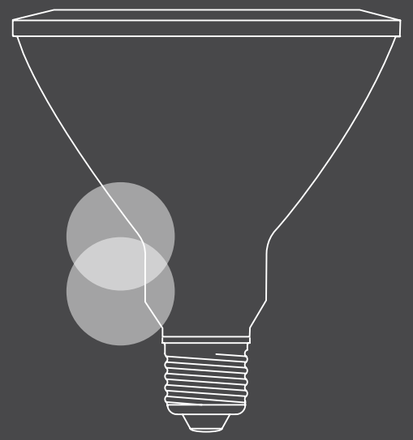
GE Lighting

Spectrum

Product catalogue

2016



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.

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www.gelighting.com

Contents

Introduction

New technologies for a changing world

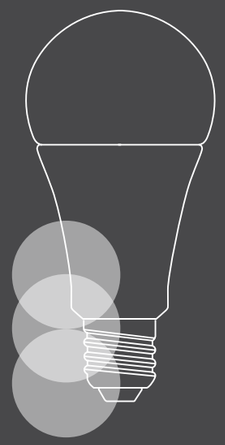
From the first affordable incandescent lamp to today's LEDs, GE Lighting is a company with a heritage built on technological innovation

We have been at the forefront of every development in lighting from tungsten, HID mercury and fluorescent to quartz halogen and compact fluorescents. And in the same way that we took these breakthrough technologies from the laboratory to the world's streets, homes, stores and offices, so are we now doing the same with LED.

This commercialisation is important. We don't develop new technologies for the sake of it, we do it to enable the world to do things better. Lighting isn't just an overhead, a figure of the 'cost' side of the balance sheet; it is also an extraordinarily powerful tool that affects the way we feel and influences the way we respond to the world around us.

These are just some of the ways in which today's lighting technologies are helping to deliver additional value:

- More productive offices
- Safer streets
- Extended shelf life of fresh products
- Fewer road accidents
- Increased retail sales
- Enhanced architectural features
- More welcoming public spaces
- Relaxed hospitality environments
- Reduced light pollution



Smart systems for even greater benefit

We are working on solutions to broader issues too, developing technologies that extend the benefits of LED lighting systems beyond simple illumination.

The evolution of modern day LED lighting systems can be broken down into three key phases. The first saw the arrival of LED lighting as a mainstream technology, improving the quality of light while at the same time reducing energy costs.

Secondly, we saw the development of the control systems that enable savings and system enhancements through dimming and daylight harvesting.

Today we are entering a third phase, where lighting systems integrate directly into the digital network and play a central role in what has become known as the Internet of Things.

Innovative solutions based on intelligent networks

This will dramatically change the way we think of lighting. Instead of being a passive utility to be switched on and off as required, lighting systems will interact with other technologies to deliver a range of benefits unimaginable just a few short years ago.

These are two of the systems we have already introduced – others will follow:

INDOOR POSITIONING SYSTEM

Indoor location technology embedded inside LED lighting fixtures enables lighting systems to communicate with nearby smartphones, delivering information or offers specific to the recipient's location. Applications include retail and hospitality industries as well as museums and galleries.

LIGHTGRID™

This is a groundbreaking outdoor wireless control system for street and roadway lights. The system allows for remote operation and monitoring of all lighting fixtures through a Web-enabled central management system. The result is energy saving through precise dimming schedules based on need, and more efficient maintenance.

Reassurance of proven performance

The rapid pace of change within the lighting industry has seen the arrival of players without our stability, technical expertise and commitment to innovation.

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 lead the way in terms of standardisation of design, giving you the confidence of knowing that your investment is protected.

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.

Tower Bridge London

GE SOLUTIONS:
LED Architectural Systems, Flood LED

GE LED

Aesthetics, economy and sustainability

Advances in lighting technology – in particular the arrival of LED alternatives to traditional lamps – make it possible to create dramatically improved lighting systems and at the same time drive significant reductions in the carbon footprint and environmental impact of every street, office, retail store or public building.

How is this possible? Firstly, the vastly superior energy efficiency of LED lamps compared with traditional technologies brings immediate running cost savings of up to 90%, and a similar reduction in carbon footprint.

Secondly, the outstanding performance of LED lighting – quality of light, output and efficacy (lm/W) – and high reliability means a longer life, lower maintenance requirements and reduced relamping costs.

In addition to this, the development of advanced control tools such as daylight harvesting and presence detection systems builds on this inherent efficiency to deliver even greater cost and energy savings.

Global leadership, innovative solutions

The sheer breadth of our LED product range means we're able to deliver complete solutions that offer fantastic aesthetics, sustainability, performance and economy.

As a global leader, we take our responsibilities very seriously indeed and are working to develop the innovative lighting solutions that will be essential to a more competitive low-carbon economy.

Lower energy lamps, longer lasting lamps, less harmful materials... they're all ways in which we are helping customers and end users take significant steps towards reducing the carbon footprint and environmental impact of everyday life.

How many lumens do you need?

LED	eCFL	Halogen	Incandescent	Brightness LUMENS
4W	5W	20W	25W	220+
6W	8W	30W	40W	400+
10W	12W	42W	60W	700+
13W	15W	53W	75W	900+
18W	23W	70W	100W	1300+

- Up to 90% greater energy efficiency
- Reduced CO_2 emissions vs. older technologies
- Longer life and reduced maintenance requirements
- Environmentally-friendly: mercury free, lead free
- No UV or IR emissions

UP TO 90% GREATER ENERGY EFFICIENCY

REDUCED CO_2 EMISSIONS VS. OLDER TECHNOLOGIES

SMART CONTROLS FOR EVEN GREATER COST/ ENERGY SAVINGS

LED Retrofit

LED Retrofit Solutions

LED Retrofit Solutions

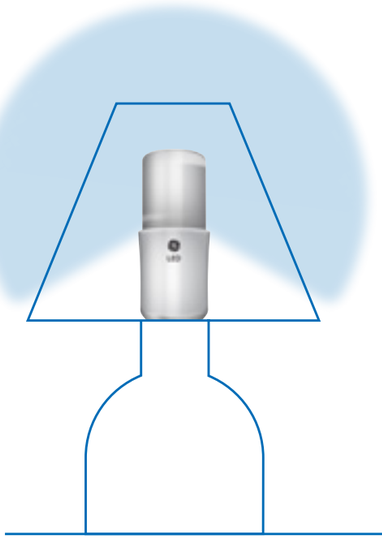
The game-changing impact of LED

LED has taken lighting into the digital age. The world of lamps and ballasts has become the universe of chips and drivers; analogue technology has become digital. The significance of this change cannot be overstated. It has transformed the lighting industry.

The challenge for many users – from the consumer looking to replace a handful of lamps at home to the purchasing manager responsible for a nationwide chain of retail stores – has been when to take the plunge and upgrade from traditional technologies to the world of LED.

Here at GE we've made this transition as seamless as possible through the introduction of cost-effective retrofit solutions, products that offer a quick, easy and reliable replacement for less efficient lamps.

In short, our comprehensive range of LED Retrofit Lamps opens the door to the wealth of benefits offered by this technology – outstanding performance, long life and low energy use – without the need to invest in new fittings.



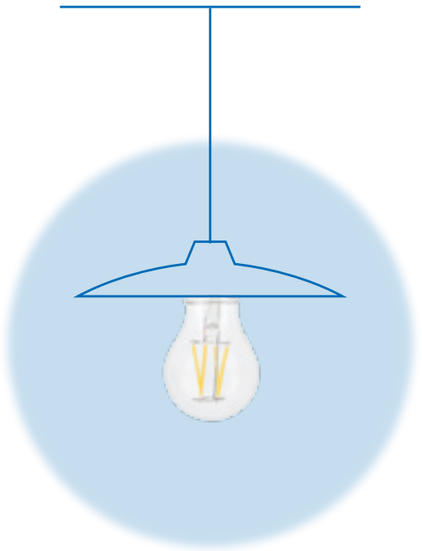
- Easy installation
- Energy savings up to 90% vs. traditional technologies
- Long life – up to 50 000 hours
- Low maintenance/replacement costs
- Future proof modular options
- Instant light, no warm-up time

EASY INSTALLATION

LONG LIFE –UP TO 50 000 HOURS

FUTURE PROOF MODULAR OPTIONS

LED lighting for everywhere



The introduction of our latest ranges has made selecting the right product easier than ever, with LED Retrofit Lamp ranges for almost every requirement. Whatever the specific requirements of your industry or application, we have the breadth of range to meet it.

CCT

CCT describes how warm or cold a light feels.
This is extremely important in lighting design as it plays a major role in determining mood and attracting sales.

Colour Rendering Index

Colour Rendering Index – or CRI – is a measurement of how true the colour of an object appears compared with how it would look under natural sunlight. From fresh produce to fashion, from galleries to gastronomy, we can deliver what you need.

Beam angle

From the wide beam required for general illumination to the narrow spotlight for feature lighting to accentuate a particular product or area, we can provide an extensive choice to meet any requirement.

CCT

COLOUR RENDERING INDEX

BEAM ANGLE

Wyndham Grand Regency Qatar
GE SOLUTIONS:
LED Energy Smart™ GU10 Dimmable

LED Retrofit

LED Retrofit Solutions

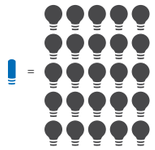
LED Lamps

Choose from our most comprehensive LED range

LED technology has changed the world of lighting forever, delivering major savings in energy, instant illumination and a working life up to 25x longer than incandescent lamps.

At GE we've made selecting the right product easier than ever, with LED Retrofit Lamp ranges for every need, from low cost to high performance.

At the top of the range we have our Precise™ Lamps, offering high output and great aesthetics. Next there's our extremely popular Energy Smart™ range, combining the best of both worlds: impressive performance and outstanding efficiency. And for applications requiring maximum affordability, choose our functional LED Start range.



LED LAMPS LAST UP TO 25X LONGER THAN INCANDESCENT LAMPS

UP TO 80-90% ENERGY SAVING

REDUCED MAINTENANCE COSTS

GE LED Precise™

Very long operating life

Premium performance Precise™ range for aesthetics, energy efficiency, high lumen output and long operating life.

- Premium products with superior performance
- High lumen output and energy efficiency
- Superior colour quality with CRI up to 90
- Very long operating life: L70 45 000 h+
- Optimised dimming function and compatibility

★★★★★

GE LED Energy Smart™

Outstanding efficiency

Mainstream Energy Smart™ range for applications requiring high performance, reliability and efficiency.

- High quality performance and reliability
- Available in General, Decorative and Spotlights
- Wide range of base, finish and beam angles
- Outstanding efficiency: 80-90% energy saving
- Reduced maintenance costs for improved ROI

★★★★

GE LED Start

Dependable operation and reliability

Affordable Start range – functional design for dependable operation and reliable performance.

- Standard performance specifications
- Dependable operation and reliability
- Functional and economical design

★★★

LED Retrofit Solutions

LED Tubes

Quick and easy switch to energy-saving LED

Our unique range of LED Tubes provides a quick and convenient upgrade path for installations of all kinds, allowing users to convert existing T8 Linear Fluorescent Lamps (LFLs) to high quality, energy efficient LED lighting with a simple switch.

With products available in plastic and glass design options compatible with magnetic gears in all standards lengths and/or electronic gears (1200mm length only), upgrading from LFL couldn't be easier.

Significant cost savings

- Energy savings of up to 60% or more
- Low power consumption
- High lumens means fewer luminaires required

Reduced maintenance

- 2.5x longer life vs. fluorescents on electro-magnetic gear
- Excellent lumen maintenance
- Extra long relamping cycles

Reliable, high quality light

- Instant on, no flicker
- Excellent colour rendering CRI 80+
- Colour options 3000/4000/6500K

Quick and easy installation

- Plug-and-play products
- 600, 1200 and 1500 mm tubes
- Fit directly into standard T8 LFL G13 sockets
- Rotatable base to adjust lamp into perfect position

Environmentally friendly solutions

- Extremely energy efficient
- Reduced carbon footprint
- No harmful lead or mercury
- Fully compliant with material restriction requirements of RoHS

LED Retrofit Solutions

LED Plug-in

LED replacements for plug-and-play simplicity

Our range of LED Plug-in products offers quick and cost-effective replacement options for 26W and 32W CFL Plug-in lamp without the need for tools.

GE LED Plug-in replacement lamps provide 2.5x the life of an average CFL and use only half the energy, delivering a more targeted light that requires fewer lumens and reduces waste. The result is a dramatic reduction in operating costs, coupled with equally impressive improvements in the quality of light.

With simple and reliable plug-and-play installation for both horizontal and vertical configurations, this is an extremely attractive and easy upgrade option.

