcETiR7024	526918
IBERIA HID	IBERIA IS HID VT HPS150 GRIS OXIDON	526919
IBERIA HID	IBERIA IS HID VT HPS250 GRIS OXIDON	526920
IBERIA HID	IBERIA IS HID VcMH250(HPS)GRIsOXIDON	526921
IBERIA HID	IBERIA IS/E/VC/L HPS150	526922
IBERIA HID	IBERIA IS HID VT HPS70RcGRIs150SABLE	526923
IBERIA HID	IBERIA IS HID VtHPS100RcGRIS150SABLE	526924
IBERIA HID	IBERIA IS/S/SC HPS70 RC R9011	526925
IBERIA HID	IBERIA HID VC HPS150 GRIS 150 SABLE	527730
IBERIA HID	IBERIA HIDIUM VT HPS150 C2 GRIS 900	99922
IBERIA HID	IBERIA SW/E/VC/P1 MH50 EB R3001	99923
IBERIA HID	IBERIA/S/SM HPS150 R9010	526647
IBERIA HID	IBERIA HIDIUM VT S/E E40 R9011	526771
IBERIA HID	IBERIA HIDIUM VT HPS100 R7016	99831
IBERIA HID	IBERIA IS HID VC HPS100 GRIS 150 SAB	99832
IBERIA HID	IBERIA HID VT HPS150 R7035R6029R6029	99833
IBERIA HID	IBERIA HID VT HPS70 GRIS 150 SAB	519822
IBERIA HID	IBERIA HIDIUM VT HPS100 GRIS OXIDON	525553
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA GRIS 150 SABLE	519834
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7024	524997
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9005	525464
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA GRIS OXIDON	525981
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7016	525999
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA GRIS 900 SABLE	526578
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9011	526648
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R5010	527859
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9007	527862
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R6001	527865
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7022	527869
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R5003	527903
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9010	528006
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7035	528007
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R6005	528010
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9006	528011
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA GRIS CLARO OXIDON	528013
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R5017	528014
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA ROJO BURDEOS 3005 OXIDON	528019
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7043	528021
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R6010	528024
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R3004	528026

Index

Product Family	Product Description	SKU
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R6009	528029
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA LED GELS35-433425-01	528046
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R5002	528050
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA NEGRO FORJA	528052
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R9022	528059
Coupler, Post top for Iberia, 60mm	ACOP SP6 IBERIA R7039	528209
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA GRIS OXIDON	525982
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA GRIS 150 SABLE	526022
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R9010	526652
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R9011	526773
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R7035	527856
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA VERT 300SABLE	527858
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R3004	528025
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R7038	528057
Coupler, Post top for Iberia, 76mm	ACOP SP7 IBERIA R6011	528208
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA GRIS 150SABLE	519835
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA GRIS OCXIDON	525980
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R9006	527863
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA GRIS CLARO OXIDON	527868
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R7035	527904
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R5017	528028
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R3004	528033
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R6009	528035
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R9005	528038
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R9007	528053
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R7024	528054
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R9011	528207
Coupler, Post top, Double for Iberia, 60mm	ACOP DP6 IBERIA R7039	528210
Coupler, Post top, Double for Iberia, 76mm	ACOP DP7 IBERIA GRIS 150SABLE	519838
Coupler, Post top, Double for Iberia, 76mm	ACOP DP7 IBERIA R9010	528041
Coupler, Post top, Double for Iberia, 76mm	ACOP DP7 IBERIA	528200
Coupler, Post top, Tripple for Iberia, 60mm	ACOP TP6 IBERIA GRIS 150SABLE	519836
Coupler, Post top, Tripple for Iberia, 60mm	ACOP TP6 IBERIA GRIS OXIDON	525983
Coupler, Post top, Tripple for Iberia, 60mm	ACOP TP6 IBERIA R7035	527905
Coupler, Post top, Tripple for Iberia, 60mm	ACOP TP6 IBERIA R3004	528032
Coupler, Post top, Tripple for Iberia, 60mm	ACOP TP6 IBERIA R9005	528037
Coupler, Post top, Tripple for Iberia, 76mm	ACOP TP7 IBERIA GRIS 150SABLE	519839
Coupler, Post top, Tripple for Iberia, 76mm	ACOP TP7 IBERIA GRIS OXIDON	525984
Coupler, side mounting for Iberia	ACOP AT IBERIA GRIS 900 SABLE	525030
Coupler, side mounting for Iberia	ACOP AT R250	525226
Coupler, side mounting for Iberia	ACOP AT IBERIA GRIS 150 SABLE	525998
Coupler, side mounting for Iberia	ACOP AT IBERIA R7016	526000
Coupler, side mounting for Iberia	ACOP AT IBERIA R9007	526568
Coupler, side mounting for Iberia	ACOP AT IBERIA R9011	526649
Coupler, side mounting for Iberia	ACOP AT IBERIA NEGRO FORJA	526650
Coupler, side mounting for Iberia	ACOP AT IBERIA R9016	526651
Coupler, side mounting for Iberia	ACOP AT IBERIA GRIS OXIDON	527529
Coupler, side mounting for Iberia	ACOP AT IBERIA R5003	527854
Coupler, side mounting for Iberia	ACOP AT IBERIA R1028	527857
Coupler, side mounting for Iberia	ACOP AT IBERIA R1013	527860
Coupler, side mounting for Iberia	ACOP AT IBERIA R3004	527861
Coupler, side mounting for Iberia	ACOP AT IBERIA R9006	527864

Product Family	Product Description	SKU
Coupler, side mounting for Iberia	ACOP AT IBERIA R7015	527866
Coupler, side mounting for Iberia	ACOP AT IBERIA R9005	527867
Coupler, side mounting for Iberia	ACOP AT IBERIA R3011	527902
Coupler, side mounting for Iberia	ACOP AT IBERIA R6001	528015
Coupler, side mounting for Iberia	ACOP AT IBERIA BRUN 650 SABLE	528017
Coupler, side mounting for Iberia	ACOP AT IBERIA R1034	528018
Coupler, side mounting for Iberia	ACOP AT IBERIA R5015	528022
Coupler, side mounting for Iberia	ACOP AT IBERIA R5002	528023
Coupler, side mounting for Iberia	ACOP AT IBERIA R6009	528030
Coupler, side mounting for Iberia	ACOP AT IBERIA R7039	528031
Coupler, side mounting for Iberia	ACOP AT IBERIA VERDE OXIDON	528034
Coupler, side mounting for Iberia	ACOP AT IBERIA R3005	528040
Coupler, side mounting for Iberia	ACOP AT IBERIA R6011	528042
Coupler, side mounting for Iberia	ACOP AT IBERIA R3003	528045
Coupler, side mounting for Iberia	ACOP AT IBERIA R2004	528048
Coupler, side mounting for Iberia	ACOP AT IBERIA R7024	528055
Coupler, side mounting for Iberia	ACOP AT IBERIA R6029	528056
Coupler, side mounting for Iberia	ACOP AT IBERIA GELS	528061
Coupler, side mounting for Iberia	ACOP AT IBERIA R9010	528198
Coupler, side mounting for Iberia	ACOP AT IBERIA R7035	528199
Coupler, side mounting for Iberia	ACOP AT42 IBERIA	528201
Coupler, side mounting for Iberia	ACOP AT34 IBERIA R9010	528202
Coupler, side mounting for Iberia	ACOP AT42 IBERIA GRIS 150 SABLE	528203
Coupler, side mounting for Iberia	ACOP AT42 IBERIA R7035	528204
Coupler, Wall Mount for Iberia	ACOP WM IBERIA GRIS 150 SABLE	519841
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R7026	524796
Coupler, Wall Mount for Iberia	ACOP WM IBERIA GRIS OXIDON	525985
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R9011	526774
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R5003	528008
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R7035	528009
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R1013	528036
Coupler, Wall Mount for Iberia	ACOP WM IBERIA R5010	528044
Coupler, Yoke for Iberia	ACOP L IBERIA GRIS OXIDON	525708
Coupler, Yoke for Iberia	ACOP L IBERIA GRIS 150SABLE	526559
Coupler, Yoke for Iberia	ACOP L IBERIA R7022	527870
Coupler, Yoke for Iberia	ACOP L IBERIA R7035	528012
Coupler, Yoke for Iberia	ACOP L IBERIA R5002	528016
Coupler, Yoke for Iberia	ACOP L IBERIA R3004	528027
Coupler, Yoke for Iberia	ACOP L IBERIA R5003	528039
Coupler, Yoke for Iberia	ACOP L IBERIA VERDE OXIDON	528043
Coupler, Yoke for Iberia	ACOP L IBERIA R6011	528049
Coupler, Yoke for Iberia	ACOP L IBERIA R9005	528051
Coupler, Yoke for Iberia	ACOP L IBERIA R5011	528058
Coupler, Yoke for Iberia	ACOP L IBERIA R6009	528206

Okapi HID

Okapi HID	OKAPI/VT HPS70	99837
Okapi HID	OKAPI/VT HPS100 C2 R9010	99838
Okapi HID	OKAPI/VT HPS70 RCSLM ETI	99839
Okapi HID	OKAPI/SW/VC MH70	99840
Okapi HID	OKAPI/VT HPS50	99906
Okapi HID	OKAPI/SW/VT MH50	524784

Index

Product Family	Product Description	SKU
Okapi HID	OKAPI/SW/VT MH70 C2	524809
Okapi HID	OKAPI/SW/VT MH70 C2 GRIS 900 SABLE	526548
Okapi HID	OKAPI/VT HPS70 GRIS OXIDON	526572
Okapi HID	OKAPI/VT HPS100	526579
Okapi HID	OKAPI/VC HPS50	526580
Okapi HID	OKAPI/VC HPS70	526581
Okapi HID	OKAPI/SW/VC MH50	526582
Okapi HID	OKAPI/SW/VT MH70	526583
Okapi HID	OKAPI/SW/VC MH100 E40	526584
Okapi HID	OKAPI/VT HPS70 C2	526585
Okapi HID	OKAPI/VT HPS100 C2	526586
Okapi HID	OKAPI/SW/VT MH100 C2 E40	526587
Okapi HID	OKAPI/VT HPS70 RC	526588
Okapi HID	OKAPI/VT HPS100 RC	526589
Okapi HID	OKAPI/VC HPS70 RCSLM	526590
Okapi HID	OKAPI/VT HPS100 RCSLM	526591
Okapi HID	OKAPI/VT HPS70 EB	526592
Okapi HID	OKAPI/VT HPS100 EB	526593
Okapi HID	OKAPI/SW/VT MH70 EB	526594
Okapi HID	OKAPI/SW/VC MH70 EB	526595
Okapi HID	OKAPI/VT HPS100 RCA EB	526596
Okapi HID	OKAPI/VT HPS70 RCSLM EB	526597
Okapi HID	OKAPI/VC HPS70 RCSLM EB	526598
Okapi HID	OKAPI/SW/VT MH70 RCSLM EB	526599
Okapi HID	OKAPI/SW/VC MH70 RCSLM EB	526600
Okapi HID	OKAPI/VC HPS100 IP66	526601
Okapi HID	OKAPI/SW/VT MH50 IP66	526602
Okapi HID	OKAPI/VT HPS100 C2 IP66	526603
Okapi HID	OKAPI/VT HPS100 RC IP66	526604
Okapi HID	OKAPI/VT HPS100 EB IP66	526605
Okapi HID	OKAPI/SW/VC MH70 R9011	526606
Okapi HID	OKAPI/SW/VC MH70 R8022	526607
Okapi HID	OKAPI/SW/VC MH70 R6005	526608
Okapi HID	OKAPI/SW/VT MH70 RCSLM ETI	526609
Okapi HID	OKAPI/SW/VC MH100 E40 GRIS OXIDON	526610
Okapi HID	OKAPI/SW/VC MH70 R7015	526611
Okapi HID	OKAPI/SW/VC MH70 GRIS OXIDON	526612
Okapi HID	OKAPI/SW/VC MH70 RCSLM ETI R8022	526613
Okapi HID	OKAPI/SW/VC MH100 RCSLM	526614
Okapi HID	OKAPI/SW/VC MH70 R7022	526615
Okapi HID	OKAPI/VT HPS70 R9011	526616
Okapi HID	OKAPI/VC HPS100 GRIS 900 SABLE	526617
Okapi HID	OKAPI/VT HPS70 C2 GRIS 900 SABLE	526619
Okapi HID	OKAPI/SW/VC MH70 RCSLM ETI	526620
Okapi HID	OKAPI/SW/VC MH70 RC ETI	526621
Okapi HID	OKAPI/SW/VC MH50 R9011	526622
Okapi HID	OKAPI/VT HPS100 C2 R3004	526623
Okapi HID	OKAPI/VC S/E E40	526624
Okapi HID	OKAPI/VT HPS100 C2 GRIS 900 SABLE	526625
Okapi HID	OKAPI/SW/VC MH50 NEGRO FORJA	526626
Okapi HID	OKAPI/VT HPS50 R9005	526627
Okapi HID	OKAPI/SW/VC MH50 C2	526628

Product Family	Product Description	SKU
Syra		
SYRA	SYRA-150/EC S/E E27 R9016	60942
SYRA	SYRA-150/SC MH70	78138
SYRA	SYRA-150/SC MH100	88004
SYRA	SYRA-150/SC HPS70	519842
SYRA	SYRA-150/SC HPS100	519843
SYRA	SYRA-150/SC HPS150	519844
SYRA	SYRA-150/SC MH150 E40	519845
SYRA	SYRA-150/VT HPS70	519850
SYRA	SYRA-150/VT HPS100	519851
SYRA	SYRA-150/VT HPS150	519852
SYRA	SYRA-150/VT MH150 E40	519853
SYRA	SYRA-250/SC HPS250	519856
SYRA	SYRA-250/SC MH250 (HPS)	519857
SYRA	SYRA-250/VT HPS250	519858
SYRA	SYRA-250/VT MH250 (HPS)	519859
SYRA	SYRA-250/EC S/E E40	526645
SYRA	SYRA-250/SC S/E E40	526780
SYRA	SYRA-150/VT HPS70 RC	527322
SYRA	SYRA-150/SM HPS150	527323
SYRA	SYRA-150/SC MH150 E40	527324
SYRA	SYRA-150/SM HPS70	527325
SYRA	SYRA-150/SM HPS100	527326
SYRA	SYRA-150/SM MH70	527327
SYRA	SYRA-150/SM MH100	527328
SYRA	SYRA-150/VT HPS50	527332
SYRA	SYRA-150/VT MH100	527334
SYRA	SYRA-150/VC MH150 E40	527337
SYRA	SYRA-150/EM HPS100	527338
SYRA	SYRA-150/VC HPS100	527341
SYRA	SYRA-150/VC HPS150	527342
SYRA	SYRA-150/EM MH150 E40	527343
SYRA	SYRA-150/EM S/E E40	527344
SYRA	SYRA-150/EC S/E E27	527345
SYRA	SYRA-150/VC HPS70	527346
SYRA	SYRA-150/SC S/E E27	527347
SYRA	SYRA-150/VC HPS250	527348
SYRA	SYRA-150/SC HPS150 RC	527349
SYRA	SYRA-150/SM MH150 E40	527351
SYRA	SYRA-150/VC HPS100 RC	527355
SYRA	SYRA-150/SC S/E E40	527357
SYRA	SYRA-150/SM S/E E40	527358
SYRA	SYRA-150/EC S/E E40	527361
SYRA	SYRA-150/VT S/E E40	527364
SYRA	SYRA-150/VC HPS150 C2	527367
SYRA	SYRA-150/VC HPS100 C2	527368
SYRA	SYRA-150/VC MH100 E40	527370
SYRA	SYRA-150/EC S/E E40 C2	527377
SYRA	SYRA-150/SM S/E E27	527379
SYRA	SYRA-150/VC MH70	527380
SYRA	SYRA-150/EM MH70	527383

Index

Product Family	Product Description	SKU
SYRA	SYRA-250/SM HPS150	527384
SYRA	SYRA-250/SM HPS250	527385
SYRA	SYRA-250/VT HPS150	527387
SYRA	SYRA-250/VC HPS250	527391
SYRA	SYRA-250/SC HPS150	527392
SYRA	SYRA-250/SC HPS250 C2	527393
SYRA	SYRA-250/VC MH250 (HPS)	527395
SYRA	SYRA-250/VC MH150 E40	527396
SYRA	SYRA-250/SM S/E E40	527397
SYRA	SYRA-250/DC S/E E40	527398
SYRA	SYRA-250/SC S/E E40 R9016	527404
SYRA		
Supra		
Supra	BASE D/N-SUPRA HPS100	519719
SUPRA	BASE D/N-SUPRA HPS150	519720
SUPRA	BASE D/N-SUPRA HPS70	525977
SUPRA	C/O SUPRA-550/AR	526529
SUPRA	C/O SUPRA-550/AR/T	527889
SUPRA	C/O SUPRA-550/AR/RP	527890
SUPRA	BASE D/N-SUPRA S/E E40	Being Listed
DS & SCM		
DS-400	DS-400/CAM HPS150	519881
DS-400	DS-400/CAM HPS250	519882
DS-400	DS-400/CAM HPS400	519883
DS-400	DS-400/CAM HPS600	519884
DS-400	DS-400/CAM MH250 (HPS)	519885
DS-400	DS-400/CAM/AT HPS150	519887
DS-400	DS-400/CAM/AT HPS250	519888
DS-400	DS-400/CAM/SB HPS150	519893
DS-400	DS-400/CAM/SB HPS250	519894
DS-400	DS-400/CAM/SB HPS600	519896
DS-400	DS-400/CAM/SB MH250 (HPS)	519897
DS-400	DS-400/CAM/SB MH400 (HPS)	519898
DS-400	DS-400/CAM/SB MH150	526770
DS-400	DS-400/CAM S/E E40	527718
DS-400	DS-400/CAM HPS150 RC	527719
DS-400	DS-400/CAM HPS250 RC	527720
DS-400	DS-400/CAM HPS400 RC	527721
DS-400	DS-400/CAM/SB HPS250 RC	527722
DS-400	DS-400/CAM/AT MH400 (HPM) R7035	527723
DS-400	DS-400/CAM/SB HPS250 R9006	527724
DS-400	DS-400/CAM HPS400 C2	527725
DS-400	DS-400/CAM/SB HPS150 RC	527746
DS-400	DS-400/CAM/SB HPS150 C2 R9006	527747
DS-400	DS-400/CAM/SB HPS400 R9006	527748
DS-400	DS-400/FGA/CBM HPS400	527749
DS-400	DS-400/FGA/CBM/SB HPS150	527750
DS-400	DS-400/CAM/SB HPS150 R9006	527751
DS-400	DS-400/FGA/CBM/SB HPS400 C2 R9006	527752
DS-400	DS-400/CAM/SB HPS150 NEGRO FORJA	527753

Product Family	Product Description	SKU
DS-400	DS-400/CAM/SB HPS250 NEGRO FORJA	527754
DS-400	DS-400/CAM/SB MH150 E40 R9006	527755
DS-400	DS-400/CAM HPS150 R9006	527756
DS-400	DS-400/CAM HPS100	527757
DS-400	DS-400/CAM HPS250 RC DB	527758
DS-400	DS-400/FGA/CBM MH400 (HPS)	527759
DS-400	DS-400/CAM/AT HPS250 RC R8014	527760
DS-400	DS-400/CAM/SB HPS150 ZAR R9006	527761
DS-400	DS-400/CAM/SB HPS150 RCZAR R9006	527762
DS-400	DS-400/CAM MH400 (HPS) R9010	527763
DS-400	DS-400/CAM/SB S/E E40 R9006	527764
DS-400	DS-400/CAM MH250 (HPS) R9010	527765
DS-400	SCM3-175/B HPS100 R9007	526765
Coupler, Post Top for DS-400, 60mm	ACOP SP6 DS-400	527833
Coupler, Post Top for DS-400, 60mm	ACOP SP6 DS-400 R9006	527842
Coupler, Post Top for DS-400, 60mm	ACOP SP6 DS-400 NEGRO FORJA	527848
Coupler, Post top, Double for DS-400, 60mm	ACOP DP6 DS-400	527834
Coupler, Post top, Double for DS-400, 60mm	ACOP DP6 DS-400 R9006	528197
Coupler, side mounting for DS-400	ACOP AT DS-400	527840
Coupler, side mounting for DS-400	ACOP AT DS-400 R9006	527847
Coupler, Wall Mount for DS-400	ACOP WM DS-400 WMPBL-DS	Being Listed
SCM3-175		
SCM3-175	SCM3-175/B HPS100 R9007	526765
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175	527835
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175 R7035	527836
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175 R9010	527837
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175 R8007	527839
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175 R9006	527841
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175 R5017	527843
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175 R7043	527845
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175 R7046	527850
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175 R7015	527852
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175 R6009	527853
Coupler, Post top for SCM3-175 60mm	ACOP SP6 SCM3-175 GRIS OXIDON	528196
Coupler, Post top, Double for SCM3-175, 60mm	ACOP DP6 SCM3-175	528193
Coupler, Post top, Double for SCM3-175, 60mm	ACOP DP6 SCM3-175 R9006	528194
Coupler, Wall Mount for SCM3-175	ACOP WM SCM3-175	527838
Coupler, Wall Mount for SCM3-175	ACOP WM SCM3-175 R7035	527846
Coupler, Wall Mount for SCM3-175	ACOP WM SCM3-175 R7046	527849
Coupler, Wall Mount for SCM3-175	ACOP WM SCM3-175 R9010	527851
Coupler, Wall Mount for SCM3-175	ACOP WM SCM3-175 R9007	528195
Hispalis		
HISPALIS	HISPALIS/TR MH150 E40	519821
HISPALIS	HISPALIS/TR HPS100	526543
HISPALIS	HISPALIS/TR HPS150	526544