Significant cost savings

- Energy savings of up to 60%
- More targeted light

Long life, low maintenance

- 2.5x longer life vs. average CFL
- Reduced maintenance costs
- Excellent lumen maintenance

Reliable, high quality light

- Instant on, no flicker
- Excellent colour rendering CRI 80+
- Colour options 2700/3000/4000/6500K

Quick and easy installation

- Available for both horizontal and vertical configuration
- Plug-and-play for G24q-3 or GX24q-3 CFL sockets without costly upgrades
- No installation tools required

Environmentally friendly solutions

- Extremely energy efficient
- Reduced carbon footprint
- No harmful lead or mercury
- Fully compliant with material restriction requirements of RoHS

Grosvenor House Dubai

GE SOLUTIONS:
LED Precise™ MR16, LED drivers

LED Retrofit Solutions

Product overview

LED GU10

Precise™ | Energy Smart™ | Start

Precise™ GU10 Dimmable

Cap: GU10
Wattage: 6W
Voltage: 220 – 240V
Beam Spread: 25 – 35°
Rated life: 50 000 h

Energy Smart™ GU10 Dimmable

Cap: GU10
Wattage: 5.5W, 3.5W
Voltage: 220 – 240V
Beam Spread: 35°
Rated life: 25 000 h

Start GU10

Cap: GU10
Wattage: 4.5W, 3W
Voltage: 100 – 240V
Beam Spread: 35°
Rated life: 12 000 h

LED MR16

Precise™ MR16 Dimmable

Cap: GU5.3
Wattage: 7W
Voltage: 12V
Beam Spread: 25 – 35°
Rated life: 45 000 h

Energy Smart™ MR16

Cap: GU5.3
Wattage: 7W, 5.5W
Voltage: 12V
Beam Spread: 35°
Rated life: 25 000 h

LED R111

Energy Smart™ R111

Cap: G53
Wattage: 12W
Voltage: 12V
Beam Spread: 35°
Rated life: 30 000 h

Energy Smart™ R111 Dimmable

Cap: G53
Wattage: 12W, 15W
Voltage: 12V
Beam spread: 35°
Rated life: 30 000 h

LED Retrofit

Precise™ | Energy Smart™ | Start

LED PAR

Precise™ PAR30 Dimmable

Cap: E27
Wattage: 12W
Voltage: 220 – 240V
Beam Spread: 35°
Rated life: 40 000 h

Energy Smart™ PAR38

Cap: E27
Wattage: 15W
Voltage: 90 – 240V
Beam Spread: 40°
Rated life: 25 000 h

Start R50

Cap: E14
Wattage: 3W
Voltage: 100 – 240V
Beam Spread: 35°
Rated life: 15 000 h

Precise™ R63/PAR20 Dimmable

Cap: E27
Wattage: 7W
Voltage: 220 – 240V
Beam Spread: 35°
Rated life: 40 000 h

Energy Smart™ PAR16/R50

Cap: E14, E27
Wattage: 3.5W
Voltage: 220 – 240V
Beam Spread: 35°
Rated life: 25 000 h

LED GLS

Filament

Cap: E27
Wattage: 4W
Voltage: 220 – 240V
Rated life: 10 000 h

Bright Stik™

Cap: E27
Wattage: 6W, 10W, 16W
Voltage: 100 – 240V
Rated life: 15 000 h

Energy Smart™ Omni Dimmable

Cap: E27, B22
Wattage: 14W, 11W, 7W
Voltage: 220 – 240V
Rated life: 25 000 h

Start GLS

Cap: E27, B22
Wattage: 16W, 13W, 10W, 7W
Voltage: 100 – 240V
Rated life: 25 000 h

LED Retrofit Solutions

Product overview

Energy Smart™ — Start

LED Candle

Energy Smart™ Crown Deco Dimmable

Cap: E14, E27, B22
Wattage: 6W, 4W
Voltage: 220 – 240V
Rated life: 20 000 h

Energy Smart™ Crown Deco Dimmable

Cap: E14, E27, B22, B15
Wattage: 6W, 4W
Voltage: 220 – 240V
Rated life: 20 000 h

Start Candle

Cap: E14, E27
Wattage: 3.5W
Voltage: 100 – 240V
Finish: White
Rated life: 15 000 h

LED Spherical, Globe

Energy Smart™ Crown Deco Dimmable

Cap: E14, E27, B22
Wattage: 6W, 4W
Voltage: 220 – 240V
Rated life: 20 000 h

Energy Smart™ Crown Deco Dimmable

Cap: E14, E27, B22
Wattage: 6W, 4.5W
Voltage: 220 – 240V
Rated life: 20 000 h

Start Spherical

Cap: E14, E27
Wattage: 3.5W
Voltage: 100 – 240V
Finish: White
Rated life: 15 000 h

Energy Smart™

LED Pygmy, Capsules

Energy Smart™ Pygmy

Cap: E14
Wattage: 1.6W
Voltage: 100 – 240V
Rated life: 15 000 h

Energy Smart™ Capsule G4

Cap: G4
Wattage: 1.6W
Voltage: 100 – 240V
Rated life: 15 000 h

Energy Smart™ Capsule G9

Cap: G9
Wattage: 2.5W
Voltage: 100 – 240V
Rated life: 15 000 h

Premium universal — Basic — Glass

LED T8 Tube

LED T8 Premium Universal

Cap: G13
Wattage: 18W
Voltage: 100 – 277V
Rated life: 40 000 h

LED T8 Basic

Cap: G13, G13 Rot
Wattage: 8W, 10W, 16W, 20W, 27W
Voltage: 100 – 240V
Rated life: 40 000 h

LED T8 Glass Rotatable

Cap: G13 Rot
Wattage: 8W, 10W, 14,5W, 18W, 27W
Voltage: 100 – 240V
Rated life: 40 000 h

LED T8 Glass

Cap: G13
Wattage: 8W, 10W, 14,5W, 18W, 27W
Voltage: 100 – 240V
Rated life: 40 000 h

LED Plug-ins

LED Plug-in

LED 4 pin Plug-in*

Cap: G24q-3
Wattage: 12.5W
Rated life: 50 000 h
Position: Vertical

* Lamp can't be operated directly from Mains voltage, an electronic ballast is needed

LED 4 pin Plug-in*

Cap: G24q-3
Wattage: 12.5W
Rated life: 50 000 h
Position: Horizontal

* Lamp can't be operated directly from Mains voltage, an electronic ballast is needed

LED Retrofit Solutions / LED Lamps

Model	Wattage (W)	Watt Replacement	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Dimming Capability	Beam Angle (°)	CRI (Ra)	Rated life L70/B50 (h)	EEC	Diameter (mm)	Length (mm)	Pack Qty
Energy Smart™ - LED Filament															
1	4	40	E27	LED4/A60 FIL/827/220-240V/E27 H	93021980	420	2700	No	355	80	15 000	A++	60	115	6
Start - Bright Stik™															
2	6	40	E27	LED 6/STIK/830/100-240/E27/F 3/15	93023175	470	3000	No	240	80	15 000	A+	37	116	15
3	6	40	B22	LED 6/STIK/830/100-240/B22/F 3/15	93032230	470	3000	No	240	80	15 000	A+	37	116	15
2	6	40	E27	LED 6/STIK/840/100-240/E27/F 3/15	93023174	470	4000	No	240	80	15 000	A+	37	116	15
2	6	40	E27	LED 6/STIK/865/100-240/E27/F 3/15	93032231	470	6500	No	240	80	15 000	A+	37	116	15
3	10	60	B22	LED10/STIK/830/100-240/B22/F 3/15	93023171	810	3000	No	240	80	15 000	A+	37	115	15
2	10	60	E27	LED10/STIK/830/100-240/E27/F 1/15	93024033	810	3000	No	240	80	15 000	A+	37	116	15
2	10	60	E27	LED10/STIK/830/100-240/E27/F 3/15	93023173	810	3000	No	240	80	15 000	A+	37	116	15
2	10	60	E27	LED10/STIK/840/100-240/E27/F 1/15	93032233	810	4000	No	240	80	15 000	A+	37	116	15
2	10	60	E27	LED10/STIK/840/100-240/E27/F 3/15	93023172	810	4000	No	240	80	15 000	A+	37	116	15
2	10	60	E27	LED10/STIK/865/100-240/E27/F 1/15	93024034	810	6500	No	240	80	15 000	A+	37	116	15
2	10	60	E27	LED10/STIK/865/100-240/E27/F 3/15	93023110	810	6500	No	240	80	15 000	A+	37	116	15
3	16	100	E27	LED16/STIK/830/100-240/B22/F 2/10	93023112	1 521	3000	No	240	80	15 000	A+	45	136	10
2	16	100	E27	LED16/STIK/830/100-240/E27/F 1/15	93024035	1 521	3000	No	240	80	15 000	A+	45	136	15
2	16	100	E27	LED16/STIK/830/100-240/E27/F 2/10	93023114	1 521	3000	No	240	80	15 000	A+	45	136	10
2	16	100	E27	LED16/STIK/840/100-240/E27/F 2/10	93023113	1 521	4000	No	240	80	15 000	A+	45	136	10
2	16	100	E27	LED16/STIK/865/100-240/E27/F 1/15	93024037	1 521	6500	No	240	80	15 000	A+	45	136	15
2	16	100	E27	LED16/STIK/865/100-240/E27/F 2/10	93023111	1 521	6500	No	240	80	15 000	A+	45	136	10
Start - GLS Snowcone															
4	7	40	B22	LED 7/A60/827/100-240V/B22/F HBX1/6	93020196	470	2700	No	160	80	25 000	A+	60	107	6
5	7	40	E27	LED 7/A60/827/100-240V/E27/F HBX1/6	93020197	470	2700	No	160	80	25 000	A+	60	109	6
5	7	40	E27	LED 7/A60/865/100-240V/E27/F HBX1/6	93020198	500	6500	No	160	80	25 000	A+	60	109	6
4	10	60	B22	LED10/A60/827/100-240V/B22/F HBX1/6	93020371	810	2700	No	160	80	25 000	A+	60	107	6
5	10	60	E27	LED10/A60/827/100-240V/E27/F HBX1/6	93020372	810	2700	No	160	80	25 000	A+	60	109	6
4	10	60	B22	LED10/A60/840/100-240V/B22/F HBX1/6	93020205	810	4000	No	160	80	25 000	A+	60	107	6
5	10	60	E27	LED10/A60/840/100-240V/E27/F HBX1/6	93020210	810	4000	No	160	80	25 000	A+	60	109	6
5	10	60	E27	LED10/A60/865/100-240V/E27/F HBX 1/6	93020209	850	6500	No	160	80	25 000	A+	60	109	6
6	13	75	B22	LED13/A67/827/100-240V/B22/F HBX1/6	93020208	1 055	2700	No	160	80	25 000	A+	67	107	6
7	13	75	E27	LED13/A67/827/100-240V/E27/F HBX1/6	93019930	1 055	2700	No	160	80	25 000	A+	67	141	6
6	13	75	B22	LED13/A67/840/100-240V/B22/F HBX1/6	93020206	1 055	4000	No	160	80	25 000	A+	67	139	6
7	13	75	E27	LED13/A67/840/100-240V/E27/F HBX1/6	93020207	1 055	4000	No	160	80	25 000	A+	67	141	6
7	13	75	E27	LED13/A67/865/100-240V/E27/F HBX 1/6	93020204	1 150	6500	No	160	80	25 000	A+	67	141	6
6	16	100	B22	LED16/A67/827/100-240V/B22/F HBX1/6	-*	1 521	2700	No	160	80	15 000	A+	67	139	6
7	16	100	E27	LED16/A67/827/100-240V/E27/F HBX1/6	-*	1 521	2700	No	160	80	15 000	A+	67	141	6
7	16	100	E27	LED16/A67/865/100-240V/E27/F HBX1/6	93020296	1 521	6500	No	160	80	25 000	A+	67	141	6

* Please contact your local account manager.

Product Description - explanation
For further information check the glossary

LED	7	A60	8	65	100-240V	E27	F
	Identifies Lamp wattage	Identifies the lamp type	CRI	CCT	Voltage	Identifies the cap type	Identifies the finish of the lamp F=FR=Frosted C=CLS=Clear