Index

Area

Product Family	Product Description	SKU
LED Area Lighter		
LED Area Lighter	ALE SINGLE/ASYW4/88/57/AT	525001
LED Area Lighter	ALE SINGLE/ASYW4/88/40/AT R9007	99829
LED Area Lighter	ALE SINGLE/ASYW4/50/40/AT	99825
LED Area Lighter	ALE SINGLE/ASYW4/100/57/AT	525002
LED Area Lighter	ALE SINGLE/ASYF3/88/57/AT	99905
LED Area Lighter	ALE SINGLE/ASYF3/50/40/AT	525960
LED Area Lighter	ALE SINGLE/ASYF3/100/57/AT	524839
LED Area Lighter	ALE SINGLE ASYW4/88/40 AT	525013
LED Area Lighter	ALE SINGLE ASYW4/75/57 AT	525000
LED Area Lighter	ALE SINGLE ASYW4/75/40 AT	525012
LED Area Lighter	ALE SINGLE ASYW4/63/57 AT	524999
LED Area Lighter	ALE SINGLE ASYW4/63/40 AT	525011
LED Area Lighter	ALE SINGLE ASYW4/50/57 AT	524998
LED Area Lighter	ALE SINGLE ASYW4/100/57 AT R9016	99674
LED Area Lighter	ALE SINGLE ASYW4/100/40/AT/R9003 M	527785
LED Area Lighter	ALE SINGLE ASYW4/100/40 AT	525014
LED Area Lighter	ALE SINGLE ASYF3/88/40 AT	524855
LED Area Lighter	ALE SINGLE ASYF3/75/57 AT	524837
LED Area Lighter	ALE SINGLE ASYF3/75/40/AT	524854
LED Area Lighter	ALE SINGLE ASYF3/63/57 AT R9006	527800
LED Area Lighter	ALE SINGLE ASYF3/63/57 AT	526666
LED Area Lighter	ALE SINGLE ASYF3/63/40 AT	524853
LED Area Lighter	ALE SINGLE ASYF3/50/57 AT	526665
LED Area Lighter	ALE SINGLE ASYF3/50/40 AT R9007	527798
LED Area Lighter	ALE SINGLE ASYF3/100/40 AT R9010	527796
LED Area Lighter	ALE SINGLE ASYF3/100/40 AT	524856
LED Area Lighter	ALE DOUBLE/SYMM5/200/57/AT RAL9016	99673
LED Area Lighter	ALE DOUBLE/ASYW4/200/40/AT	525021
LED Area Lighter	ALE DOUBLE/ASYW4/176/40/AT	525019
LED Area Lighter	ALE DOUBLE/ASYW4/162/57/AT	525006
LED Area Lighter	ALE DOUBLE/ASYW4/150/40/AT	525017
LED Area Lighter	ALE DOUBLE/ASYW4/138/57/AT RAL9016	99671
LED Area Lighter	ALE DOUBLE/ASYW4/126/40/AT	525015
LED Area Lighter	ALE DOUBLE/ASYF3/200/40/AT	526575
LED Area Lighter	ALE DOUBLE/ASYF3/176/57/AT	524844
LED Area Lighter	ALE DOUBLE/ASYF3/176/40/AT	524861
LED Area Lighter	ALE DOUBLE/ASYF3/162/57/AT	524843
LED Area Lighter	ALE DOUBLE/ASYF3/162/40/AT	524860
LED Area Lighter	ALE DOUBLE/ASYF3/126/40/AT	526574
LED Area Lighter	ALE DOUBLE/ASFY3/138/57/AT RAL9016	99669
LED Area Lighter	ALE DOUBLE SYMS5/200/57 AT	527794
LED Area Lighter	ALE DOUBLE SYMS5/200/40 AT	527795
LED Area Lighter	ALE DOUBLE SYMS5/176/57 AT	527792
LED Area Lighter	ALE DOUBLE SYMS5/176/40 AT	527793
LED Area Lighter	ALE DOUBLE SYMS5/150/57 AT	527790
LED Area Lighter	ALE DOUBLE SYMS5/150/40 AT	527791
LED Area Lighter	ALE DOUBLE SYMS5/126/57 AT	527788
LED Area Lighter	ALE DOUBLE SYMS5/126/40 AT	527789

Product Family	Product Description	SKU
LED Area Lighter	ALE DOUBLE SYMS5/100/57 AT	527786
LED Area Lighter	ALE DOUBLE SYMS5/100/40 AT	527787
LED Area Lighter	ALE DOUBLE SYMM5/200/57 AT	524851
LED Area Lighter	ALE DOUBLE SYMM5/200/40 AT	524868
LED Area Lighter	ALE DOUBLE SYMM5/176/57 AT	524850
LED Area Lighter	ALE DOUBLE SYMM5/176/40 AT	524867
LED Area Lighter	ALE DOUBLE SYMM5/150/57 AT	524849
LED Area Lighter	ALE DOUBLE SYMM5/150/40 AT	524866
LED Area Lighter	ALE DOUBLE SYMM5/126/57 AT	524848
LED Area Lighter	ALE DOUBLE SYMM5/126/40 AT	524865
LED Area Lighter	ALE DOUBLE SYMM5/100/57 AT	524847
LED Area Lighter	ALE DOUBLE SYMM5/100/40 AT	524864
LED Area Lighter	ALE DOUBLE ASYW4/200/57/AT	99828
LED Area Lighter	ALE DOUBLE ASYW4/200/57 AT R9016	99670
LED Area Lighter	ALE DOUBLE ASYW4/200/40/AT R9007	99826
LED Area Lighter	ALE DOUBLE ASYW4/188/57 AT	525008
LED Area Lighter	ALE DOUBLE ASYW4/188/40 AT	525020
LED Area Lighter	ALE DOUBLE ASYW4/176/57 AT	525007
LED Area Lighter	ALE DOUBLE ASYW4/162/40/AT/R9003 M	527784
LED Area Lighter	ALE DOUBLE ASYW4/162/40/AT	525018
LED Area Lighter	ALE DOUBLE ASYW4/150/57 AT	525005
LED Area Lighter	ALE DOUBLE ASYW4/138/57 AT	525004
LED Area Lighter	ALE DOUBLE ASYW4/138/40 AT	525016
LED Area Lighter	ALE DOUBLE ASYW4/126/57 AT	526667
LED Area Lighter	ALE DOUBLE ASYF3/200/57/AT	99827
LED Area Lighter	ALE DOUBLE ASYF3/200/57 AT R9016	99672
LED Area Lighter	ALE DOUBLE ASYF3/188/57 AT	524845
LED Area Lighter	ALE DOUBLE ASYF3/188/40 AT	524862
LED Area Lighter	ALE DOUBLE ASYF3/162/40 AT R9007	527799
LED Area Lighter	ALE DOUBLE ASYF3/150/57/AT	524842
LED Area Lighter	ALE DOUBLE ASYF3/150/40 AT	524859
LED Area Lighter	ALE DOUBLE ASYF3/138/57 AT	524841
LED Area Lighter	ALE DOUBLE ASYF3/138/40 AT	524858
LED Area Lighter	ALE DOUBLE ASYF3/126/57 AT	524840
LED Area Lighter	ALE DOUBLE ASYF3/126/40 AT R9007	527797
Coupler, Post top for ALE, 60mm	ACOP SP6 ALE/EVOL	525213
Coupler, Post top for ALE, 60mm	ACOP SP6 ALE/EVOL R9010	528062
Coupler, Post top for ALE, 60mm	ACOP SP6 ALE/EVOL R6009	528063
Coupler, Wall Mount for ALE	ACOP WM ALE/EVOL RAL9016	525851
Coupler, Wall Mount for ALE	ACOP WM ALE/EVOL	526024
SBF		
SBF	SBF/C MH150	519638
SBF	SBF/D MH70	526767
SBF	SBF/D MH150	526768
SBF	SBF/C MH70	519636
WL&WM		
WL	WL-250BR HPS70	519486
WL	WL-250BR HPS100	519487
WL	WL-250BR HPS150	519488
WL	WL-250BR HPS250	519489

Index

Product Family	Product Description	SKU
WL	WL-250BR MH250 (HPS)	519491
WL	WL-175 HPS50	519492
WL	WL-175 HPS70	519493
WL	WL-175 HPS100	519494
WL	WL-175 HPS150	519495
WL	WL-175 MH150 E40	519496
WL	WL-175 S/E E40	527806
WL	WL-175 S/E E27	527807
WL	WL-175 HPM80	527808
WL	WL-175 HPS150 RC	527809
WL	WL-175 MH70	527810
WL	WL-175 HPS100 RC	527811
WL	WL-175 MH100	527812
WL	WL-175 MH150	527813
WL	WL-175 MH100 E40	527816
WL	WL-250BR HPS50	527817
WL	WL-250BR MH70	527818
WL	WL-250BR S/E E27	527819
WL	WL-175 HPM125	527892
WL	WM-175 HPS50	519497
WM	WM-175 HPS70	519498
WM	WM-175 HPS100	519499
WM	WM-175 HPS150	519500
WM	WM-175 MH70	519501
WM	WM-175 MH100	519502
WM	WM-175 MH150	519503
WM	WM-175 MH150 E40	519504
WM	WM-175 S/E E27	527731
WM	WM-175 HPM80	527732
WM	WM-175 HPM125	527733
WM	WM-175 S/E E40	527734

Facade and Flood

Floodlight LED

FLOODLIGHT LED	FLOODLIGHT LED/1X1/60 R7001 (61694)	526636
FLOODLIGHT LED	FLOODLIGHT LED/1X1/30 R7001 (61700)	526637
FLOODLIGHT LED	FLOODLIGHT LED/6X5/30 R7001 (61718)	526638
FLOODLIGHT LED	FLOODLIGHT LED/5X5/43 R7001 (61706)	526639
FLOODLIGHT LED	FLOODLIGHT LED/WF//6X5/43 (61715)	526640
FLOODLIGHT LED	FLOODLIGHT LED/NS/1X1/43 (61697)	526641
FLOODLIGHT LED	FLOODLIGHT LED/PO/6X5/43 R7001 (61733)	527502
FLOODLIGHT LED	FLOODLIGHT LED/5X5/60 R7001 (61703)	527503

Euroflood

Euroflood	NL EUROFLOOD EF15100MAS CWL 230V GE	42884
Euroflood	NL EUROFLOOD EF15150 MH R G12 EB CWL	523607
Euroflood	NL EUROFLOOD EF15150MAS CWL 230V GE	42885
Euroflood	NL EUROFLOOD EF15150MAS CWL 240V GE	90960
Euroflood	NL EUROFLOOD EF15150MASCMH CWL 230V GE	42903
Euroflood	NL EUROFLOOD EF1570MAS CWL 230V GE	42883
Euroflood	NL EUROFLOOD EF1570MAS CWL 240V GE	90953