1 2 3 4 5 6 7

LED Retrofit Solutions / LED Lamps

Wattage (W)	Watt Replacement	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Dimming Capability	Beam Angle (°)	CRI (Ra)	Rated life L70/B50 (h)	EEC	Diameter (mm)	Length (mm)	Pack Qty	Model
Energy Smart™ - GLS OMNI															
7	40	B22	LED 7D/GLS OMNI/827/220-240V/B22 HBX	93010268	470	2700	Yes	240	80	25 000	A+	60	108	6	8
7	40	E27	LED 7D/GLS OMNI/827/220-240V/E27 HBX	93010067	470	2700	Yes	240	80	25 000	A+	60	109	6	9
11	60	B22	LED11D/GLS OMNI/827/220-240V/B22 HBX	93010312	810	2700	Yes	240	80	25 000	A+	60	108	6	8
11	60	E27	LED11D/GLS OMNI/827/220-240V/E27 HBX	93010267	810	2700	Yes	240	80	25 000	A+	60	109	6	9
14	75	B22	LED14D/GLS OMNI/827/220-240V/B22 HBX	96548	1 100	2700	Yes	240	80	25 000	A+	67	133	6	10
14	75	E27	LED14D/GLS OMNI/827/220-240V/E27 HBX	96547	1 100	2700	Yes	240	80	25 000	A+	67	134	6	11
Start - DECO Candle															
3.5	25	E14	LED3.5/B35/827/E14/100-240V/FR 1/10	93012862	250	2700	No	–	80	15 000	A+	35	104	10	12
Start - DECO Spherical															
3.5	25	E14	LED3.5/P45/827/E14/100-240V/FR 1/6	93012863	250	2700	No	–	80	15 000	A+	45	85	6	13
3.5	25	E27	LED3.5/P45/827/E27/100-240V/FR 1/6	93012864	250	2700	No	–	80	15 000	A+	45	78	6	13
Energy Smart™ - CROWN DECO Candle															
4	25	B22	LED4D/P45/827/B22/220-240V/FR 1/6	93030255	270	2700	Yes	240	80	20 000	A+	42	76	10	14
4	25	E14	LED4D/P45/827/E14/220-240V/CLS 1/6	93030256	270	2700	Yes	160	80	20 000	A+	42	76	10	14
4	25	E14	LED4D/P45/827/E14/220-240V/FR 1/6	93030257	270	2700	Yes	240	80	20 000	A+	42	76	10	14
4	25	E27	LED4D/P45/827/E27/220-240V/CLS 1/6	93030258	270	2700	Yes	160	80	20 000	A+	42	76	10	14
4	25	E27	LED4D/P45/827/E27/220-240V/FR 1/6	93030259	270	2700	Yes	240	80	20 000	A+	42	76	10	14
6	40	E14	LED6D/P45/827/E14/220-240V/CLS 1/6	93030263	470	2700	Yes	160	80	20 000	A+	45	90	10	14
6	40	E14	LED6D/P45/827/E14/220-240V/FR 1/6	93030264	470	2700	Yes	240	80	20 000	A+	45	90	10	14
6	40	E27	LED6D/P45/827/E27/220-240V/CLS 1/6	93030265	470	2700	Yes	160	80	20 000	A+	45	90	10	14
6	40	E27	LED6D/P45/827/E27/220-240V/FR 1/6	93030266	470	2700	Yes	240	80	20 000	A+	45	90	10	14
6	40	E14	LED6D/B38/827/E14/220-240V/FR 1/10	93030252	470	2700	Yes	240	80	20 000	A+	38	112	10	14
6	40	E27	LED6D/B38/827/E27/220-240V/CLS 1/10	93030253	470	2700	Yes	160	80	20 000	A+	38	112	10	14
6	40	E27	LED6D/B38/827/E27/220-240V/FR 1/10	93030254	470	2700	Yes	240	80	20 000	A+	38	112	10	14
Energy Smart™ - CROWN DECO Spherical															
4	25	B22	LED4D/P45/827/B22/220-240V/FR 1/6	93030255	270	2700	Yes	240	80	20 000	A+	42	76	10	15
4	25	E14	LED4D/P45/827/E14/220-240V/CLS 1/6	93030256	270	2700	Yes	160	80	20 000	A+	42	76	10	15
4	25	E14	LED4D/P45/827/E14/220-240V/FR 1/6	93030257	270	2700	Yes	240	80	20 000	A+	42	76	10	15
4	25	E27	LED4D/P45/827/E27/220-240V/CLS 1/6	93030258	270	2700	Yes	160	80	20 000	A+	42	76	10	15
4	25	E27	LED4D/P45/827/E27/220-240V/FR 1/6	93030259	270	2700	Yes	240	80	20 000	A+	42	76	10	15
6	40	E14	LED6D/P45/827/E14/220-240V/CLS 1/6	93030263	470	2700	Yes	160	80	20 000	A+	45	90	10	15
6	40	E14	LED6D/P45/827/E14/220-240V/FR 1/6	93030264	470	2700	Yes	240	80	20 000	A+	45	90	10	15
6	40	E27	LED6D/P45/827/E27/220-240V/CLS 1/6	93030265	470	2700	Yes	160	80	20 000	A+	45	90	10	15
6	40	E27	LED6D/P45/827/E27/220-240V/FR 1/6	93030266	470	2700	Yes	240	80	20 000	A+	45	90	10	15

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LED Retrofit Solutions / LED Lamps

Model	Wattage (W)	Watt Replacement	Cap	Product Description	Product Code	Nominal lumens	CCT (K)	Dimming Capability	Beam Angle (°)	CRI (Ra)	Rated life L70/B50 (h)	EEC	Diameter (mm)	Length (mm)	Pack Qty
Energy Smart™ - CAPSULE G4/G9															
1	1.6	15	G4	LED1.6/G4/827/12V/BL 1/10	93019426	150	2700	No	240	80	15 000	A++	14	38	10
2	2.5	20	G9	LED2.5/G9/827/220-240V/BL 1/10	93019427	200	2700	No	240	80	15 000	A++	18	52	10
Energy Smart™ - PYGMY															
3	1.6	15	E14	LED1.6/T25/827/100-240V/E14/F	93022938	140	2700	No	–	80	15 000	A++	25	59	10
3	1.6	15	E14	LED1.6/T25/865/100-240V/E14/F	93022937	150	6500	No	–	80	15 000	A++	25	59	200
Start - GU10 & E14															
4	3	40	E14	LED3/R50/827//E14/100-240V/35/BX1/8	84609	230	2700	No	35	80	15 000	A++	50	76	8
5	3	35	GU10	LED3/GU10/827/100-240V/35/BX 1/8	93031285	230	2700	No	35	80	12 000	A++	50	54	8
5	3	35	GU10	LED3/GU10/827/100-240V/35/TWBX	93034626	230	2700	No	35	80	12 000	A++	50	54	12
5	3	35	GU10	LED3/GU10/830/100-240V/35/BX 1/8	93031289	240	3000	No	35	80	12 000	A++	50	54	8
5	3	35	GU10	LED3/GU10/840/100-240V/35/BX 1/8	93031288	250	4000	No	35	80	12 000	A++	50	54	8
5	4.5	50	GU10	LED4.5/GU10/827/100-240V/35/BX 1/8	93031287	345	2700	No	35	80	12 000	A+	50	54	8
5	4.5	50	GU10	LED4.5/GU10/830/100-240V/35/BX 1/8	93031290	360	3000	No	35	80	12 000	A+	50	54	8
5	4.5	50	GU10	LED4.5/GU10/840/100-240V/35/BX 1/8	93031411	365	4000	No	35	80	12 000	A++	50	54	8
5	3	35	GU10	LED3/GU10/827/100-240V/35/BL 1/8	93031284	230	2700	No	35	80	12 000	A++	50	54	8
5	4.5	50	GU10	LED4.5/GU10/827/100-240V/35/BL 1/8	93031286	345	2700	No	35	80	12 000	A++	50	54	8
Energy Smart™ - GU10 & E14/E27															
6	3.5	35	GU10	LED3.5D/GU10G/827/220-240V/35/BX 1/8	84611*	240	2700	Yes	35	80	25 000	A+	50	54	8
6	3.5	35	GU10	LED3.5D/GU10G/830/220-240V/35/BX 1/8	84612*	250	3000	Yes	35	80	25 000	A+	50	54	8
6	3.5	35	GU10	LED3.5D/GU10G/840/220-240V/35/BX 1/8	84615*	260	4000	Yes	35	80	25 000	A+	50	54	8
7	3.5	40	E14	LED3.5D/R50G/827/E14/220-240V/35BX1/8	84618	240	2700	Yes	35	80	25 000	A+	50	76	8
8	3.5	40	E27	LED3.5D/P16G/827/E27/100-240V/35BX1/8 ES	93010611	240	2700	Yes	35	80	25 000	A+	50	76	8
6	5.5	50	GU10	LED5.5D/GU10G/827/220-240V/35/BX 1/8	84619	360	2700	Yes	35	80	25 000	A+	50	54	8
6	5.5	50	GU10	LED5.5D/GU10G/830/220-240V/35/BX 1/8	84620	370	3000	Yes	35	80	25 000	A+	50	54	8
6	5.5	50	GU10	LED5.5D/GU10G/840/220-240V/35/BX 1/8	84622	400	4000	Yes	35	80	25 000	A+	50	54	8
6	3.5	35	GU10	LED3.5D/GU10G/827/220-240V/35/BL 1/8	84617*	240	2700	Yes	35	80	25 000	A+	50	54	8
6	5.5	50	GU10	LED5.5D/GU10G/827/220-240V/35/BL 1/8	84623	360	2700	Yes	35	80	25 000	A+	50	54	8

* Will be discontinued from Q4 2016

Model	Wattage (W)	Watt Replacement	Cap	Product Description	Product Code	Nominal lumens	CCT (K)	Dimming Capability	Beam Angle (°)	CRI (Ra)	Rated life L70/B50 (h)	EEC	Diameter (mm)	Length (mm)	Pack Qty
Precise™ - GU10															
6	6	50	GU10	LED6D/GU10G/927/220-240V/FL BX 1/10H PR	93025596	400	2700	Yes	25	90	50 000	A+	50.2	54	10
6	6	50	GU10	LED6D/GU10G/927/220-240V/WFL BX 1/10H PR	93025595	400	2700	Yes	35	90	50 000	A+	50.2	54	10
6	6	50	GU10	LED6D/GU10G/930/220-240V/FL BX 1/10H PR	93025594	420	3000	Yes	25	90	50 000	A+	50.2	54	10
6	6	50	GU10	LED6D/GU10G/930/220-240V/WFL BX 1/10H PR	93025546	420	3000	Yes	35	90	50 000	A+	50.2	54	10
6	6	50	GU10	LED6D/GU10G/940/220-240V/FL BX 1/10H PR	93025545	440	4000	Yes	25	90	50 000	A+	50.2	54	10
6	6	50	GU10	LED6D/GU10G/940/220-240V/WFL BX 1/10H PR	93025544	440	4000	Yes	35	90	50 000	A+	50.2	54	10

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LED Retrofit

LED Retrofit Solutions / LED Lamps

Wattage (W)	Watt Replacement	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Dimming Capability	Beam Angle (°)	CRI (Ra)	Rated life L70/B50 (h)	Energy efficiency class (EEC)	Diameter (mm)	Length (mm)	Pack Qty	Model
Energy Smart™ - MR16															
5.5	35	MR16	LED5.5/MR16/827/12V/GU5.3/WFL BX 1/8	93018421	380	2700	No	35	80	25 000	A+	50	47.5	8	9
5.5	35	MR16	LED5.5/MR16/830/12V/GU5.3/WFL BX 1/8	93018422	400	3000	No	35	80	25 000	A+	50	47.5	8	9
5.5	35	MR16	LED5.5/MR16/840/12V/GU5.3/WFL BX 1/8	93018423	430	4000	No	35	80	25 000	A+	50	47.5	8	9
7	50	MR16	LED7/MR16/827/12V/GU5.3/WFL BX 1/8	93018424	500	2700	No	35	80	25 000	A+	50	47.5	8	10
7	50	MR16	LED7/MR16/830/12V/GU5.3/WFL BX 1/8	93018425	510	3000	No	35	80	25 000	A+	50	47.5	8	10
7	50	MR16	LED7/MR16/840/12V/GU5.3/WFL BX 1/8	93018426	550	4000	No	35	80	25 000	A+	50	47.5	8	10
Precise™ - MR16															
7	35	MR16	LED7D/MR16GD/827/12V/25 BX1/8	84635*	370	2700	Yes	25	80	45 000	A	50	51	8	11
7	35	MR16	LED7D/MR16GD/827/12V/35 BX1/8	84639*	370	2700	Yes	35	80	45 000	A	50	51	8	11
7	35	MR16	LED7D/MR16GD/830/12V/25 BX1/8	84640*	390	3000	Yes	25	82	45 000	A	50	51	8	11
7	35	MR16	LED7D/MR16GD/830/12V/35 BX1/8	84645*	390	3000	Yes	35	82	45 000	A	50	51	8	11
7	35	MR16	LED7D/MR16GD/840/12V/25 BX1/8	84647*	430	4000	Yes	25	83	45 000	A	50	51	8	11
7	35	MR16	LED7D/MR16GD/840/12V/35 BX1/8	84651*	430	4000	Yes	35	83	45 000	A	50	51	8	11
7	50	MR16	LED7XD/MR16DG/827/12V/25 BX 1/8	93029635	470	2700	Yes	25	80	45 000	A+	50	51.2	8	11
7	50	MR16	LED7XD/MR16DG/827/12V/35 BX 1/8	93021373	500	2700	Yes	35	80	45 000	A+	50	51.2	8	11
7	50	MR16	LED7XD/MR16GD/830/12V/25 BX1/8	93031283	490	3000	Yes	25	80	45 000	A+	50	51.2	8	11
7	50	MR16	LED7XD/MR16DG/830/12V/35 BX 1/8	93021372	530	3000	Yes	35	80	45 000	A+	50	51.2	8	11
7	50	MR16	LED7XD/MR16DG/840/12V/35 BX 1/8	93021371	570	4000	Yes	35	80	45 000	A+	50	51.2	8	11

* Will be discontinued from Q4 2016

Wattage (W)	Watt Replacement	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Dimming Capability	Beam Angle (°)	CRI (Ra)	Rated life L70/B50 (h)	Energy efficiency class (EEC)	Diameter (mm)	Length (mm)	Pack Qty	Model
Precise™ - PAR20/30															
7	60	E27	LED7D/R63G/927/220-240V/35/E27 BX 1/6	93011164	380	2700	Yes	35	90	40 000	A	63	93	6	12
7	60	E27	LED7D/R63G/930/220-240V/35/E27 BX 1/6	93011165	420	3000	Yes	35	90	40 000	A	63	93	6	12
12	75	E27	LED12D/P30SG/927/220-240V/35/E27BX1/6	93011166	720	2700	Yes	35	90	40 000	A	93	97	6	13
12	75	E27	LED12D/P30SG/930/220-240V/35/E27BX1/6	93011167	740	3000	Yes	35	90	40 000	A	93	97	6	13
Energy Smart™ - PAR38															
18	140	E27	LED18/P38/827/90-240V/25/E27 BX 1/6	13387*	1 200	2700	No	25	84	40 000	A+	123	132	6	14
15	140	E27	LED15/PAR38G/830/90-240/E27/WFL BX 1/6	93013421	1 200	2700	No	40	81	25 000	A+	122	131	6	14

* Will be discontinued from Q4 2016

Wattage (W)	Watt Replacement	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Dimming Capability	Beam Angle (°)	CRI (Ra)	Rated life L70/B50 (h)	Energy efficiency class (EEC)	Diameter (mm)	Length (mm)	Pack Qty	Model
Energy Smart™ - R111															
12	75	G53	LED12/R111/827/12V/G53/35 BX 1/10	11540	700	2700	No	35	80	30 000	A	111	59	10	15
12	75	G53	LED12/R111/830/12V/G53/35 BX 1/10	11543	730	3000	No	35	80	30 000	A	111	59	10	15
12	75	G53	LED12D/R111G/827/12V/G53/35 BX 1/10	93012778	720	2700	Yes	35	80	25 000	A	111	57	10	16
12	75	G53	LED12D/R111G/830/12V/G53/35 BX 1/10	93012777	720	3000	Yes	35	80	25 000	A	111	57	10	16
15	100	G53	LED15D/R111G/827/12V/G53/35 BX 1/10	93012749	900	2700	Yes	35	80	25 000	A	111	57	10	16
15	100	G53	LED15D/R111G/830/12V/G53/35 BX 1/10	93012750	900	3000	Yes	35	80	25 000	A	111	57	10	16

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LED Retrofit Solutions / LED Tubes

Model	Wattage (W)	Length (mm)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Beam Angle (°)	CRI (Ra)	Rated life L70 (h)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
LED T8 Premium Universal															
1	18	1200	100-277	G13	LED 18/T8 PPU 4ft/830	93011778	1 944	3000	135	80<	40 000	28	18	A+	10
1	18	1200	100-277	G13	LED 18/T8 PPU 4ft/840	93011780	2 160	4000	135	80<	40 000	28	18	A+	10
1	18	1200	100-277	G13	LED 18/T8 PPU 4ft/865	93011779	2 160	6500	135	80<	40 000	28	18	A+	10
LED T8 Basic															
2	8	600	100-240	G13	LED 8/T8 BP 2ft/830	93011198	700	3000	150	80<	40 000	28	8	A+	15
2	8	600	100-240	G13	LED 8/T8 BP 2ft/840	93011195	800	4000	150	80<	40 000	28	8	A+	15
2	8	600	100-240	G13	LED 8/T8 BP 2ft/865	93011196	800	6500	150	80<	40 000	28	8	A+	15
2	10	600	100-240	G13	LED 10/T8 BP 2ft/830	93011296	950	3000	150	80<	40 000	28	10	A+	15
2	10	600	100-240	G13	LED 10/T8 BP 2ft/840	93011197	1 050	4000	150	80<	40 000	28	10	A+	15
2	10	600	100-240	G13	LED 10/T8 BP 2ft/865	93011305	1 050	6500	150	80<	40 000	28	10	A+	15
2	16	1200	100-240	G13	LED 16/T8 BP 4ft/830	93011304	1 450	3000	150	80<	40 000	28	16	A+	15
2	16	1200	100-240	G13	LED 16/T8 BP 4ft/840	93011303	1 600	4000	150	80<	40 000	28	16	A+	15
2	16	1200	100-240	G13	LED 16/T8 BP 4ft/865	93011302	1 600	6500	150	80<	40 000	28	16	A+	15
2	20	1200	100-240	G13	LED 20/T8 BP 4ft/830	93011301	1 850	3000	150	80<	40 000	28	20	A+	15
2	20	1200	100-240	G13	LED 20/T8 BP 4ft/840	93011200	2 050	4000	150	80<	40 000	28	20	A+	15
2	20	1200	100-240	G13	LED 20/T8 BP 4ft/865	93011199	2 050	6500	150	80<	40 000	28	20	A+	15
2	27	1500	100-240	G13	LED 27/T8 BP 5ft/830*	93011309	3 000	3000	140	80<	40 000	28	27	A+	15
2	27	1500	100-240	G13	LED 27/T8 BP 5ft/840*	93011310	3 000	4000	140	80<	40 000	28	27	A+	15
2	27	1500	100-240	G13	LED 27/T8 BP 5ft/865*	93011311	3 000	6500	140	80<	40 000	28	27	A+	15
2	27	1500	100-240	G13 Rot	LED 27/T8 BPR 5ft/830	93011312	3 000	3000	140	80<	40 000	28	27	A+	15
2	27	1500	100-240	G13 Rot	LED 27/T8 BPR 5ft/840	93011313	3 000	4000	140	80<	40 000	28	27	A+	15
2	27	1500	100-240	G13 Rot	LED 27/T8 BPR 5ft/865	93011314	3 000	6500	140	80<	40 000	28	27	A+	15
2	27	1500	100-240	G13	LED 27/T8 VP 5ft/830*	93011306	2 500	3000	140	80<	40 000	28	27	A+	15
2	27	1500	100-240	G13	LED 27/T8 VP 5ft/840*	93011307	2 700	4000	140	80<	40 000	28	27	A+	15
2	27	1500	100-240	G13	LED 27/T8 VP 5ft/865*	93011308	2 700	6500	140	80<	40 000	28	27	A+	15

* Will be delisted

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LED Retrofit Solutions / LED Tubes

Wattage (W)	Length (mm)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Beam Angle (°)	CRI (Ra)	Rated life L70 (h)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
LED T8 Glass															
8	600	100-240	G13	LED 8/T8 VG 2ft/830	93013212	700	3000	200	80<	40 000	28	8	A+	15	3
8	600	100-240	G13	LED 8/T8 VG 2ft/840	93013213	800	4000	200	80<	40 000	28	8	A+	15	3
8	600	100-240	G13	LED 8/T8 VG 2ft/865	93013214	800	6500	200	80<	40 000	28	8	A+	15	3
10	600	100-240	G13	LED 10/T8 VG 2ft/830	93013215	950	3000	200	80<	40 000	28	10	A+	15	3
10	600	100-240	G13	LED 10/T8 VG 2ft/840	93013220	1 050	4000	200	80<	40 000	28	10	A+	15	3
10	600	100-240	G13	LED 10/T8 VG 2ft/865	93013221	1 050	6500	200	80<	40 000	28	10	A+	15	3
14.5	1200	100-240	G13	LED 14.5/T8 VG 4ft/830	93013231	1 450	3000	200	80<	40 000	28	14.5	A+	15	3
14.5	1200	100-240	G13	LED 14.5/T8 VG 4ft/840	93013232	1 650	4000	200	80<	40 000	28	14.5	A+	15	3
14.5	1200	100-240	G13	LED 14.5/T8 VG 4ft/865	93013233	1 650	6500	200	80<	40 000	28	14.5	A+	15	3
18	1200	100-240	G13	LED 18/T8 VG 4ft/830	93013139	1 850	3000	200	80<	40 000	28	18	A+	15	3
18	1200	100-240	G13	LED 18/T8 VG 4ft/840	93013222	2 050	4000	200	80<	40 000	28	18	A+	15	3
18	1200	100-240	G13	LED 18/T8 VG 4ft/865	93013140	2 050	6500	200	80<	40 000	28	18	A+	15	3
18	1500	100-240	G13	LED 18/T8 VG 5ft/830	93013354	1 850	3000	200	80<	40 000	28	18	A+	10	3
18	1500	100-240	G13	LED 18/T8 VG 5ft/840	93013355	2 050	4000	200	80<	40 000	28	18	A+	10	3
18	1500	100-240	G13	LED 18/T8 VG 5ft/865	93013356	2 050	6500	200	80<	40 000	28	18	A+	10	3
27	1500	100-240	G13	LED 27/T8 VG 5ft/830	93013234	2 500	3000	200	80<	40 000	28	27	A+	10	3
27	1500	100-240	G13	LED 27/T8 VG 5ft/840	93013235	2 700	4000	200	80<	40 000	28	27	A+	10	3
27	1500	100-240	G13	LED 27/T8 VG 5ft/865	93013236	2 700	6500	200	80<	40 000	28	27	A+	10	3
LED T8 Glass Rotatable															
8	600	100-240	G13 Rot	LED 8/T8 VGR 2ft/830	93022320	700	3000	200	80<	40 000	28	8	A+	15	4
8	600	100-240	G13 Rot	LED 8/T8 VGR 2ft/840	93022319	800	4000	200	80<	40 000	28	8	A+	15	4
8	600	100-240	G13 Rot	LED 8/T8 VGR 2ft/865	93022327	800	6500	200	80<	40 000	28	8	A+	15	4
10	600	100-240	G13 Rot	LED 10/T8 VGR 2ft/830	93022322	950	3000	200	80<	40 000	28	10	A+	15	4
10	600	100-240	G13 Rot	LED 10/T8 VGR 2ft/840	93022323	1 050	4000	200	80<	40 000	28	10	A+	15	4
10	600	100-240	G13 Rot	LED 10/T8 VGR 2ft/865	93022321	1 050	6500	200	80<	40 000	28	10	A+	15	4
14.5	1200	100-240	G13 Rot	LED 14.5/T8 VGR 4ft/830	93022312	1 450	3000	200	80<	40 000	28	14.5	A+	15	4
14.5	1200	100-240	G13 Rot	LED 14.5/T8 VGR 4ft/840	93022315	1 650	4000	200	80<	40 000	28	14.5	A+	15	4
14.5	1200	100-240	G13 Rot	LED 14.5/T8 VGR 4ft/865	93022313	1 650	6500	200	80<	40 000	28	14.5	A+	15	4
18	1200	100-240	G13 Rot	LED 18/T8 VGR 4ft/830	93022316	1 850	3000	200	80<	40 000	28	18	A+	15	4
18	1200	100-240	G13 Rot	LED 18/T8 VGR 4ft/840	93022317	2 050	4000	200	80<	40 000	28	18	A+	15	4
18	1200	100-240	G13 Rot	LED 18/T8 VGR 4ft/865	93022318	2 050	6500	200	80<	40 000	28	18	A+	15	4
27	1500	100-240	G13 Rot	LED 27/T8 VGR 5ft/830	93022324	3 000	3000	200	80<	40 000	28	27	A+	10	4
27	1500	100-240	G13 Rot	LED 27/T8 VGR 5ft/840	93022326	3 000	4000	200	80<	40 000	28	27	A+	10	4
27	1500	100-240	G13 Rot	LED 27/T8 VGR 5ft/865	93022325	3 000	6500	200	80<	40 000	28	27	A+	10	4

3

4

LED Retrofit Solutions / LED Plug-in

	Model	Wattage (W)	Burning Position	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Beam Angle (°)	CRI (Ra)	Rated life L70 (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
LED 4 Pin Plug-in *																
1		12.5	Horizontal	G24q-3	LED 12.5/G24q-3/4P/H/827 GE BX1/6	93019485	1 250	2700	100 x 75	80<	50 000	132	35	12.5	A+	6
1		12.5	Horizontal	G24q-3	LED 12.5/G24q-3/4P/H/830 GE BX1/6	93019486	1 290	3000	100 x 75	80<	50 000	132	35	12.5	A+	6
1		12.5	Horizontal	G24q-3	LED 12.5/G24q-3/4P/H/840 GE BX1/6	93019487	1 300	4000	100 x 75	80<	50 000	132	35	12.5	A+	6
1		12.5	Horizontal	G24q-3	LED 12.5/G24q-3/4P/H/865 GE BX1/6	93019488	1 350	6500	100 x 75	80<	50 000	132	35	12.5	A+	6
2		12.5	Vertical	G24q-3	LED 12.5/G24q-3/4P/V/827 GE BX1/6	93024415	1 250	2700	87	80<	50 000	144	94	12.5	A+	6
2		12.5	Vertical	G24q-3	LED 12.5/G24q-3/4P/V/830 GE BX1/6	93024294	1 290	3000	87	80<	50 000	144	94	12.5	A+	6
2		12.5	Vertical	G24q-3	LED 12.5/G24q-3/4P/V/840 GE BX1/6	93024110	1 300	4000	87	80<	50 000	144	94	12.5	A+	6
2		12.5	Vertical	G24q-3	LED 12.5/G24q-3/4P/V/865 GE BX1/6	93024109	1 350	6500	87	80<	50 000	144	94	12.5	A+	6

* Lamp can't be operated directly from Mains voltage, an electronic ballast is needed.
Visit this website for list of ballasts tested and approved for compatibility: www.gelighting.com/LEDPlugIn-compatibility

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LED Indoor Solutions

LED Indoor Solutions

Ambient

Ambient lighting sets the mood, creating a comfortable environment in which to work, shop, dine, relax and more. We offer LED systems to suit all requirements, including the following ranges:

GE Lumination™ BT LED Panel

- Easy installation into exposed T ceilings
- Combines brilliant aesthetics with space-filling light
- Dali Dimmable – easily integrates into light controls
- Up to 103 LPW high efficiency
- Long life 50 000h @ L80

GE LED NB1000

- Simple and elegant interior light fitting
- Integrated light module with dedicated optic
- Contemporary luminaire ranges for wall and ceiling mounting
- Integral emergency option
- Long life 50 000h @ L70

Functional

Our functional ranges open up the benefits of LED – long life, low energy costs, bright white light – to applications such as retail warehousing, depots and industrial units.

GE Albeo LED
- Direct replacement for HID and LFL Lamps in high bay applications – attractive form factor with Flexible Modular Design

GE Lumination™ IS LED
- Sleek, streamlined and designed for standalone use or continuous rows, these innovative luminaires deliver a clean, modern look

GE Mariner LED
- Slim, waterproof Mariner fittings designed for use with T8 LED Tubes – IP65 rated for protection against damp, dust and accidental damage

GE NPP LED
- Traditional style 'batten' luminaire designed for use with T8 LED Tubes – ideal for industrial sites, retail units and other sites where low maintenance, energy efficiency and excellent colour rendition are important

LONG LIFE *LOW ENERGY COSTS* *BRIGHT WHITE LIGHT*

Feature

Feature or accent lighting creates contrast, defines shape and guides the eye, making it key to the success of any lighting system.