Product Family	Product Description	SKU
Euroflood	NL EUROFLOOD EF1570MASCMH E27 CWL230V GE	42881
Euroflood	NL EUROFLOOD EF1570SAS CWL 230 GE	42882
Euroflood	NL EUROFLOOD EF25150SAS CWL 230V GE	42886
Euroflood	NL EUROFLOOD EF25150SSM CWL 230V GE	42888
Euroflood	NL EUROFLOOD EF25250MAS CWL 230V GE	42891
Euroflood	NL EUROFLOOD EF25250MAS CWL 240V GE	90952
Euroflood	NL EUROFLOOD EF25250MASCMH CWL 230V GE	42880
Euroflood	NL EUROFLOOD EF25250MSM CWL 230V GE	42892
Euroflood	NL EUROFLOOD EF25250MSM CWL 240V GE	90951
Euroflood	NL EUROFLOOD EF25250MSMCMH CWL 230V GE	42879
Euroflood	NL EUROFLOOD EF25250SAS CWL 230V GE	42889
Euroflood	NL EUROFLOOD EF25250SSM CWL 230V GE	42890
Euroflood	NL EUROFLOOD EF40250MAS CWL 230V GE	42895
Euroflood	NL EUROFLOOD EF40250MAS CWL 240V GE	90950
Euroflood	NL EUROFLOOD EF40250MSM CWL 230V GE	42896
Euroflood	NL EUROFLOOD EF40250MSM CWL 240V GE	90949
Euroflood	NL EUROFLOOD EF40250SAS CWL 230V GE	42893
Euroflood	NL EUROFLOOD EF40250SSM CWL 230V GE	42894
Euroflood	NL EUROFLOOD EF40400MAS CWL 220V 60HZ GE	44321
Euroflood	NL EUROFLOOD EF40400MAS CWL 230 GE	42898
Euroflood	NL EUROFLOOD EF40400MAS CWL 240 GE	90948
Euroflood	NL EUROFLOOD EF40400MASCMH CWL 230V GE	42878
Euroflood	NL EUROFLOOD EF40400MKAS CWL 230 GE	42901
Euroflood	NL EUROFLOOD EF40400MKSM CWL 230 GE	42902
Euroflood	NL EUROFLOOD EF40400MSM CWL 230V GE	42899
Euroflood	NL EUROFLOOD EF40400MSM CWL 240V GE	90947
Euroflood	NL EUROFLOOD EF40400MSMCMH CWL 230V GE	42877
Euroflood	NL EUROFLOOD EF40400SAS CWL 230V GE	43070
Euroflood	NL EUROFLOOD EF40400SSM CWL 230V GE	42897
Euroflood	NL EUROFLOOD EF40600SSM CWL 230V GE	42900

PFE-154

PFE-154	PFE-154 HPS150	519623
PFE-154	PFE-154 HPS250	519624
PFE-154	PFE-154 MH70 NEGRO FORJA	526766

PFE-400

PFE-400	PFE-400/5X2 MH250 (HPS)	88039
PFE-400	PFE-400/6X6 MH250 (HPS)	88040
PFE-400	PFE-400/IS/R HPS250 S/LIRA	99792
PFE-400	PFE-400/IS/R HPS150 S/LIRA	99793
PFE-400	PFE-400/IS HPS400 R7035	99794
PFE-400	PFE-400/IS HPS100 RC R7035	99795
PFE-400	PFE-400/IS HPS100 R7035	99796
PFE-400	PFE-400/IS HPS250 R7035	99797
PFE-400	PFE-400/IS HPS150 R7035	99798
PFE-400	PFE-400/7X6 MH400 (HPS)	99799
PFE-400	PFE-400/ISB HPS250	99800
PFE-400	PFE-400/ISB/R HPS400 FUS BCR	99801
PFE-400	PFE-400/IS HPS400	99802
PFE-400	PFE-400/CBM HPS400	99803
PFE-400	PFE-400/V2F/DA HPS400 HT	99804

Index

Product Family	Product Description	SKU
PFE-400	PFE-400/ISB HPS400 FUS All TEMP	99805
PFE-400	PFE-400/ISB HPS100 FUS All TEMP	99806
PFE-400	PFE-400/IS HPS150 RC	99807
PFE-400	PFE-400/IS HPS150	99808
PFE-400	PFE-400/CBM HPS150RCA R9007 PREST ACOD	99809
PFE-400	PFE-400/IS HPS250	99810
PFE-400	PFE-400/IS HPS150 RC LC	99811
PFE-400	PFE-400/IS HPS400 RC LC	99812
PFE-400	PFE-400/ISB HPS150 FUS All TEMP	99813
PFE-400	PFE-400/CBM MH250 (HPS)	519469
PFE-400	PFE-400/CBM MH400 (HPS)	519470
PFE-400	PFE-400/CBM HPS250 RC	519471
PFE-400	PFE-400/CBM HPS400 RC	519472
PFE-400	PFE-400/SYM HPS100	519473
PFE-400	PFE-400/SYM HPS150	519474
PFE-400	PFE-400/SYM HPS100 RC	519475
PFE-400	PFE-400/SYM HPS150 RC	519476
PFE-400	PFE-400/V2F/DA HPS100	519477
PFE-400	PFE-400/V2F/DA HPS100 RC	519482
PFE-400	PFE-400/V2F/DA HPS150 RC	519483
PFE-400	PFE-400/V2F/DA HPS250 RC	519484
PFE-400	PFE-400/CBM HPS100	519561
PFE-400	PFE-400/CBM HPS150	519562
PFE-400	PFE-400/CBM HPS250W	519563
PFE-400	PFE-400/4X2 HPS250	519601
PFE-400	PFE-400/6X6 HPS250	519604
PFE-400	PFE-400/7X6 HPS400	519608
PFE-400	PFE-400/7X6 HPS600	519612
PFE-400	PFE-400/6X6 MH250	519615
PFE-400	PFE-400/3X2 MH400	519616
PFE-400	PFE-400/IS/R HPS400 All TEMP	526671
PFE-400	PFE-400/CBM MH400	526672
PFE-400	PFE-400/V2F/DA HPS600 HT	526779
PFE-400	PFE-400/V2F/DA S/E E40	527165
PFE-400	PFE-400/V2F/DA HPS150 All	527166
PFE-400	PFE-400/V2F/DA HPS250 FUS	527167
PFE-400	PFE-400/V2F/DA/R HPS250 All	527168
PFE-400	PFE-400/V2F/DA HPS70	527169
PFE-400	PFE-400/V2F/DA HPS150 FUS	527170
PFE-400	PFE-400/V2F/DA HPS150 LL	527171
PFE-400	PFE-400/V2F/DA/R HPS150 All	527172
PFE-400	PFE-400/V2F/DA/R HPS150	527173
PFE-400	PFE-400/V2F/DA/R HPS150 FUS BCR	527174
PFE-400	PFE-400/V2F/DA/R HPS250 FUS BCR	527175
PFE-400	PFE-400/V2F/DA/R HPS400 FUS BCR	527176
PFE-400	PFE-400/V2F/DA/R HPS150 RC FUS BCR	527177
PFE-400	PFE-400/V2F/DA HPS400 All	527178
PFE-400	PFE-400/V2F/DA HPS400 FUS	527179
PFE-400	PFE-400/V2F/DA HPS400 All FUS10A	527180
PFE-400	PFE-400/V2F/DA/R HPS400 All	527181
PFE-400	PFE-400/V2F/DA/R HPS400 All R7035	527182
PFE-400	PFE-400/V2F/DA HPS400 DB	527183

Product Family	Product Description	SKU
PFE-400	PFE-400/V2F/DA HPS400 R7035	527184
PFE-400	PFE-400/V2F/DA/R HPS400 HT	527185
PFE-400	PFE-400/V2F/DA HPS400 LL	527187
PFE-400	PFE-400/V2F/DA MH250 (HPS)	527188
PFE-400	PFE-400/V2F/DA MH150 E40	527189
PFE-400	PFE-400/V2F/DA/R HPS400 All TEMP	527190
PFE-400	PFE-400/V2F/DA HPS600 FUS HT	527191
PFE-400	PFE-400/V2F/DA HPS100 ETI	527192
PFE-400	PFE-400/V2F/DA/R HPS250	527193
PFE-400	PFE-400/CBM S/E E40	527194
PFE-400	PFE-400/SYM HPS70	527195
PFE-400	PFE-400/CBM MH150 E40	527197
PFE-400	PFE-400/CBM HPS70	527198
PFE-400	PFE-400/CBM MH400 (HPM)	527199
PFE-400	PFE-400/CBM HPS150 RC	527200
PFE-400	PFE-400/CBM HPS150RC R9007 PREST ACOD	527202
PFE-400	PFE-400/CBM HPS150 R9007 PREST ACOD	527203
PFE-400	PFE-400/CBM HPS150 PREST ACOD	527204
PFE-400	PFE-400/CBM HPS250 PREST ACOD	527205
PFE-400	PFE-400/CBM/R MH250 (HPS)	527207
PFE-400	PFE-400/CBM HPS250 R7035	527208
PFE-400	PFE-400/CBM MH100 E40	527209
PFE-400	PFE-400/CBM HPS400 PREST ACOD	527210
PFE-400	PFE-400/SYM HPS100 RC FUS	527212
PFE-400	PFE-400/CBM HPS100 RC FUS	527213
PFE-400	PFE-400/CBM HPS150 RC FUS	527214
PFE-400	PFE-400/CBM HPS250 RC FUS	527215
PFE-400	PFE-400/CBM HPS400 RC FUS	527216
PFE-400	PFE-400/CBM HPS50	527218
PFE-400	PFE-400/CBM HPS250 RCAR9007PREST ACOD	527219
PFE-400	PFE-400/IS/R HPS150 All TEMP	527294
PFE-400	PFE-400/IS/R HPS150 RC TEMP	527295
PFE-400	PFE-400/IS/R HPS150 All TEMP BRA	527296
PFE-400	PFE-400/IS/R HPS400 All TEMP BRA	527297
PFE-400	PFE-400/IS/R HPS150 FUS BCR	527298
PFE-400	PFE-400/IS S/E RC (150)	527299
PFE-400	PFE-400/IS HPS400 ETI	527300
PFE-400	PFE-400/IS MH250 (HPS)	527301
PFE-400	PFE-400/IS HPS250 ETI LL	527302
PFE-400	PFE-400/IS/R HPS400	527303
PFE-400	PFE-400/IS/R HPS250 ETI	527304
PFE-400	PFE-400/IS/R HPS150 RC ETI	527305
PFE-400	PFE-400/IS HPS70	527306
PFE-400	PFE-400/IS/R HPS250 FUS BCR	527307
PFE-400	PFE-400/IS/R HPS400 FUS BCR	527308
PFE-400	PFE-400/IS/R HPS150 FUS BCR LC	527309
PFE-400	PFE-400/IS/R HPS400 FUS BCR LC	527310
PFE-400	PFE-400/IS HPS100 RC	527311
PFE-400	PFE-400/IS HPS100	527312
PFE-400	PFE-400/IS/R HPS150 TEMP	527313
PFE-400	PFE-400/IS/R HPS400 TEMP	527314
PFE-400	PFE-400/IS HPS250 RC	527315