GE LED Eco Downlights
- Choice of sizes, lumen packages and CCTs
- Over 50% energy saving vs traditional lighting
- Ideal for accent light in retail applications

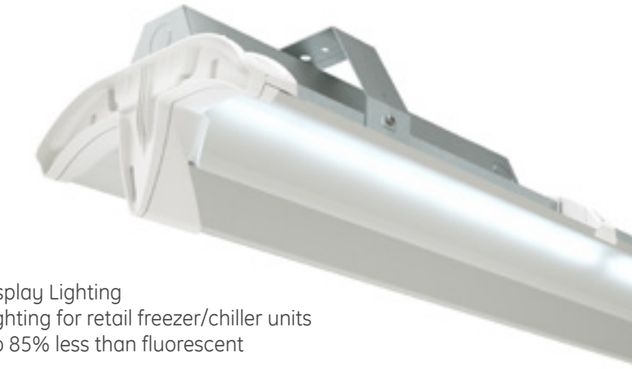
Arhitectural

We offer LED products designed to meet the performance, efficiency and aesthetic requirements of specific architectural applications.

Architectural LED Lighting
- Dramatic architectural lighting for indoor and outdoor use
- Innovative solutions with up to 50 000 hours of reliable light

Signage

Signage LED Lighting
- Innovative solutions for long-lasting, high impact signage
- Design flexibility for channel letters and cabinet signs



Refrigeration Display Lighting

LED Refrigeration Display Lighting
- Bright, targeted lighting for retail freezer/chiller units
- Energy costs up to 85% less than fluorescent

LED Indoor Solutions

Product overview

LED NB1000

Lumination™
LED Luminaire
BT-Series

Ambient

Albeo™ LED
Luminaire –
ABV series

LED
Lumination™ IS

LED
Mariner™

LED NPP

Functional

LED Eco
Downlight

Feature

Tetra® Contour

Tetra® AL10

LED Linear Wall
Wash System

LED Accent

Tetra®
PowerGrid
Gen 3

LED
Soft Strip

Architecture

TETRA®
miniMAX

TETRA®
MAX

TETRA®
PowerMAX

TETRA®
Power Strip

TETRA®
miniStrip

TETRA®
EdgeStrip

TETRA®
Contour

TETRA®
LineFit

Signage

RH30
RV45
RV60

Immersion™
Elite

Refrigeration Display Lighting

LED Indoor Solutions / Ambient

Thomas Cook UK

GE SOLUTIONS:
Lumination™ LED Luminaires

LED NB1000

Model	Wattage (W)	Product Description	Product Code	Lumen (lm)	Rated life (h)	CCT (K)	Emergeny Lighitng	Dimensions (mm)
1	8	BW171FWOPL	95938	650	50 000	3000	No	ø363*113
1	12.5	BW271FWOPL	95939	1 100	50 000	3000	No	ø363*113
1	14.5	BW271FEMWOPL	95940	1 100	50 000	3000	Yes	ø363*113
1	17	BW371FWOPL	95941	1 400	50 000	3000	No	ø363*113
1	8	BW173FWOPL	95946	700	50 000	4000	No	ø363*113
1	12.5	BW273FWOPL	95947	1 200	50 000	4000	No	ø363*113
1	14.5	BW273FEMWOPL	95948	1 200	50 000	4000	Yes	ø363*113
1	17	BW373FWOPL	95949	1 500	50 000	4000	No	ø363*113

Lumination™ LED Luminaire BT-Series

Model	Wattage (W)	Product Description	Product Code	Lumen (lm)	Rated life (h)	CCT (K)	Controls	IP	Dimensions (mm)	Emergency Lighting
2	35	BT227A3APWHTE IHNS	93010586	3 600	50 000	4000	Static	20	595x595x111	no
2	35	BT227A3ADWHTE IHNS	93010587	3 600	50 000	4000	DALI	20	595x595x121	no
2	35	BT227C3APWHTE IHNS	93011493	3 100	50 000	4000	Static	20	595x595x111	no
2	35	BT227C3ADWHTE IHNS	93011491	3 100	50 000	4000	DALI	20	595x595x121	no
2	40	BT227A3APWHTEEM IHNS	93011025	3 600	50 000	4000	Static	20	595x595x111	yes
2	40	BT227A3ADWHTEEM IHNS	93011041	3 600	50 000	4000	DALI	20	595x595x121	yes

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LED Indoor Solutions / Functional

Albeo™ LED Luminaire – ABV series

Wattage (W)	Product Description	Product Code	Lumen (lm)	CCT (K)	Controls	Modules	Rated life (h)	IP	System Efficiency (lm/W)	Optics	CRI (Ra)	Dimensions (mm)	Ambient Temperature	EEC	Weight (kg)	Model
96	ABV171V48DNVST IHNS	93025891	10 800	4000	1-10V	1	79 000	20	113	120° diffused	>80	296x383x111	-30 to +55°C	A++	1.39	3
96	ABV171V485NVST IHNS	93025892	10 161	4000	1-10V	1	79 000	20	106	55°	>80	296x383x111	-30 to +55°C	A++	1.39	3
96	ABV171V489NVST IHNS	93025893	10 770	4000	1-10V	1	79 000	20	112	90°	>80	296x383x111	-30 to +55°C	A++	1.56	3
96	ABV171V48DNDST IHNS	93025894	10 800	4000	DALI	1	79 000	20	113	120° diffused	>80	296x383x111	-30 to +55°C	A++	1.39	3
96	ABV171V485NDST IHNS	93025895	10 161	4000	DALI	1	79 000	20	106	55°	>80	296x383x111	-30 to +55°C	A++	1.39	3
96	ABV171V489NDST IHNS	93025896	10 770	4000	DALI	1	79 000	20	112	90°	>80	296x383x111	-30 to +55°C	A++	1.39	3
191	ABV172V48DNVST IHNS	93025897	21 600	4000	1-10V	2	79 000	20	113	120° diffused	>80	296x764x111	-30 to +55°C	A++	1.56	4
191	ABV172V485NVST IHNS	93025898	20 320	4000	1-10V	2	79 000	20	106	55°	>80	296x764x111	-30 to +55°C	A++	1.39	4
191	ABV172V489NVST IHNS	93025899	21 540	4000	1-10V	2	79 000	20	113	90°	>80	296x764x111	-30 to +55°C	A++	1.39	4
191	ABV172V48DNDST IHNS	93025900	21 600	4000	DALI	2	79 000	20	113	120° diffused	>80	296x764x111	-30 to +55°C	A++	1.39	4
191	ABV172V485NDST IHNS	93025901	20 320	4000	DALI	2	79 000	20	106	55°	>80	296x764x111	-30 to +55°C	A++	1.56	4
191	ABV172V489NDST IHNS	93025902	21 540	4000	DALI	2	79 000	20	113	90°	>80	296x764x111	-30 to +55°C	A++	1.39	4

LED Lumination™ IS

Wattage (W)	Product Description	Product Code	Lumen (lm)	CCT (K)	Driver	Length	Rated life L85 (h)	IP	System Efficiency (lm/W)	Emergency version	CRI (Ra)	Operating Temperature Range (°C)	Dimensions (mm)	EEC	Model
35	IS147A2MDSLVR IHNS	93012514	3 900	3500	DALI	1200	75 000	20	112	NO	>83	-10 to +35	260x169x1256	A++	5
35	IS147A2MVSLVR IHNS	93012515	3 900	3500	1-10V	1200	75 000	20	112	NO	>83	-10 to +35	260x169x1256	A++	5
35	IS147A3MDSLVR IHNS	93012516	3 900	4000	DALI	1200	75 000	20	118	NO	>83	-10 to +35	260x169x1256	A++	5
35	IS147A3MVSLVR IHNS	93012517	3 900	4000	1-10V	1200	75 000	20	118	NO	>83	-10 to +35	260x169x1256	A++	5
44	IS147B2MDSLVR IHNS	93012518	4 800	3500	DALI	1200	75 000	20	110	NO	>83	-10 to +35	260x169x1256	A++	5
44	IS147B2MVSLVR IHNS	93012519	4 800	3500	1-10V	1200	75 000	20	110	NO	>83	-10 to +35	260x169x1256	A++	5
44	IS147B3MDSLVR IHNS	93012520	5 000	4000	DALI	1200	75 000	20	116	NO	>83	-10 to +35	260x169x1256	A++	5
44	IS147B3MVSLVR IHNS	93012561	5 000	4000	1-10V	1200	75 000	20	116	NO	>83	-10 to +35	260x169x1256	A++	5
39	IS147A2MVSLVREL IHNS	93012575	3 900	3500	1-10V	1200	75 000	20	101	YES	>83	-10 to +35	260x169x1256	A++	5
39	IS147A3MVSLVREL IHNS	93012533	3 900	4000	1-10V	1200	75 000	20	106	YES	>83	-10 to +35	260x169x1256	A++	5
39	IS147A2MDSLVREL IHNS	93012577	3 900	3500	DALI	1200	75 000	20	101	YES	>83	-10 to +35	260x169x1256	A++	5
39	IS147A3MDSLVREL IHNS	93012578	3 900	4000	DALI	1200	75 000	20	106	YES	>83	-10 to +35	260x169x1256	A++	5
48	IS147B2MVSLVREL IHNS	93012581	4 800	3500	1-10V	1200	75 000	20	101	YES	>83	-10 to +35	260x169x1256	A++	5
48	IS147B3MVSLVREL IHNS	93012582	5 000	4000	1-10V	1200	75 000	20	106	YES	>83	-10 to +35	260x169x1256	A++	5
48	IS147B2MDSLVREL IHNS	93012585	4 800	3500	DALI	1200	75 000	20	101	YES	>83	-10 to +35	260x169x1256	A++	5
48	IS147B3MDSLVREL IHNS	93012586	5 000	4000	DALI	1200	75 000	20	106	YES	>83	-10 to +35	260x169x1256	A++	5

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LED Indoor Solutions / Functional

LED Mariner™

Model	Product Description	Product Code	Dimensions (mm)	IP	Input Voltage (V)	Weight (kg)	Number of light sources
1	NL LED MARINER SINGLE 1200MM GE	75563*	1270x142x90	65	220-240	1.6	1
1	NL LED MARINER TWIN 1200MM GE	75564*	1270x142x90	65	220-240	1.7	2
1	NL LED MARINER SINGLE 1500MM GE	75566*	1270x142x90	65	220-240	2	1
1	NL LED MARINER TWIN 1500MM GE	75568*	1270x142x90	65	220-240	2.1	2

LED NPP

Model	Product Description	Product Code	Dimensions (mm)	IP	Input Voltage (V)	Weight (kg)	Number of light sources
2	NL LED N-PACK NPP SINGLE 1200MM GE	34254*	1570x142	20	220-240	1.05	1
2	NL LED N-PACK NPP TWIN 1200MM GE	34252*	1570x142	20	220-240	1.15	2
2	NL LED N-PACK NPP SINGLE 1500MM GE	83673*	1570x142	20	220-240	1.32	1
2	NL LED N-PACK NPP TWIN 1500MM GE	83669*	1570x142	20	220-240	1.38	2

* Light sources not included.

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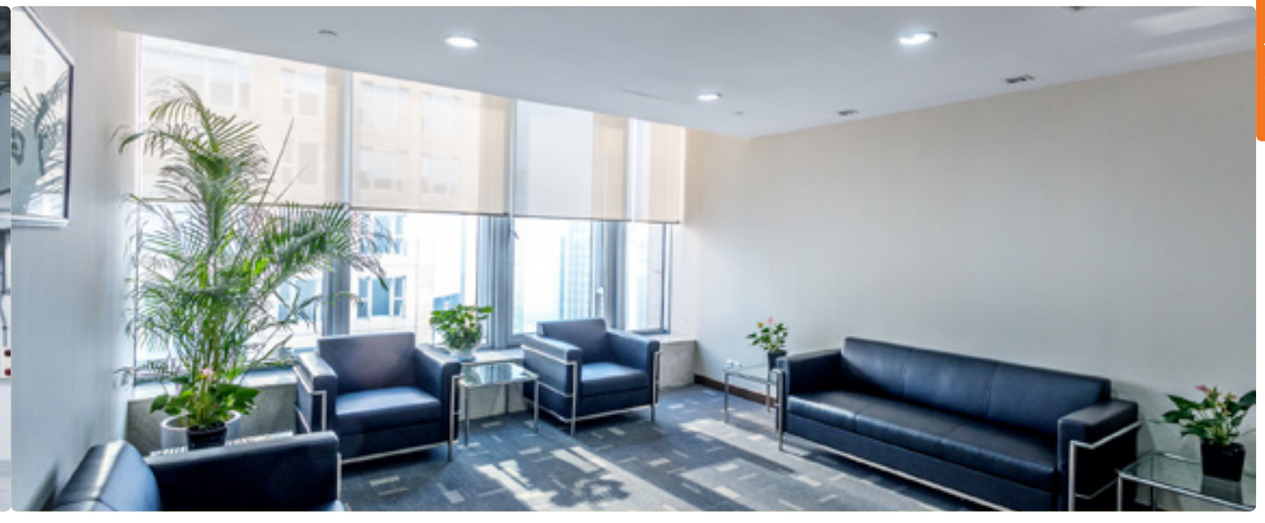
LED Indoor Solutions / Feature



LED Eco Downlight

Wattage (W)	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life L70/B50 (h)	IP	CRI (Ra)	Nominal Size (°/mm)	Operating temp. (°C)	LEDs per module	EEC	Model
7	DM4L18SP30	93011615	540	3000	40 000	20	80	4/100	0 to +40	7	A+	3
7	DM4L18SP40	93011616	600	4000	40 000	20	80	4/100	0 to +40	7	A++	3
7	DM4L18SP65	93011617	600	6500	40 000	20	80	4/100	0 to +40	7	A++	3
10	DM6L110SP30	93011618	720	3000	40 000	20	80	6/150	0 to +40	10	A+	3
10	DM6L110SP40	93011620	800	4000	40 000	20	80	6/150	0 to +40	10	A+	3
10	DM6L110SP65	93011761	800	6500	40 000	20	80	6/150	0 to +40	10	A+	3
12	DM6L212SP30	93011763	900	3000	40 000	20	80	6/150	0 to +40	12	A+	3
12	DM6L212SP40	93011762	1 000	4000	40 000	20	80	6/150	0 to +40	12	A+	3
12	DM6L212SP65	93011619	1 000	6500	40 000	20	80	6/150	0 to +40	12	A+	3
18	DM8L118SP30	93011764	1 350	3000	40 000	20	80	8/200	0 to +40	18	A+	3
18	DM8L118SP40	93011767	1 500	4000	40 000	20	80	8/200	0 to +40	18	A+	3
18	DM8L118SP65	93011766	1 500	6500	40 000	20	80	8/200	0 to +40	18	A+	3
24	DM8L224SP30	93011765	1 800	3000	40 000	20	80	8/200	0 to +40	24	A+	3
24	DM8L224SP40	93011768	2 000	4000	40 000	20	80	8/200	0 to +40	24	A+	3
24	DM8L224SP65	93011772	2 000	6500	40 000	20	80	8/200	0 to +40	24	A+	3
30	DM8L330SP30	93011770	2 250	3000	40 000	20	80	8/200	0 to +40	33	A+	3
30	DM8L330SP40	93011771	2 500	4000	40 000	20	80	8/200	0 to +40	33	A+	3
30	DM8L330SP65	93011769	2 500	6500	40 000	20	80	8/200	0 to +40	33	A+	3

3

Tetra® Contour

Model	Product Description	Single Pack Product Code	Bulk Pack Product Code	Bulk Pack Qty	Colour	Wavelength/ Colour Temp	Viewing Angle (light engine)	Viewing Angle (light engine w/ light guide)	Lumens per metre (light engine)	Lumens per metre (light engine w/ light guide)	Watts per metre (light engine)	Watts per metre (system)	EEC	Energy Consumption (kWh/1000h)
1	TETRA CONTOUR RED LED LIGHT ENGINE	62500	75481	12	Red	625nm	110	330	194	154	10.63	12.5	C	25.95
1	TETRA CONTOUR GREEN LED LIGHT ENGINE	62502	75484	6	Green	532nm	110	330	331	180	9.45	11.12	B	23.06
1	TETRA CONTOUR BLUE LED LIGHT ENGINE	62503	75485	6	Blue	467nm	110	330	75	62	9.45	11.12	N/A	N/A
1	TETRA CONTOUR LED LIGHT ENGINE 2700K	62488	75487	6	White	2700K	110	330	351	230	9.45	11.12	B	23.06
1	TETRA CONTOUR LED LIGHT ENGINE 3000K	62489	75488	6	White	3000K	110	330	384	249	9.45	11.12	B	23.06
1	TETRA CONTOUR LED LIGHT ENGINE 3500K	62491	75489	6	White	3500K	110	330	410	266	9.45	11.12	B	23.06
1	TETRA CONTOUR LED LIGHT ENGINE 4000K	62490	75490	6	White	4000K	110	330	430	279	9.45	11.12	B	23.06
1	TETRA CONTOUR LED LIGHT ENGINE 5000K	62492	75493	6	White	5000K	110	330	512	331	9.45	11.12	B	23.06
1	TETRA CONTOUR LED LIGHT ENGINE 6500K	62493	75486	6	White	6500K	110	330	472	308	9.45	11.12	B	23.06

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Tetra® Contour Accessories

Product Description	Product Code	Pack Qty	Model
TETRA CONT REDLIGHT GUIDE	75529	12	2
TETRA CONT REDLIGHT GUIDE END CAP	75531	20	3
TETRA CONT REDLIGHT GUIDE CONNECTOR	75530	20	4
TETRA CONT LIGHTGUIDE RED90° INSIDE CORNER	75495	20	5
TETRA CONT LIGHTGUIDE RED90° OUTSIDE CORNER	75496	20	5
TETRA CONT LIGHTGUIDE RED90° PLANAR CORNER	75497	20	5
TETRA CONT GREENLIGHT GUIDE	75521	12	2
TETRA CONT GREENLIGHT GUIDE END CAP	75523	20	3
TETRA CONT GREENLIGHT GUIDE CONNECTOR	75522	20	4
TETRA CONT LIGHTGUIDE GREEN90° INSIDE CORNER	75505	20	5
TETRA CONT LIGHTGUIDE GREEN90° OUTSIDE CORNER	75503	20	5
TETRA CONT LIGHTGUIDE GREEN90° PLANAR CORNER	75502	20	5
TETRA CONT BLUELIGHT GUIDE	75526	12	2
TETRA CONT BLUELIGHT GUIDE END CAP	75535	20	3
TETRA CONT BLUELIGHT GUIDE CONNECTOR	75527	20	4
TETRA CONT LIGHTGUIDE BLUE90° INSIDE CORNER	75500	20	5
TETRA CONT LIGHTGUIDE BLUE90° OUTSIDE CORNER	75501	20	5
TETRA CONT LIGHTGUIDE BLUE90° PLANAR CORNER	75504	20	5
TETRACONTOUR LIGHT GUIDE - WHITE	75541	12	2
TETRACONTOUR END CAP - WHITE	75532	20	3
TETRACONTOUR CONNECTOR - WHITE	75533	20	4
TETRA CONT LIGHTGUIDE WHITE 90° INSIDE CORNER	75507	20	5
TETRA CONT LIGHTGUIDE WHITE 90° OUTSIDE CORNER	75499	20	5
TETRACONT LIGHTGUIDE WHITE 90° PLANAR CORNER	75511	20	5
TETRA CONTOUR CLEAR LIGHT GUIDE	62186	12	2
MINIMAX SUPPLY WIRE, 154.2m of 18 AWG Supply Wire (0.82mm²)	75514	1	6
WEATHER BOX -PAINTABLE	75494	20	7
TETRA CONTOUR SILICONE BEND-AID (Reusable) 406mm	75537	12	8
TETRA CONTOUR LIGHT GUIDE MOUNTING CLIP	75520	50	9
TETRA CONTOUR LIGHT ENGINE MOUNTING CLIP	75498	20	10

Tetra® Contour Drivers

Product Description	Product Code	Pack Qty	Full Product Description	Model
GEPS24-100UGL-IP	67825	10	LED Driver (24VDC/100W) Input Voltage: 108-305VAC, Damp Location Rated	–
GE180/MV/V24T1-C LED DRIVER	62189	1	LED Driver (24VDC/180W) Input Voltage: 90-305VAC, Damp Location Rated	–
GE080/MV/D24T1-A LED DIM DRIVER 0-10V	79045	1	0-10V Dimming LED Driver (24VDC/80W): Input Voltage 90-305VAC,Damp Location Rated	11
TETRA DIMMING MODULE	75612	1	0-10V Dimming Module: use with non-dimming GE LED Driver	–

2 3 4 5 6 7 8 9 10 11

Model	Product Description	Product Code	Fixture Colour	Pack Qty	Voltage	CCT (K)	CRI (Ra)	Lens Type	Length (mm)	Lumens Per Fixture	Wattage (W)	Lumens per Watt	EEC	Energy Consumption (kWh/1000h)
Tetra® AL10														
1	LPL-W18-060C-927	78867	White	10	12	2700	93	60° clear	460	290	6.8	43	A	7.48
2	LPL-W09-090C-927	78858	White	10	12	2700	93	90° clear	230	145	3.4	43	A	3.74
1	LPL-W18-120C-927	78874	White	10	12	2700	93	120° clear	460	290	6.8	43	A	7.48
1	LPL-W18-120D-927	78878	White	10	12	2700	93	120° soft	460	290	6.8	43	A	7.48
2	LPL-W09-120D-927	78864	White	10	12	2700	93	120° soft	230	145	3.4	43	A	3.74
1	LPL-W18-060C-930	78868	White	10	12	3000	93	60° clear	460	290	6.8	44	A	7.48
2	LPL-W09-060C-930	78856	White	10	12	3000	93	60° clear	230	145	3.4	44	A	3.74
1	LPL-W18-090C-930	78872	White	10	12	3000	93	90° clear	460	290	6.8	44	A	7.48
2	LPL-W09-090C-930	78859	White	10	12	3000	93	90° clear	230	145	3.4	44	A	3.74
1	LPL-W18-120C-930	78875	White	10	12	3000	93	120° clear	460	290	6.8	44	A	7.48
2	LPL-W09-120C-930	78862	White	10	12	3000	93	120° clear	230	145	3.4	44	A	3.74
1	LPL-W18-120D-930	78879	White	10	12	3000	93	120° soft	460	290	6.8	44	A	7.48
2	LPL-W09-120D-930	78865	White	10	12	3000	93	120° soft	230	145	3.4	44	A	3.74
1	LPL-W18-060C-940	78870	White	10	12	4000	93	60° clear	460	290	6.8	47	A	7.48
2	LPL-W09-060C-940	78857	White	10	12	4000	93	60° clear	230	145	3.4	47	A	3.74
1	LPL-W18-090C-940	78873	White	10	12	4000	93	90° clear	460	290	6.8	47	A	7.48
2	LPL-W09-090C-940	78860	White	10	12	4000	93	90° clear	230	145	3.4	47	A	3.74
1	LPL-W18-120C-940	78877	White	10	12	4000	93	120° clear	460	290	6.8	47	A	7.48
2	LPL-W09-120C-940	78863	White	10	12	4000	93	120° clear	230	145	3.4	47	A	3.74
1	LPL-W18-120D-940	78880	White	10	12	4000	93	120° soft	460	290	6.8	47	A	7.48
2	LPL-W09-120D-940	78866	White	10	12	4000	93	120° soft	230	145	3.4	47	A	3.74
2	LPL-G09-060C-927	78881	Grey	10	12	2700	93	60° clear	230	145	3.4	43	A	3.74
2	LPL-G09-120D-927	78890	Grey	10	12	2700	93	120° soft	230	145	3.4	43	A	3.74
1	LPL-G18-090C-930	78897	Grey	10	12	3000	93	90° clear	460	290	6.8	44	A	7.48
2	LPL-G09-090C-930	78885	Grey	10	12	3000	93	90° clear	230	145	3.4	44	A	3.74

Model	Product Description	Product Code	Pack Qty	Full Product Description
Tetra® AL10 Accessories				
–	LC-36	78905	5	Leader Cable 914mm
–	LC-120	78906	5	Leader Cable 3048mm
–	JC-12	78907	5	Jumper Cable 305mm
–	JC-72	78908	5	Jumper Cable 1829mm
–	MB-W15	78909	20	Mounting Bracket – White 15° Angle
–	MB-W30	78910	20	Mounting Bracket – White 30° Angle
–	MB-G15	78911	20	Mounting Bracket – Grey 15° Angle
–	MB-G30	78912	20	Mounting Bracket – Grey 30° Angle
–	LPL-MAGNET.MOUNTING.BRACKET (WHITE.0	62814	20	0 degree magnetic mounting bracket
–	LPL-MT W/SHIELD (36.00)	62187	10	Mounting Track with a 36 degree light shield

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Product Description	Product Code	Pack Qty	Full Product Description	Model
Tetra® AL10 Drivers				
GEPS12-60UGL-IP	67824	1	LED Driver 12V 60W	–
GE020/G/V12T1-B	74914	1	LED Driver 12V 20W	–
TETRA DIMMING MODULE	75612	10	TETRA DIMMING MODULE 12-24V, 0-10V DC	–
GE060/MV/D12T1-A LED DIM DRIVER 0-10V	79044	10	LED Driver 12V 60W	–