Index

Product Family	Product Description	SKU
PFE-400	PFE-400/IS HPS400 RC	527316
PFE-400	PFE-400/IS HPS250 RC LC	527317
PFE-400	PFE-400/IS HPS400 240V	527318
PFE-400	PFE-400/ISB/R HPS250 FUS BCR	527319
PFE-400	PFE-400/ISB/R HPS150 FUS BCR	527320
PFE-400	PFE-400/ISB/R HPS100 FUS BCR	527321
PFE-400	PFE-400/6X6-7X6 S/E E40	527428
PFE-400	PFE-400/6X3 HPS70	527429
PFE-400	PFE-400/6X6 HPS100	527430
PFE-400	PFE-400/6X6 HPS150	527431
PFE-400	PFE-400/6X3 HPS150	527432
PFE-400	PFE-400/4X3 HPS150	527433
PFE-400	PFE-400/6X6 MH150 E40	527434
PFE-400	PFE-400/5X4 HPS250	527435
PFE-400	PFE-400/5X4 HPS400	527436
PFE-400	PFE-400/5X2 HPS400	527437
PFE-400	PFE-400/7X6 HPS400 FUS	527438
PFE-400	PFE-400/5X2 MH250	527439
PFE-400	PFE-400/3X3 MH250	527440
PFE-400	PFE-400/7X6 MH400	527441
PFE-400	PFE-400/4X4 MH400 (HPS)	527442
PFE-400	PFE-400/6X3 MH400 (HPM)	527443
PFE-400	PFE-400/7X6 MH400 (HPM)	527444
PFE-400	PFE-400/6X4 HPS400	527445
PFE-400	PFE-400/4X4 MH400	527446
PFE-400	PFE-400/6X6/R HPS250	527447
PFE-400	PFE-400/6X3 HPS100	527448
PFE-400	PFE-400/6X3 HPS250	527449
PFE-400	PFE-400/6X4 HPS600	527450
PFE-400	PFE-400/6X3 MH400	527451
PFE-400	PFE-400/3X2 HPS150	527454
PFE-400	PFE-400/5X4 HPS600	527455
PFE-400	PFE-400/5X2 HPS600	527456
PFE-400	PFE-400/7X6 HPS400 RC	527458
PFE-400	PFE-400/6X6 MH250 (HPM)	527460
PFE-400	PFE-400/6X3 HPS150 RC	527461
PFE-400	PFE-400/6X4 HPS400 RC	527462
PFE-400	PFE-400/6X6 HPS250 RC	527463
PFE-400	PFE-400/5X4 HPS400 RC	527464
PFE-400	PFE-400/6X6 HPS150 RC	527465
PFE-400	PFE-400/3X2 MH400 (HPS)	527466
PFE-400	PFE-400/6X3 MH400 (HPS)	527467
PFE-400	PFE-400/7X6 MH400 (HPM) R7035	527468
PFE-400	PFE-400/6X3 MH400 (HPM) R7035	527469
PFE-400	PFE-400/6X4 S/E E40	527470
PFE-400	PFE-400/6X6/E HPS150	527471
PFE-400	PFE-400/5X2/R MH250 (HPS)	527472
PFE-400	PFE-400/6X3/R MH400 (HPS)	527473
PFE-400	PFE-400/6X3/R MH250 (HPS)	527474
PFE-400	PFE-400/6X3/R HPS250	527476
PFE-400	PFE-400/6X6 HPS150 ZAR	527479
PFE-400	PFE-400/7X6 HPS400 ETI	527481

Product Family	Product Description	SKU
PFE-400	PFE-400/6X3 HPS100 ETI	527482
PFE-400	PFE-400/6X6 MH100 E40	527484
PFE-400	PFE-400/6X3 HPS250 ETI	527486
PFE-400	PFE-400/5X4 HPS400 ETI	527487
PFE-400	PFE-400/3X2 S/E E40 (MH400)	527488
PFE-400	PFE-400/5X4 HPS400 R7035	527490
PFE-400	PFE-400/5X2 MH150 E40	527495
PFE-400	PFE-400/6X6 HPS150 RCA R9007	527496
PFE-400	PFE-400/V2F/DA HPS150	519478
PFE-400	PFE-400/V2F/DA HPS250	519479
Coupler, Post top for PFE-400, 60mm	ACOP SP6 PFE-400	Being Listed
Electrical Unit for PFE-400, HPS 100w	U/E PFE-400 HPS100	527521
Electrical Unit for PFE-400, HPS 150w	U/E PFE-400 HPS150	527511
Electrical Unit for PFE-400, HPS 150w with Power Reduction	U/E PFE-400 HPS150 RC	527512
Electrical Unit for PFE-400, HPS 250w	U/E PFE-400 HPS250	527513
Electrical Unit for PFE-400, HPS 250w	U/E PFE-400 HPS250 AII	527514
Electrical Unit for PFE-400, HPS 400w	U/E PFE-400 HPS400 AII	527515
Electrical Unit for PFE-400, HPS 600w	U/E PFE-400 HPS600	527522
Electrical Unit for PFE-400, MH / HPM 400w	U/E PFE-400 MH400 (HPM)	527516
PFE-1000		
PFE-1000	PFE-1000/6X2 HPS600	519591
PFE-1000	PFE-1000/7X7 HPS1000 HASHOFET	519598
PFE-1000	PFE-1000/6X5 MH1000 HASHOFET	519599
PFE-1000	PFE-1000/7X7 MH1000 HASHOFET	519600
PFE-1000	PFE-1000/6X5 HPS400	528211
PFE-1000	PFE-1000/6X5 HPS600	528212
PFE-1000	PFE-1000/7X7 HPS600	528213
PFE-1000	PFE-1000/7X7 MH1000 9,5A(HPS)	528214
PFE-1000	PFE-1000/6X5 HPS1000 HASHOFET	528215
PFE-1000	PFE-1000/6X2 HPS1000 HASHOFET	528216
PFE-1000	PFE-1000/6X3 HPS1000 9,5A (HPS)	528217
PFE-1000	PFE-1000/7X7 S/E E40	Being Listed
PFE-1000	PFE-1000/6X3 HPS600	Being Listed
PFE-1000	PFE-1000/6X5 S/E E40 C/ARR AVS-1k(HPS)	Being Listed
PFE-1000	PFE-1000/6X3 S/E E40 C/ARR AVS-1k(HPS)	Being Listed
PFE-1000	PFE-1000/6X5 S/E E40 C/ARR AH-1k(MH)	Being Listed
PFE-1000	PFE-1000/6X5 MH1000 9,5A (HPS)	Being Listed
PFE-1000	PFE-1000/7X7 MH1k 220V 60HZ 9,5A (HPS)	Being Listed
Electrical Unit for PFE-1000, MH 1000w	U/E PFE-1000 MH1000 9,5A(HPS)	527528
Electrical Unit for PFE-1000, MH 1000w Hashofet	U/E PFE-1000 MH1000 HASHOFET	527527

Tunnel

Tunnel LED		
TUNNEL LED	TUNNEL LED/D/AM ASY3R7001 ETLB1AMF60D	526033
TUNNEL LED	TUNNEL LED/D/AW ASY2R7001 ETLB1AWF60D	526642
TUNNEL LED	TUNNEL LED/D/SY SYM5R7001 ETLB1SYF60D	527504
Coupler, Ceiling for Tunnel LED	ACOP CM TUNNEL LED ETLB CMB 61648	524717
Coupler, Wall Mount for Tunnel LED	ACOP WM TUNNEL LED ETLB WMB 61647	524716

Index

Product Family	Product Description	SKU
Tunnel T5		
Tunnel T5	TUNEL T5/HAR/SM 49W	Being Listed
Tunnel T5	TUNEL T5/HAR/SM 49W DALI	Being Listed
Tunnel T5	TUNEL T5/PG/SM 49W	Being Listed
Tunnel T5	TUNEL T5/PG/SM 49W DALI	Being Listed
Tunnel T5	TUNEL T5/HAR/SI 49W DALI	Being Listed
Tunnel T5	TUNEL T5/PG/AE 49W DALI	Being Listed
Tunnel T5	TUNEL T5/HAR/SM 80W	Being Listed
Tunnel T5	TUNEL T5/HAR/SI 80W	Being Listed
Tunnel T5	TUNEL T5/HAR/SI 80W DALI	Being Listed
Tunnel T5	TUNEL T5/HAR/AI 80W	Being Listed
Tunnel T5	TUNEL T5/HAR/AE 80W DALI	Being Listed
Tunnel T5	TUNEL T5/PG/SM 49W IP66	Being Listed
Coupler, Articualated, Double for Tunnel T5	ACOP ART DOBLE TUNEL T5	528192
Coupler, Articualated, for Tunnel T5	ACOP ART TUNEL T5	528191
Coupler, Double for Tunnel T5	ACOP FIJO DOBLE TUNEL T5	528190
Coupler, for Tunnel T5	ACOP FIJO TUNEL T5	528189
PFE-400		
PFE-400	PFE-400/5X2 MH250 (HPS)	88039
PFE-400	PFE-400/6X6 MH250 (HPS)	88040
PFE-400	PFE-400/IS/R HPS250 S/LIRA	99792
PFE-400	PFE-400/IS/R HPS150 S/LIRA	99793
PFE-400	PFE-400/IS HPS400 R7035	99794
PFE-400	PFE-400/IS HPS100 RC R7035	99795
PFE-400	PFE-400/IS HPS100 R7035	99796
PFE-400	PFE-400/IS HPS250 R7035	99797
PFE-400	PFE-400/IS HPS150 R7035	99798
PFE-400	PFE-400/7X6 MH400 (HPS)	99799
PFE-400	PFE-400/ISB HPS250	99800
PFE-400	PFE-400/ISB/R HPS400 FUS BCR	99801
PFE-400	PFE-400/IS HPS400	99802
PFE-400	PFE-400/CBM HPS400	99803
PFE-400	PFE-400/V2F/DA HPS400 HT	99804
PFE-400	PFE-400/ISB HPS400 FUS AII TEMP	99805
PFE-400	PFE-400/ISB HPS100 FUS AII TEMP	99806
PFE-400	PFE-400/IS HPS150 RC	99807
PFE-400	PFE-400/IS HPS150	99808
PFE-400	PFE-400/CBM HPS150RCA R9007 PREST ACOD	99809
PFE-400	PFE-400/IS HPS250	99810
PFE-400	PFE-400/IS HPS150 RC LC	99811
PFE-400	PFE-400/IS HPS400 RC LC	99812
PFE-400	PFE-400/ISB HPS150 FUS AII TEMP	99813
PFE-400	PFE-400/CBM MH250 (HPS)	519469
PFE-400	PFE-400/CBM MH400 (HPS)	519470
PFE-400	PFE-400/CBM HPS250 RC	519471
PFE-400	PFE-400/CBM HPS400 RC	519472
PFE-400	PFE-400/SYM HPS100	519473
PFE-400	PFE-400/SYM HPS150	519474
PFE-400	PFE-400/SYM HPS100 RC	519475
PFE-400	PFE-400/SYM HPS150 RC	519476