Wattage (W)	Product Description	Product Code	Pack Qty	Input Voltage	CCT (K)	Lumens per Fixture (ft/m)	Min. LPW	CRI (Ra)	Length (mm)	Lens Type	Application	IP Rating	Model
LED Linear Wall Wash System													
5	LLWSOB004CV827VQTMWHTE	10739	10	120V -277VAC/50Hz/60Hz	2700	380 (367/1203)	76	80	320	100° soft	Cove	IP20	3
5	LLWSOB004CV830VQTMWHTE	10740	10	120V -277VAC/50Hz/60Hz	3000	420 (405/1329)	84	80	320	100° soft	Cove	IP20	3
5	LLWSOB004CV835VQTMWHTE	10741	10	120V -277VAC/50Hz/60Hz	3500	420 (405/1329	84	80	320	100° soft	Cove	IP20	3
5	LLWSOB004CV840VQTMWHTE	10747	10	120V -277VAC/50Hz/60Hz	4000	430 (415/1361)	86	80	320	100° soft	Cove	IP20	3
5	LLWHOB004CV827VQTMWHTE	10750	10	120V -277VAC/50Hz/60Hz	2700	380 (367/1203)	76	80	320	100° soft	Cove	IP20	3
5	LLWHOB004CV830VQTMWHTE	10754	10	120V -277VAC/50Hz/60Hz	3000	420 (405/1329)	84	80	320	100° soft	Cove	IP20	3
5	LLWHOB004CV835VQTMWHTE	10758	10	120V -277VAC/50Hz/60Hz	3500	420 (405/1329	84	80	320	100° soft	Cove	IP20	3
5	LLWHOB004CV840VQTMWHTE	10763	10	120V -277VAC/50Hz/60Hz	4000	430 (415/1361)	86	80	320	100° soft	Cove	IP20	3
5	LLWSOB004WW827VQTMWHTE	10785	10	120V -277VAC/50Hz/60Hz	2700	380 (367/1203)	76	80	320	30° x 80°	Wall Washer	IP20	3
5	LLWSOB004WW830VQTMWHTE	10787	10	120V -277VAC/50Hz/60Hz	3000	420 (405/1329)	84	80	320	30° x 80°	Wall Washer	IP20	3
5	LLWSOB004WW835VQTMWHTE	10789	10	120V -277VAC/50Hz/60Hz	3500	420 (405/1329	84	80	320	30° x 80°	Wall Washer	IP20	3
5	LLWSOB004WW840VQTMWHTE	10801	10	120V -277VAC/50Hz/60Hz	4000	430 (415/1361)	86	80	320	30° x 80°	Wall Washer	IP20	3
8	LLWHOB004WW827VQTMWHTE	10861	10	120V -277VAC/50Hz/60Hz	2700	650 (627/2057)	81	80	320	30° x 80°	Wall Washer	IP20	3
8	LLWHOB004WW830VQTMWHTE	10862	10	120V -277VAC/50Hz/60Hz	3000	730 (704/2310)	91	80	320	30° x 80°	Wall Washer	IP20	3
8	LLWHOB004WW835VQTMWHTE	10864	10	120V -277VAC/50Hz/60Hz	3500	730 (704/2310)	91	80	320	30° x 80°	Wall Washer	IP20	3
8	LLWHOB004WW840VQTMWHTE	10867	10	120V -277VAC/50Hz/60Hz	4000	750 (723/2373)	94	80	320	30° x 80°	Wall Washer	IP20	3
8	LLWSOB004GZ827VQTMWHTE	10868	10	120V -277VAC/50Hz/60Hz	2700	650 (627/2057)	81	80	320	15° x 80°	Wall Grazer	IP20	3
8	LLWSOB004GZ830VQTMWHTE	10869	10	120V -277VAC/50Hz/60Hz	3000	730 (704/2310)	91	80	320	15° x 80°	Wall Grazer	IP20	3
8	LLWSOB004GZ835VQTMWHTE	10888	10	120V -277VAC/50Hz/60Hz	3500	730 (704/2310)	91	80	320	15° x 80°	Wall Grazer	IP20	3
8	LLWSOB004GZ840VQTMWHTE	10889	10	120V -277VAC/50Hz/60Hz	4000	750 (723/2373)	94	80	320	15° x 80°	Wall Grazer	IP20	3
8	LLWHOB004GZ827VQTMWHTE	10892	10	120V -277VAC/50Hz/60Hz	2700	650 (627/2057)	81	80	320	15° x 80°	Wall Grazer	IP20	3
8	LLWHOB004GZ830VQTMWHTE	10895	10	120V -277VAC/50Hz/60Hz	3000	730 (704/2310)	91	80	320	15° x 80°	Wall Grazer	IP20	3
8	LLWHOB004GZ835VQTMWHTE	10899	10	120V -277VAC/50Hz/60Hz	3500	730 (704/2310)	91	80	320	15° x 80°	Wall Grazer	IP20	3
8	LLWHOB004GZ840VQTMWHTE	10901	10	120V -277VAC/50Hz/60Hz	4000	750 (723/2373)	94	80	320	15° x 80°	Wall Grazer	IP20	3

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LED Indoor Solutions / Architecture

	Model	Product Description	Product Code	Pack Qty	Full Product Description
LED Linear Wall Wash System Accessories					
-	LWW2-LC2-120		10902	1	GE LED Wall Washer, Leader Cable, 120" (3048mm) With One End Cap
-	LWW2-JC2-12		10903	1	GE LED Wall Washer, Jumper Cable, 12" (305mm)
-	LWW2-JC2-48		10904	1	GE LED Wall Washer, Jumper Cable, 48" (1219mm)
-	LWW1-MT48/0		65467	10	48" (1219mm) Mounting Track 10/PK

	Model	Product Description	Product Code	Pack Qty	CCT (K) +/-	Lens	Strip W/ Module (per m)	System W/ Module (per m)	Lm/ Module	LPW (System)
LED Accent										
1	GEWWNL2-27K-A		93013521	1 x 6.1M	2700K + 90/-40	115°	0.78 (6.39)	0.97 (7.95)	82	85
1	GEWWNL2-30K-A		93013525	1 x 6.1M	3000K + 115/-25	115°	0.78 (6.39)	0.97 (7.95)	83	86
1	GEWWNL2-35K-A		93013526	1 x 6.1M	3500K + 115/-25	115°	0.78 (6.39)	0.97 (7.95)	84	87
1	GEWWNL2-40K-A		93013527	1 x 6.1M	4000K + 121/-151	115°	0.78 (6.39)	0.97 (7.95)	85	88

	Model	Product Description	Product Code	Pack Qty	Full Product Description
LED Accent Accessories					
-	MINIMAX SUPPLY WIRE		75514	1	18 AWG Supply Wire (0.82mm²) (152.4m)
-	18-14AWG IN-LINE CONN IDC		75545	500	18-14 AWG In-Line Splice Connector (0.82-2.08mm²)
-	NL1-MT48/0		65459	5	Mounting Track 0° or 30° Angle, 1219mm

	Model	Product Description	Product Code	Pack Qty	Full Product Description
LED Accent Drivers					
-	GEDM1-A		75612	10	Tetra Dimming Module (0-10v)
-	GEPS12-60UGL-IP		67824	10	LED Driver (12VDC/60W): Input Voltage: 90-264VAC, Damp Location Rated
-	GE020/G/V12T1-B		74914	1	LED Driver (12VDC 20W): Input voltage: 90-264VAC, Damp Location Rated
-	GE060/MV/D12T1-A		79044	10	0-10V Dimming LED Driver (12VDC/ 60W): Input Voltage: 90-305VAC, Damp Location Rated

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Model	Product Description	Product Code	Pack Qty	CCT (K) +/-	Lens	Strip W/ Module	System W/ Module	Lm/Module	LPW (System)	Modules/ Strip	EEC	Energy Consumption (kWh/1000h)	
Tetra® PowerGrid Gen 3													
GEWWPG3P6-27K-A 2700K		93013528	1 x 21 modules	2700K + 90 /-40	155°	2.3W	2.7W	215	80	21	A+	0.16	2
GEWWPG3P6-30K-A 3000K		93013522	1 x 21 modules	3000K + 115/-65	155°	2.3W	2.7W	220	81	21	A+	0.16	2
GEWWPG3P6-35K-A 3500K		93013523	1 x 21 modules	3500K + 120/-120	155°	2.3W	2.7W	225	83	21	A+	0.16	2
GEWWPG3P6-40K-A 4000K		93013524	1 x 21 modules	4000K + 121/-151	155°	2.3W	2.7W	230	85	21	A+	0.16	2

	Product Description	Product Code	Pack Qty	Full Product Description	Model
Tetra® PowerGrid Accessories					
	MINIMAX SUPPLY WIRE	75514	1	18 AWG Supply Wire (0.82mm²) (152.4m)	-
	18-14AWG IN-LINE CONN IDC	75545	500	18-14 AWG In-Line Splice Connector (0.82-2.08mm²)	-
	POWERGRID END CAP	75546	100	0.33-0.82mm² Wire End Caps	-
Tetra® PowerGrid Drivers					
	GEPS24-100UGL-IP	67825	10	LED Driver (24VDC/100W): Input Voltage: 108-305VAC, Damp Location Rated	-
	GE180/MV/V24T1-C	62189	1	LED Driver (24VDC/180W): Input Voltage: 90-305VAC, Damp Location Rated	-
	GE080/MV/D24T1-A 0-10V	79045	10	0-10V Dimming LED Driver (24VDC/80W) :Input Voltage 90-305VAC, Damp Location Rated	-

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LED Indoor Solutions / Architecture

	Model	Product Description	Product Code	Wattage (W/m)	Lumen (lm/m)	CCT (K)	Pack Qty
LED Soft Strip - for Indoor usage							
1	LSS04-24-27-60		93011531	4.8	370	2700	10×5m rolls per box
1	LSS04-24-40-60		93011532	4.8	470	4000	10×5m rolls per box
1	LSS04-24-57-60		93011533	4.8	470	5700	10×5m rolls per box
1	LSS10-24-27-60		93011535	10	750	2700	10×5m rolls per box
1	LSS10-24-40-60		93011536	10	850	4000	10×5m rolls per box
1	LSS10-24-57-60		93011537	10	900	5700	10×5m rolls per box

	Model	Product Description	Product Code	Wattage (W/m)	Lumen (lm/m)	CCT (K)	Pack Qty
LED Soft Strip - for Outdoor usage							
1	LSS04-24-27-60-IP65		93011539	4.8	320	2700	10×5m rolls per box
1	LSS10-24-27-60-IP65		93011538	10	700	2700	10×5m rolls per box
1	LSS04-24-57-60-IP65		93011541	4.8	400	5700	10×5m rolls per box
1	LSS10-24-57-60-IP65		93011540	10	800	5700	10×5m rolls per box
1	LSS Connector strip to driver		93011732	–	–	–	200
1	LSS Connector strip to strip		93011731	–	–	–	400

	Model	Product Description	Product Code	Wattage
LED Soft Strip Drivers				
2	LED25CV24EP		97527	25W
2	LED25CV24EPS		97526	25W
2	LED60CV24EP		97507	60W
2	LED60CV24EPS		97506	60W
2	LED100CV24EPS		97393	100W
2	LED150CV24EMS		97759	150W
2	LED200CV24EPS		97745	200W