Product Family	Product Description	SKU
PFE-400	PFE-400/V2F/DA HPS100	519477
PFE-400	PFE-400/V2F/DA HPS100 RC	519482
PFE-400	PFE-400/V2F/DA HPS150 RC	519483
PFE-400	PFE-400/V2F/DA HPS250 RC	519484
PFE-400	PFE-400/CBM HPS100	519561
PFE-400	PFE-400/CBM HPS150	519562
PFE-400	PFE-400/CBM HPS250W	519563
PFE-400	PFE-400/4X2 HPS250	519601
PFE-400	PFE-400/6X6 HPS250	519604
PFE-400	PFE-400/7X6 HPS400	519608
PFE-400	PFE-400/7X6 HPS600	519612
PFE-400	PFE-400/6X6 MH250	519615
PFE-400	PFE-400/3X2 MH400	519616
PFE-400	PFE-400/IS/R HPS400 AII TEMP	526671
PFE-400	PFE-400/CBM MH400	526672
PFE-400	PFE-400/V2F/DA HPS600 HT	526779
PFE-400	PFE-400/V2F/DA S/E E40	527165
PFE-400	PFE-400/V2F/DA HPS150 AII	527166
PFE-400	PFE-400/V2F/DA HPS250 FUS	527167
PFE-400	PFE-400/V2F/DA/R HPS250 AII	527168
PFE-400	PFE-400/V2F/DA HPS70	527169
PFE-400	PFE-400/V2F/DA HPS150 FUS	527170
PFE-400	PFE-400/V2F/DA HPS150 LL	527171
PFE-400	PFE-400/V2F/DA/R HPS150 AII	527172
PFE-400	PFE-400/V2F/DA/R HPS150	527173
PFE-400	PFE-400/V2F/DA/R HPS150 FUS BCR	527174
PFE-400	PFE-400/V2F/DA/R HPS250 FUS BCR	527175
PFE-400	PFE-400/V2F/DA/R HPS400 FUS BCR	527176
PFE-400	PFE-400/V2F/DA/R HPS150 RC FUS BCR	527177
PFE-400	PFE-400/V2F/DA HPS400 AII	527178
PFE-400	PFE-400/V2F/DA HPS400 FUS	527179
PFE-400	PFE-400/V2F/DA HPS400 AII FUS10A	527180
PFE-400	PFE-400/V2F/DA/R HPS400 AII	527181
PFE-400	PFE-400/V2F/DA/R HPS400 AII R7035	527182
PFE-400	PFE-400/V2F/DA HPS400 DB	527183
PFE-400	PFE-400/V2F/DA HPS400 R7035	527184
PFE-400	PFE-400/V2F/DA/R HPS400 HT	527185
PFE-400	PFE-400/V2F/DA HPS400 LL	527187
PFE-400	PFE-400/V2F/DA MH250 (HPS)	527188
PFE-400	PFE-400/V2F/DA MH150 E40	527189
PFE-400	PFE-400/V2F/DA/R HPS400 AII TEMP	527190
PFE-400	PFE-400/V2F/DA HPS600 FUS HT	527191
PFE-400	PFE-400/V2F/DA HPS100 ETI	527192
PFE-400	PFE-400/V2F/DA/R HPS250	527193
PFE-400	PFE-400/CBM S/E E40	527194
PFE-400	PFE-400/SYM HPS70	527195
PFE-400	PFE-400/CBM MH150 E40	527197
PFE-400	PFE-400/CBM HPS70	527198
PFE-400	PFE-400/CBM MH400 (HPM)	527199
PFE-400	PFE-400/CBM HPS150 RC	527200
PFE-400	PFE-400/CBM HPS150RC R9007 PREST ACOD	527202
PFE-400	PFE-400/CBM HPS150 R9007 PREST ACOD	527203
PFE-400	PFE-400/CBM HPS150 PREST ACOD	527204

Index

Product Family	Product Description	SKU
PFE-400	PFE-400/CBM HPS250 PREST ACOD	527205
PFE-400	PFE-400/CBM/R MH250 (HPS)	527207
PFE-400	PFE-400/CBM HPS250 R7035	527208
PFE-400	PFE-400/CBM MH100 E40	527209
PFE-400	PFE-400/CBM HPS400 PREST ACOD	527210
PFE-400	PFE-400/SYM HPS100 RC FUS	527212
PFE-400	PFE-400/CBM HPS100 RC FUS	527213
PFE-400	PFE-400/CBM HPS150 RC FUS	527214
PFE-400	PFE-400/CBM HPS250 RC FUS	527215
PFE-400	PFE-400/CBM HPS400 RC FUS	527216
PFE-400	PFE-400/CBM HPS50	527218
PFE-400	PFE-400/CBM HPS250 RCAR9007PREST ACOD	527219
PFE-400	PFE-400/IS/R HPS150 AII TEMP	527294
PFE-400	PFE-400/IS/R HPS150 RC TEMP	527295
PFE-400	PFE-400/IS/R HPS150 AII TEMP BRA	527296
PFE-400	PFE-400/IS/R HPS400 AII TEMP BRA	527297
PFE-400	PFE-400/IS/R HPS150 FUS BCR	527298
PFE-400	PFE-400/IS S/E RC (150)	527299
PFE-400	PFE-400/IS HPS400 ETI	527300
PFE-400	PFE-400/IS MH250 (HPS)	527301
PFE-400	PFE-400/IS HPS250 ETI LL	527302
PFE-400	PFE-400/IS/R HPS400	527303
PFE-400	PFE-400/IS/R HPS250 ETI	527304
PFE-400	PFE-400/IS/R HPS150 RC ETI	527305
PFE-400	PFE-400/IS HPS70	527306
PFE-400	PFE-400/IS/R HPS250 FUS BCR	527307
PFE-400	PFE-400/IS/R HPS400 FUS BCR	527308
PFE-400	PFE-400/IS/R HPS150 FUS BCR LC	527309
PFE-400	PFE-400/IS/R HPS400 FUS BCR LC	527310
PFE-400	PFE-400/IS HPS100 RC	527311
PFE-400	PFE-400/IS HPS100	527312
PFE-400	PFE-400/IS/R HPS150 TEMP	527313
PFE-400	PFE-400/IS/R HPS400 TEMP	527314
PFE-400	PFE-400/IS HPS250 RC	527315
PFE-400	PFE-400/IS HPS400 RC	527316
PFE-400	PFE-400/IS HPS250 RC LC	527317
PFE-400	PFE-400/IS HPS400 240V	527318
PFE-400	PFE-400/ISB/R HPS250 FUS BCR	527319
PFE-400	PFE-400/ISB/R HPS150 FUS BCR	527320
PFE-400	PFE-400/ISB/R HPS100 FUS BCR	527321
PFE-400	PFE-400/6X6-7X6 S/E E40	527428
PFE-400	PFE-400/6X3 HPS70	527429
PFE-400	PFE-400/6X6 HPS100	527430
PFE-400	PFE-400/6X6 HPS150	527431
PFE-400	PFE-400/6X3 HPS150	527432
PFE-400	PFE-400/4X3 HPS150	527433
PFE-400	PFE-400/6X6 MH150 E40	527434
PFE-400	PFE-400/5X4 HPS250	527435
PFE-400	PFE-400/5X4 HPS400	527436
PFE-400	PFE-400/5X2 HPS400	527437
PFE-400	PFE-400/7X6 HPS400 FUS	527438
PFE-400	PFE-400/5X2 MH250	527439
PFE-400	PFE-400/3X3 MH250	527440
PFE-400	PFE-400/7X6 MH400	527441
PFE-400	PFE-400/4X4 MH400 (HPS)	527442

Product Family	Product Description	SKU
PFE-400	PFE-400/6X3 MH400 (HPM)	527443
PFE-400	PFE-400/7X6 MH400 (HPM)	527444
PFE-400	PFE-400/6X4 HPS400	527445
PFE-400	PFE-400/4X4 MH400	527446
PFE-400	PFE-400/6X6/R HPS250	527447
PFE-400	PFE-400/6X3 HPS100	527448
PFE-400	PFE-400/6X3 HPS250	527449
PFE-400	PFE-400/6X4 HPS600	527450
PFE-400	PFE-400/6X3 MH400	527451
PFE-400	PFE-400/3X2 HPS150	527454
PFE-400	PFE-400/5X4 HPS600	527455
PFE-400	PFE-400/5X2 HPS600	527456
PFE-400	PFE-400/7X6 HPS400 RC	527458
PFE-400	PFE-400/6X6 MH250 (HPM)	527460
PFE-400	PFE-400/6X3 HPS150 RC	527461
PFE-400	PFE-400/6X4 HPS400 RC	527462
PFE-400	PFE-400/6X6 HPS250 RC	527463
PFE-400	PFE-400/5X4 HPS400 RC	527464
PFE-400	PFE-400/6X6 HPS150 RC	527465
PFE-400	PFE-400/3X2 MH400 (HPS)	527466
PFE-400	PFE-400/6X3 MH400 (HPS)	527467
PFE-400	PFE-400/7X6 MH400 (HPM) R7035	527468
PFE-400	PFE-400/6X3 MH400 (HPM) R7035	527469
PFE-400	PFE-400/6X4 S/E E40	527470
PFE-400	PFE-400/6X6/E HPS150	527471
PFE-400	PFE-400/5X2/R MH250 (HPS)	527472
PFE-400	PFE-400/6X3/R MH400 (HPS)	527473
PFE-400	PFE-400/6X3/R MH250 (HPS)	527474
PFE-400	PFE-400/6X3/R HPS250	527476
PFE-400	PFE-400/6X6 HPS150 ZAR	527479
PFE-400	PFE-400/7X6 HPS400 ETI	527481
PFE-400	PFE-400/6X3 HPS100 ETI	527482
PFE-400	PFE-400/6X6 MH100 E40	527484
PFE-400	PFE-400/6X3 HPS250 ETI	527486
PFE-400	PFE-400/5X4 HPS400 ETI	527487
PFE-400	PFE-400/3X2 S/E E40 (MH400)	527488
PFE-400	PFE-400/5X4 HPS400 R7035	527490
PFE-400	PFE-400/5X2 MH150 E40	527495
PFE-400	PFE-400/6X6 HPS150 RCA R9007	527496
PFE-400	PFE-400/V2F/DA HPS150	519478
PFE-400	PFE-400/V2F/DA HPS250	519479
Coupler, Post top for PFE-400, 60mm	ACOP SP6 PFE-400	Being Listed
Electrical Unit for PFE-400, HPS 100w	U/E PFE-400 HPS100	527521
Electrical Unit for PFE-400, HPS 150w	U/E PFE-400 HPS150	527511
Electrical Unit for PFE-400, HPS 150w with Power Reduction	U/E PFE-400 HPS150 RC	527512
Electrical Unit for PFE-400, HPS 250w	U/E PFE-400 HPS250	527513
Electrical Unit for PFE-400, HPS 250w	U/E PFE-400 HPS250 AII	527514
Electrical Unit for PFE-400, HPS 400w	U/E PFE-400 HPS400 AII	527515
Electrical Unit for PFE-400, HPS 600w	U/E PFE-400 HPS600	527522
Electrical Unit for PFE-400, MH / HPM 400w	U/E PFE-400 MH400 (HPM)	527516

Index

Product Family	Product Description	SKU
V2F		
V2F	V2F/VP/DA HPS70	519550
V2F	V2F/VP/DA HPS250	519553
V2F	V2F/VP/DA HPS400	519554
V2F	V2F/VP/DA MH150 E40	519555
V2F	V2F/VP/DA MH250 (HPS)	519556
V2F	V2F/VP/DA MH400 (HPS)	519557
V2F	V2F/VP/DA HPS100	526540
V2F	V2F/VP/DA HPS150	526542
V2F	V2F/VP/DA S/E E40	527136
V2F	V2F/VT/DA HPS150	527137
V2F	V2F/VP/DA HPS150 RC	527138
V2F	V2F/VP/DA HPS150 L	527139
V2F	V2F/VP/DA HPS150 LC	527140
V2F	V2F/VP/DA HPS400 LC	527141
V2F	V2F/VE/DA HPS150	527142
V2F	V2F/VP/DA HPM125	527143
V2F	V2F/VP/DA HPM250	527144
V2F	V2F/VT/DA HPS70	527145
V2F	V2F/VT/DA HPS100	527146
V2F	V2F/VC/DA HPS250	527147
V2F	V2F/VT/DA HPS250	527148
V2F	V2F/VT/DA HPS400	527149
V2F	V2F/VP/DA HPS250 LC	527150
V2F	V2F/VP/DA HPS150 AII	527151
V2F	V2F/VP/DA MH400 (HPM)	527152
V2F	V2F/VP/DA HPS150 AII VIT LM	527153
V2F	V2F/VP/DA HPS250 AII VIT LM	527154
V2F	V2F/VP/DA HPS400 AII VIT LM	527155
V2F	V2F/VP/DA HPS250 RC	527156
V2F	V2F/VP/DA HPS400 RC	527157
V2F	V2F/VT/DA HPS150 AT	527158
V2F	V2F/VE/DA MH150 E40	527159
V2F	V2F/VT/DA HPS70 C2 TAV	527161
V2F	V2F/VT/DA MH150 E40	527162
V2F	V2F/VT/DA HPS70 2PG 5BORN	527163
V2F	V2F/VP/DA HPS50	527164

Sports

EF-2000		
EF-2000	EF2 W 2000 DOUBLE ENDED S/LAMP	78149
EF 2000	EF2 US 2000HRR DOUBLE ENDED S/LAMP	97292
EF 2000	EF2 S 2000HRR DOUBLE ENDED S/LAMP	97293
EF 2000	EF2 MS 2000HRR DOUBLE ENDED S/LAMP	97294
EF 2000	EF2 M 2000HRR DOUBLE ENDED S/LAMP	97295
EF 2000	EF2 MW 2000HRR DOUBLE ENDED S/LAMP	97296
EF 2000	EF2 W 2000HRR DOUBLE ENDED S/LAMP	97297
EF 2000	EF2 US 2000 DOUBLE ENDED S/LAMP	99862
EF 2000	EF2 M 2000 DOUBLE ENDED S/LAMP	99863
EF 2000	EF2 S 2000 DOUBLE ENDED S/LAMP	99864
EF 2000	EF2 MW 2000 DOUBLE ENDED S/LAMP	99865
EF 2000	EF2 MW 2000 HF DOUBLE ENDED S/LAMP	99880
EF 2000	EF2 S 2000 HF DOUBLE ENDED S/LAMP	99883

Product Family	Product Description	SKU
EF 2000	EF2 M 2000 HF DOUBLE ENDED S/LAMP	99884
EF 2000	EF2 W 1000 DOUBLE ENDED S/LAMP	99924
EF 2000	EF2 W 2000 HF DOUBLE ENDED S/LAMP	99937
EF 2000	EF2 M 1000 DOUBLE ENDED S/LAMP 42844	519569
EF 2000	EF2 MW 1000 DOUBLE ENDED S/LAMP 42846	519570
EF 2000	EF2 W 1000 S E40 S/LAMP	519571
EF 2000	EF2 M 1000 DOUBLE ENDED S/LAMP	523877
EF 2000	EF2 MS 1000 DOUBLE ENDED S/LAMP	523878
EF 2000	EF2 MS 2000 DOUBLE ENDED S/LAMP	523879
EF 2000	EF2 US 1000 HRR DOUBLE ENDED S/LAMP	523880
EF 2000	EF2 S 1000 HRR DOUBLE ENDED S/LAMP	523881
EF 2000	EF2 MS 1000 HRR DOUBLE ENDED S/LAMP	523882
EF 2000	EF2 M 1000 HRR DOUBLE ENDED S/LAMP	523883
EF 2000	EF2 MW 1000 HRR DOUBLE ENDED S/LAMP	523884
EF 2000	EF2 W 1000 HRR DOUBLE ENDED S/LAMP	523885
EF 2000	EF2 M MH1000 E40 S/LAMP	524351
EF 2000	EF2 M 2000 DOUBLE ENDED S/LAMP R9011	525693
EF 2000	EF2 US 2000 HF DOUBLE ENDED S/LAMP	526551
EF 2000	EF2 US 1000 DOUBLE ENDED S/LAMP 42847	527497
EF 2000	EF2 S 1000 DOUBLE ENDED S/LAMP	527498
EF 2000	EF2 M 1000 S E40 S/LAMP	527499
EF 2000	EF2 W 1000 M E40 S/LAMP	527500
EF 2000 LAMP	HRI-TS2000W/D/S/HF/400/K12S RADIUM	526564
EF 2000 LAMP	HRI-TS2000W/D/S/400/K12S HR	526565
Electrical Unit for EF-2000	C/E MH2000 400V 10,3A IP65 S/ARR HRR	526530
Electrical Unit for EF-2000	C/E MH2000 400V 10,3A 60 Hz IP65 S/ARR HRR	526546
Electrical Unit for EF-2000	C/E MH2000 400V 10,3A IP65 S/ARR	527532
Electrical Unit for EF-2000	C/E MH2000 400V 8,8A IP65 S/ARR	527822
Electrical Unit for EF-2000	C/E MH1000 9,5A 220V IP65 S/ARR	527823
Electrical Unit for EF-2000	C/E MH2000 400V 10,3A 60HZ IP65 S/ARR	527824
Electrical Unit for EF-2000	C/E MH2000 380V 60HZ 12,2A IP65 S/ARR	527825
Electrical Unit for EF-2000	C/E MH1000 9,5A 220V 60HZ IP65 S/ARR	528166
Electrical Unit for EF-2000	C/E MH1000 9,5A 220V 60HZ IP65 S/ARR HRR	528167
Electrical Unit for EF-2000	C/E MH1000 9,5A IP65 S/ARR	528168
Electrical Unit for EF-2000	C/E MH1000 9,5A IP65 S/ARR HRR	Being Listed
PW		
Electrical Unit for PW	C/E PW HPS1000 (HPS)	Being Listed
Electrical Unit for PW	C/E PW MH1000 9,5A (HPS)	Being Listed
Electrical Unit for PW	C/E PW HPS400	Being Listed
Electrical Unit for PW	C/E PW MH400	Being Listed
Electrical Unit for PW	C/E PW S/E E40	Being Listed
Electrical Unit for PW	C/E PW MH250 (HPS)	Being Listed
Electrical Unit for PW	C/E PW S/E E40	Being Listed
Electrical Unit for PW, MH 1000w HASHOFT	U/E PW MH1000 HASHOFET	527523
Optical assembly for PW	C/O PW-22 A2	519581
Optical assembly for PW	C/O PW-22 A	519582
Optical assembly for PW	C/O PW-20 B	519583
Optical assembly for PW	C/O PW-20 C	519584
Optical assembly for PW	C/O PW-20 D	519585
Optical assembly for PW	C/O PW-20 E	519586
Optical assembly for PW	C/O PW-20 B S/P	Being Listed
Optical assembly for PW	C/O PW-20 C S/P	Being Listed
Optical assembly for PW	C/O PW-22 A S/P	Being Listed

Sales offices

ARGENTINA, URUGUAY, PARAGUAY
GE Iluminacion S.A.
Valentín Virasoro 2656
(B1643HDB) Beccar, Buenos Aires
Edificio Uruguay III, 2˚ Piso
Argentina
Tel: (54) 11 5556 3300
Fax: (54) 11 4736 6616

AUSTRALIA
GE Lighting Australia Ltd.
125-127 Long Street
Smithfield, NSW 2164
Australia
Tel: (61) 2 8788 6911
Fax: (61) 2 8788 7224

AUSTRIA, GERMANY, SWITZERLAND
GE Germany
Thomas-Edison-Platz 1
63263 Neu-Isenburg
Germany
T +49 (0)6102 36-1383
F +49 (0)6102 36-1393

BAHRAIN, IRAQ, JORDAN, KUWAIT, LEBANON, OMAN, PAKISTAN, QATAR, UAE, YEMEN
GE International Inc.
City Tower II, Sheikh Zayed Rd
P.O.Box 52905
Dubai
UAE
Tel: (971) 4 3310 444
Fax: (971) 4 3315 930

BOSNIA AND HERZEGOVINA
Media Light d.o.o.
Exclusive agent of GE Hungary Kft.
Lighting and Power Protection
Cesta na Brdo 109
1000 Ljubljana
Slovenia
Tel: (386) 1 530 4366
Fax: (386) 1 530 4361

BRAZIL
GE Iluminação do Brasil Comércio de Lâmpadas Ltda
Av Maria Coelho Aguiar, 215
Bloco G – Piso Jardim
Jd São Luiz - São Paulo/SP
05804-900 Brazil
Tel: (55) 11 3614-1833
Fax: (55) 11 3614-1825
SAC : 0800-333-4448

BULGARIA
VSD Merkur
Sales Representative of
GE Hungary Kft.
Office 31, entr. 4
2 Nikolai Haitov str.
1113 Sofia, Bulgaria
T +359 2 8705586
F +359 2 9733325

CANADA
GE Lighting Canada
468 South Service Road E,
Oakville, Ontario L6J 2X6
Canada
Tel: (1) 877 259 0941

CARIBBEAN & CENTRAL AMERICA
General Electric Company
790 N.W. 107 Avenue, Suite 204
Miami, Florida 33172
USA
Tel: (1) 305 551 5114
Fax: (1)305 551 5116

CHILE, BOLIVIA
General Electric de Chile S.A.
Av Isidora Goyenechea 2800.
Las Condes
Edificio Titanium, Piso 21
Zip Code: 75500647
Santiago
Chile
Tel: (56) 2 652 6500
Fax: (56) 2 652

CHINA
GE Consumer & Industrial
Shanghai Office
(GE Enterprise Development Co., Ltd)
(GE Lighting Co., Ltd)
22F~24F, Building C, Hi-Tech
Building, 900 Yishan Road,
PC: 200233
Shanghai
P.R. China
Tel: (86) 21 24013333
Fax: (86) 21 64857177

COLOMBIA
General Electric International Inc.
Calle 113 N˚7 - 80 Oficina 1001
Torre AR
Bogotá
Colombia
Tel: (57) 1 742 5660
Fax: (57) 1 742 5569

CROATIA
Media Light d.o.o.
Exclusive agent of GE Hungary Kft.
Lighting and Power Protection
Cesta na Brdo 109
1000 Ljubljana
Slovenia
Tel: (386) 1 530 4366
Fax: (386) 1 530 4361

CYPRUS, MALTA
General Electric Medical Systems SA
156 Kyprou Av. & 91
Konstantinoupoleos Str.
164 51 Argyroupolis, Athens
Greece
Tel: (30) 210 9690 669
Fax: (30) 210 9625 931

CZECH REPUBLIC, SLOVAKIA
GE Hungary Kft.
1044 Budapest
Váci út 77.
Tel.: (36) 1 399 1100
Fax: (36) 1 399 1672

DENMARK
GE Lighting A/S
Park Alle 295
DK-2605 Bröndby
Denmark
Tel: (45) 8040 4945
Fax: (45) 8040 4947

FINLAND
GE Consumer & Industrial Oy
Kuortaneenkatu 2
00510 Helsinki
Finland
Tel: (358) 103942507
Fax: (358) 103942515

FRANCE & BENELUX
GE Lighting SARL
ZAC Paris Nord II
13, rue de la Perdrix
B.P. 50073
95947 Roissy CDG Cedex
France
Tel: (33) 1 48 63 68 00
Fax: (33) 1 48 63 68 08

GREECE
General Electric Medical Systems SA
156 Kyprou Av. & 91
Konstantinoupoleos Str.
164 51 Argyroupolis, Athens
Greece
Tel: (30) 210 9690 669
Fax: (30) 210 9625 931

HONG KONG
GE International Operations Co.Inc.
8th Floor, The Lee Gardens
33 Hysan Avenue
Causeway Bay
Hong Kong
Tel: (852) 2100 6900
Fax: (852) 2376 0013

HUNGARY
GE Hungary Kft.
1044 Budapest
Váci út 77.
Tel: (36) 1 399 1100
Fax: (36) 1 399 1672

INDIA, SRI LANKA
GE India Industrial Pvt Ltd.
42/1, Electronic City Phase 2
Bangalore – 560100
Karnataka
India
Tel: (91) 80 41113000
Fax: (91) 80 28528366

INDONESIA
PT.GE Lighting Indonesia
Gedung BRI II,27 th Floor
Jl.Jenderal Sudirman Kav.
44-46,Jakarta 10210
Indonesia
Tel: (62) 21 574 5240
Fax: (62) 21 574 5241

IRELAND
GE Lighting Ltd.
280 Holly Road
Western Industrial Estate
Naas Road
Dublin 12
Ireland
Tel: (353) 1 456 5591
Fax: (353) 1 450 4142

ITALY
GE Lighting Srl
Centro Dir. Colleoni
Palazzo Andromeda B1 – 3˚ P
via Paracelso 16
20864 – Agrate Brianza (MB)
N. Verde Nord 800977820
N. Verde Centro - Sud 800977821
Tel: (39) 02 37027700
Fax: (39) 02 37027777

ISRAEL
GE Hungary
Váci út 77
1044 Budapest
Hungary
Tel: (36) 1 231 5280
Fax: (36) 1 231 5121

JAPAN
GE Consumer Products Japan, Ltd.
12F Akasaka Park Bldg., 5-2-20
Akasaka, Minatoku,
Tokyo 107-6112
Japan
Tel: (81) 3 5544 6700
Fax: (81) 3 5544 6760

KAZAKHSTAN
GE International Inc. Branch in Kazakhstan
Prime Business Center
Ul. Furmanova, 100G, Office 302
480091, Almaty
Kazakhstan
Tel: (7) 3272 588 010
Fax: (7) 3272 588 011

KOREA
GE Lighting Korea
9th Floor, POBA Gangnam Tower,
343,
Hakdong-ro (Nonhyundong 119)
Kangnam-Gu, Seoul,
135-820,Korea
Tel: (82) 2 6201 4300
Fax: (82) 2-6201-4343, 4344

MACEDONIA & ALBANIA
VSD Merkur d.o.o
ul.Vasil Glavinov 7b/3
1000 Skopje
Macedonia
T + 389 2 3244 790
F + 389 2 3244 797

MALAYSIA
General Electric International Inc.
Level 6, 1 Sentral,
Jalan Travers,
Kuala Lumpur Sentral,
50470 Kuala Lumpur
Malaysia
Tel: (60) 3 2273 9788
Fax: (60) 3 2273 3473

MEXICO
GE Lighting Mexico, SA de CV
Av. Churubusco No 3900 Norte
Apartado Postal 216
64510 Monterrey, N.L. Mexico
Mexico
Tel: (52) 8 318 5600
Fax: (52) 8 318 5693

MONTENEGRO
VSD Merkur dooel Sales
Representative of GE Hungary Kft.
Bul. Mihajla Pupina 10D/105
11070 Novi Beograd
Serbia
Tel: (381) 11 311 9256
Fax: (389) 2 324 4797

NEW ZEALAND
GE Lighting New Zealand
8 Tangihua St
Auckland 1010
New Zealand
Tel: (64) 9 353 6706
Fax: (64) 9 353 6707

NORTH AFRICA, CENTRAL AFRICA
GE Hungary
Váci út 77
1044 Budapest
Hungary
Tel: (36) 1 231 5280
Fax: (36) 1 231 5121

NORWAY
GE Lighting AS
Karenslyst Allé 2,
Postboks 589
0214 Oslo
Norway
Tel: (47) 80011321
Fax: (47) 80011048

PERU, ECUADOR
GE Lighting Peru SA
Amador Merino Reina 267 Of.902
San Isidro
Lima
Peru
Tel: (511) 610-4347
Fax: (511) 610-4330

PHILIPPINES
GE Lighting Philippines
1873 P. Domingo Street
1207 Makati City, Metro Manila
POB 2087 MCC
Philippines
Tel: (63) 2 895 7051
Fax: (63) 2 890 8186

POLAND AND BALTICS (EST, LIT, LAT)
Ul. Odrowąża 15
03-310 Warszawa
Phone for Poland
(48) 601 999 071
Phone for Baltics
(48) 601 999 836

PORTUGAL
GE Lighting Appliances España, s.a.
Av Galileo Galilei 11
Parque Empresarial La Carpetania
28906 getafe,Madrid
Spain
Freephone in Portugal:
(800) 836 010
Free fax in Portugal: (800) 836 007

ROMANIA, MOLDOVA
SC VSD Merkur Lighting Group SRL
Sales Representative of
GE Hungary Kft.
0407280 Floresti, Jud. Cluj
Str. Gheorghe Doja, Bl. 13, Ap. 1
Romania
Tel.: (40) 726 279 722
Fax: (40) 727 599 235

RUSSIA
GE Rus LLC
10 Presnenskaya nab.
Moscow 123317, Russia
T 7 495 739 6811
F 7 495 739 6801

SAUDI ARABIA
GE International Inc.CO
5th Floor, Tatweer Towers
King Fahad Road,
PO Box: 10211
Riyadh 11433
Saudi Arabia
Tel: (966 1) 207-3800
Fax: (966 1) 207-3900 & 207-3901

SERBIA
VSD MERKUR dooel Exclusive Agent of GE Hungary Kft.
Bul. Mihajla Pupina 10D/105
11070 Novi Beograd
Serbia
Tel: (381) 11 3119256
Fax: (381) 11 3119257

SINGAPORE, BRUNEI
GE Pacific Pte. Ltd.
240 Tanjong Pagar Road
#06-00 GE Tower
Singapore 088540
Singapore
Tel: (65) 6326 3319
Fax: (65) 6326 3015

SLOVENIA
Media Light d.o.o.
Exclusive agent of GE Hungary Kft.
Lighting and Power Protection
Cesta na Brdo 109
1000 Ljubljana
Slovenia
Tel: (386) 1 5304366
Fax: (386) 1 530 4361

SOUTH AFRICA
GE South Africa - Consumer and Industrial
Unit 4, 130 Gazelle Avenue,
Corporate Park
Midrand 1685
South Africa
Tel: (27) 11 237 0000
Fax: (27) 11 314 7518

SPAIN
GE Lighting Appliances España, s.a.,
Av Galileo Galilei 11
Parque Empresarial La Carpetania
28906 getafe,Madrid
Spain
Freephone in Spain: 900 993.612
Free fax in Spain: 900 993.609

SWEDEN
GE Lighting AB,
FE 306
Vendevägen 89
SE-182 82 Stockholm, Sweden
Tel: (46) 8 51 99 22 12
Fax: (46) 8 51 99 22 14

THAILAND, CAMBODIA, LAOS
GE Lighting (Thailand) Ltd.
1126/2 Vanit Building II, 16th Floor,
Room No. 1603, New Petchburi
Road, Makkasan, Rajchthewi,
Bangkok 10400
Thailand
Tel: (66) 2 255 8721-31
Fax: (66) 2 255 8733

TAIWAN
GE Lighting Taiwan
7FL, No 8, Sec 3, Min Sheng E. Rd,
Taipei, 104,
Taiwan
Tel: (886) 2 21837000
Fax: (886) 2 25167356

TURKEY
General Elektrik Turk Ltd.
Maslak Mah. Dereboyu Cad.
Bilim Sok. Sun Plaza No:5/6
34398 Sisli İstanbul
Turkey
Tel: (90) 212 366 28 00
Fax: (90) 212 366 28 40

UKRAINE
General Electric Co.
Horizont Tower
42/44 Shovkovichna str., 8 Floor
Kiev 01004
Ukraine
Tel: (380) 44 490 69 83
Fax: (380) 44 490 69 82

UNITED KINGDOM
GE Lighting Ltd.
Houghton Centre
Northampton
NN4 7EX
United Kingdom
Tel: (44) 800 169 8290
Fax: (44) 800 169 8284

UNITED STATES OF AMERICA
GE Lighting
Nela Park, 1975 Noble Road
Cleveland, Ohio 44112
USA
Tel: (1) 216 266 2121
Fax: (1) 216 266 2780

VENEZUELA
Av. Guaicaipuro con Ppal de las Mercedes
Torre Forum Piso 15 Municipio Chacao-El Rosal
CARACAS
Venezuela
Tel: (58) 212 902 5131
Fax: (58) 212 902 5158

VIETNAM
GE Consumer & Industrial
7fl, Saigon Centre, 65 Le Loi blv,
Dist.1,
Hochiminh City,
Vietnam
Tel: (84) 4 8251016
Fax: (84) 4 8250551

GE Lighting is constantly developing and improving its products. For this reason, all product descriptions in this brochure are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, GE Lighting cannot accept any liability arising from the reliance on such data to the extent permitted by law. Outdoor Solutions catalogue – April 2013.

www.gelighting.com

and General Electric are both registered trademarks
of the General Electric Company