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CentrePoint Budapest

GE SOLUTIONS:
Tetra™ Contour LED Lighting System

LED Indoor

LED Indoor Solutions / Signage

Tetra® Product Range

Model	Product Lines	Part	Old Product Code	Future/Current Product Code	LED colour	CCT (K)	LEDs per Module	Modules per Metre	Viewing Angle (°)	Lumens per Module (Typical)	EEC	kWh/1000h	Voltage
1	TETRA® miniMAX 13mm min. stroke width 38mm min. depth	GEMM71-2	13613	GEMM71-2	WHITE	7100K	3	8	150	36	A++	0.36	12V
1		GEMM71-2-CS1	13614	GEMM71-2-CS1	WHITE	7100K	3	6.6	150	36	A++	0.36	12V
1		GEMM50-2	13619	GEMM50-2	WARM WHITE	5000K	3	8	150	36	A++	0.36	12V
1		GEMM50-2-CS1	93011542	GEMM50-2-CS1*	WARM WHITE	5000K	3	6.6	150	36	A++	0.36	12V
1		GEMM41-2	13620	GEMM41-2	WARM WHITE	4100K	3	8	150	34	A++	0.36	12V
1		GEMM41-2-CS1	93011543	GEMM41-2-CS1*	WARM WHITE	4100K	3	6.6	150	34	A++	0.36	12V
1		GEMM32-2	13625	GEMM32-2	WARM WHITE	3200K	3	8	150	30	A++	0.36	12V
1		GEMM32-2-CS1	93011544	GEMM32-2-CS1*	WARM WHITE	3200K	3	6.6	150	30	A++	0.36	12V
1		GEMMRD-1	98922	GEMMRD-1**	RED	625nm	3	8	150	11	NA	NA	12V
1		GEMMBL-1	98919	GEMMBL-1**	BLUE	467nm	3	8	150	8	NA	NA	12V
1		GEMMGL-1	98920	GEMMGL-1**	GREEN	530nm	3	8	150	24	NA	NA	12V
1		GEMMPO-1	98921	GEMMPO-1**	ORANGE	606nm	3	8	150	19	NA	NA	12V
2	TETRA® miniMAX Wet 13mm min. stroke width 38mm min. depth	GEMM71-W1	93011515	GEMM71-W1	WHITE	7100K	3	8	150	36	A++	0.36	12V
2		GEMM50-W1	93011516	GEMM50-W1	WHITE	5000K	3	8	150	36	A++	0.36	12V
2		GEMM41-W1	93011517	GEMM41-W1	WARM WHITE	4100K	3	8	150	34	A++	0.36	12V
2		GEMM32-W1	93011518	GEMM32-W1	WARM WHITE	3200K	3	8	150	30	A++	0.36	12V
2		GEMMRD-W1 MINIMAX WET RED	–	GEMMRD-W1	RED	625nm	3	8	150	10.8	NA	NA	12V
2		GEMMBL-W1 MINIMAX WET BLUE	–	GEMMBL-W1	BLUE	427nm	3	8	150	7.6	NA	NA	12V
2		GEMMGL-W1 MINMAX WET GREEN	–	GEMMGL-W1	GREEN	603nm	3	8	150	18.8	NA	NA	12V
2		GEMMPO-W1 MINIMAX WET ORANGE	–	GEMMPO-W1	ORANGE	530nm	3	8	150	22.4	NA	NA	12V
3	TETRA® miniMAX MS 13mm min. stroke width 38mm min. depth	GEMS71-1	14397	GEMS71-1	WHITE	7100K	3	8	Assym.	36	A++	0.42	12V
3		GEMS50-1	14398	GEMS50-1	WARM WHITE	5000K	3	8	Assym.	36	A++	0.42	12V
3		GEMS41-1	14399	GEMS41-1	WARM WHITE	4100K	3	8	Assym.	28	A++	0.42	12V
3		GEMS32-1	14407	GEMS32-1	WARM WHITE	3200K	3	8	Assym.	28	A++	0.42	12V
3		GEMSRD-1 MINIMAX MS 3 LED MOD RED	84438	GEMSRD-1	RED	625nm	3	8	Assym.	13.2	–	–	12V
3		GEMSBL-1 MINIMAX MS 3 LED MOD BLUE	84434	GEMSBL-1	BLUE	530nm	3	8	Assym.	22.4	–	–	12V
3		GEMSGL-1 MINIMAX MS 3 LED MOD GREEN	84437	GEMSGL-1	GREEN	467nm	3	8	Assym.	7.6	–	–	12V
4	TETRA® MAX 19mm min. stroke width 102mm min. height >305mm letter depth	GEMX71-2	13628	GEMX71-2*	WHITE	7100K	3	6.6	150	52	–	0.50	12V
4		GEMX50-2	13629	GEMX50-2**	WARM WHITE	5000K	3	6.6	150	52	A++	0.50	12V
4		GEMX41-2	13633	GEMX41-2*	WARM WHITE	4100K	3	6.6	150	47	A++	0.50	12V
4		GEMX32-2	13637	GEMX32-2*	WARM WHITE	3200K	3	6.6	150	43	A++	0.50	12V
4		GEMXRD-1	98925	GEMXRD-1*	RED	625nm	3	6.6	150	14	NA	NA	12V
4		GEMXBL-1	98923	GEMXBL-1*	BLUE	467nm	3	6.6	150	10	NA	NA	12V
4		GEMXGL-1	98924	GEMXGL-1*	GREEN	530nm	3	6.6	150	30	A++	0.53	12V
4		GEMXPO-1	98926	GEMXPO-1*	ORANGE	606nm	3	6.6	150	13	NA	NA	12V
4		GEMXRC-1	98927	GEMXRC-1*	RED-ORANGE	618nm	3	6.6	150	12	NA	NA	12V
4		GEMXYG-1	98928	GEMXYG-1*	AMBER	625nm	3	6.6	150	11	NA	NA	12V
4		GEMXH71-2	13638	GEMXH71-2**	WHITE	7100K	3	6.6	150	82	A++	0.79	12V
4		GEMXH50-2	13640	GEMXH50-2*	WARM WHITE	5000K	3	6.6	150	82	A++	0.79	12V
4		GEMXH41-2	13651	GEMXH41-2*	WARM WHITE	4100K	3	6.6	150	75	A++	0.79	12V
4		GEMXH32-2	13654	GEMXH32-2*	WARM WHITE	3200K	3	6.6	150	68	A++	0.79	12V
4		GEMXHRD-1	98929	GEMXHRD-1**	RED	625nm	4	6.6	150	16	NA	NA	12V

* While stock lasts. ** For current known projects.

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Tetra® Product Range

Product Lines	Part	Old Product Code	Future/Current Product Code	LED colour	CCT (K)	LEDs per Module	Modules per Metre	Viewing Angle (°)	Lumens per Module (Typical)	EEC	kWh/1000h	Voltage	Model
TETRA® MAX Wet 19mm min. stroke width >305mm letter height 102mm min. depth	GEMX71-W1	93013086	GEMX71-W1	WHITE	7100K	3	6.6	150	52	A++	0.50	12V	–
	GEMX50-W1	93013085	GEMX50-W1	WARM WHITE	5000K	3	6.6	150	52	A++	0.50	12V	–
	GEMX41-W1	93013074	GEMX41-W1	WARM WHITE	4100K	3	6.6	150	47	A++	0.50	12V	–
	GEMX32-W1	93013073	GEMX32-W1	WARM WHITE	3200K	3	6.6	150	43	A++	0.50	12V	–
	GEMXRD-W1 MAX WET RED	–	GEMXRD-W1	RED	625nm	3	6.6	150	14	NA	NA	12V	–
	GEMXBL-W1 MAX WET BLUE	–	GEMXBL-W1	BLUE	467nm	3	6.6	150	10	NA	NA	12V	–
	GEMXGL-W1 MAX WET GREEN	–	GEMXGL-W1	GREEN	530nm	3	6.6	150	28	NA	NA	12V	–
	GEMXPO-W1 MAX WET ORANGE	–	GEMXPO-W1	ORANGE	606nm	3	6.6	150	13	NA	NA	12V	–
	GEMXRC-W1 MAX WET RED ORANGE	–	GEMXRC-W1	RED-ORANGE	618nm	3	6.6	150	12	NA	NA	12V	–
	GEMXYG-W1 MAX WET AMBER	–	GEMXYG-W1	AMBER	589nm	3	6.6	150	11	NA	NA	12V	–
TETRA® MAX Wet 19mm min. stroke width >305mm letter height 102mm min. depth	GEMXH71-W1	93013055	GEMXH71-W1	WHITE	7100K	3	6.6	150	82	A++	0.79	12V	–
	GEMXH50-W1	93013072	GEMXH50-W1	WARM WHITE	5000K	3	6.6	150	82	A++	0.79	12V	–
	GEMXH41-W1	93013071	GEMXH41-W1	WARM WHITE	4100K	3	6.6	150	75	A++	0.79	12V	–
	GEMXH32-W1	93013060	GEMXH32-W1	WARM WHITE	3200K	3	6.6	150	68	A++	0.79	12V	–
	GEMXHRD-W1 MAX HO WET RED	–	GEMXHRD-W1	RED	625nm	4	6.6	150	16	NA	NA	12V	–
TETRA® PowerMAX 32mm min. stroke width 102mm min. height >=915mm letter depth	GEPM71-2	13661	GEPM71-2*	WHITE	7100K	3	5	150	133	A++	1.45	12V	4
	GEPM71-2-CS1	13665	GEPM71-2-CS1**	WHITE	7100K	3	3.3	150	133	A++	1.45	12V	4
	GEPM50-2	13668	GEPM50-2*	WARM WHITE	5000K	3	5	150	133	A++	1.45	12V	4
	GEPM50-2-CS1	93011545	GEPM50-2-CS1**	WARM WHITE	5000K	3	3.3	150	133	A++	1.45	12V	4
	GEPM41-2	13669	GEPM41-2*	WARM WHITE	4100K	3	5	150	120	A++	1.45	12V	4
	GEPM41-2-CS1	93011546	GEPM41-2-CS1*	WARM WHITE	5000K	3	3.3	150	120	A++	1.45	12V	4
	GEPM32-2	13671	GEPM32-2*	WARM WHITE	3200K	3	5	150	109	A++	1.45	12V	4
	GEPM32-2-CS1	93011547	GEPM32-2-CS1*	WARM WHITE	5000K	3	3.3	150	109	A++	1.45	12V	4
TETRA® PowerMAX Wet 32mm min. stroke width >=915mm letter height 102mm min. depth	GEPM71-W1	93013058	GEPM71-W1	WHITE	7100K	3	5	150	133	A++	1.45	12V	–
	GEPM50-W1	93013059	GEPM50-W1	WARM WHITE	5000K	3	5	150	133	A++	1.45	12V	–
	GEPM41-W1	93013057	GEPM41-W1	WARM WHITE	4100K	3	5	150	120	A++	1.45	12V	–
	GEPM32-W1	93013056	GEPM32-W1	WARM WHITE	3200K	3	5	150	109	A++	1.45	12V	–
TETRA® Power Strip 127mm min. depth	GESS71-1	95630	GESS71-1*	WHITE	7100K	5	3.3	140	280	A++	2.64	12V	5
	GESS2471-2 PSTRIP SS 7100K	–	GESS2471-2	WHITE	7100K	7	3.3	140	300	A++	2.64	24V	5
	GESS50-1	95631	GESS50-1*	WARM WHITE	5000K	5	3.3	140	280	A++	2.64	12V	5
	GESS2450-2 PSTRIP SS 5000K	–	GESS2450-2	WARM WHITE	5000K	7	3.3	140	300	A++	2.64	24V	5
	GESS41-1	95632	GESS41-1*	WARM WHITE	4100K	5	3.3	140	210	A++	2.64	12V	5
	GESS2441-2 PSTRIP SS 4100K	–	GESS2441-2	WARM WHITE	4100K	7	3.3	140	300	A++	2.64	24V	5
	GESS32-1	95633	GESS32-1*	WARM WHITE	3200K	5	3.3	140	210	A++	2.64	12V	5
	GESS2432-2 PSTRIP SS 3200K	–	GESS2432-2	WARM WHITE	3200K	7	3.3	140	300	A++	2.64	24V	5
	GESSH71-1	98942	GESSH71-1*	WHITE	7100K	8	3.3	140	360	A+	3.99	12V	5
	GESS24H71-1	93011555	GESS24H71-1	WHITE	7100K	14	3.3	140	368	A+	3.99	24V	5
	GESSH50-1	98943	GESSH50-1*	WARM WHITE	5000K	8	3.3	140	360	A+	3.99	12V	5
	GESS24H50-1	93011556	GESS24H50-1	WARM WHITE	5000K	14	3.3	140	368	A+	3.99	24V	5
	GESSH41-1	98944	GESSH41-1*	WARM WHITE	4100K	8	3.3	140	260	A+	3.99	12V	5
	GESS24H41-1	93011557	GESS24H41-1	WARM WHITE	4100K	14	3.3	140	344	A+	3.99	24V	5
	GESSH32-1	98945	GESSH32-1*	WARM WHITE	3200K	8	3.3	140	260	A+	3.99	12V	5
	GESS24H32-1	93011558	GESS24H32-1	WARM WHITE	3200K	14	3.3	140	344	A+	3.99	24V	5

* While stock lasts. ** For current known projects.

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LED Indoor Solutions / Signage

Tetra® Product Range

Model	Product Lines	Part	Old Product Code	Future/Current Product Code	LED colour	CCT (K)	LEDs per Module	Modules per Metre	Viewing Angle (°)	Lumens per Module (Typical)	EEC	kWh/1000h	Voltage
1	TETRA® PowerStrip DS 127mm min. depth from face	GEDS71-1	95636	GEDS71-1*	WHITE	7100K	10	3.3	140	560	A++	5.14	24V
1		GEDS71-2 PSTRIP DS 7100K	–	GEDS71-2	WHITE	7100K	14	3.3	140	600	A++	5.14	24V
1		GEDS50-1	95637	GEDS50-1	WARM WHITE	5000K	10	3.3	140	560	A++	5.14	24V
1		GEDS50-2 PSTRIP DS 5000K	–	GEDS50-2	WARM WHITE	5000K	14	3.3	140	600	A++	5.14	24V
1		GEDS41-1	95638*	GEDS41-1*	WARM WHITE	4100K	10	3.3	140	420	A++	5.14	24V
1		GEDS41-2 PSTRIP DS 4100K	–	GEDS41-2*	WARM WHITE	4100K	14	3.3	140	600	A++	5.14	24V
1		GEDS32-1	95639*	GEDS32-1*	WARM WHITE	3200K	10	3.3	140	420	A++	5.14	24V
1		GEDS32-2 PSTRIP DS 3200K	–	GEDS32-2*	WARM WHITE	3200K	14	3.3	140	600	A++	5.14	24V
1		GEDSH71-1	98946	GEDSH71-1*	WHITE	7100K	16	3.3	140	720	A+	7.21	24V
1		GEDSH71-2	93011551	GEDSH71-2	WHITE	7100K	28	3.3	140	735	A+	7.21	24V
1		GEDSH50-1	98947	GEDSH50-1*	WARM WHITE	5000K	16	3.3	140	720	A+	7.21	24V
1		GEDSH50-2	93011552	GEDSH50-2	WARM WHITE	5000K	28	3.3	140	735	A+	7.21	24V
1		GEDSH41-1	98948	GEDSH41-1*	WARM WHITE	4100K	16	3.3	140	520	A+	7.21	24V
1		GEDSH41-2	93011553	GEDSH41-2	WARM WHITE	4100K	28	3.3	140	687	A+	7.21	24V
1		GEDSH32-1	98949	GEDSH32-1*	WARM WHITE	3200K	16	3.3	140	520	A+	7.21	24V
1		GEDSH32-2	93011554	GEDSH32-2	WARM WHITE	3200K	28	3.3	140	687	A+	7.21	24V
2	TETRA® miniStrip 76mm min. depth	GEWHBSP3	98575	GEWHBSP3	WHITE	7100K	3	3.3	140	96	A++	1.21	12V
2		GEWWBSP3-50K	98578	GEWWBSP3-50K*	WARM WHITE	5000K	3	3.3	140	96	A++	1.21	12V
2		GEWWBSP3-41K	98577	GEWWBSP3-41K*	WARM WHITE	4100K	3	3.3	140	72	A++	1.21	12V
2		GEWWBSP3	98576	GEWWBSP3*	WARM WHITE	3200K	3	3.3	140	72	A++	1.21	12V
2		GEBSH71-1	98950	GEBSH71-1	WHITE	7100K	3	3.3	140	120	A++	1.64	12V
2		GEBSH50-1	98951	GEBSH50-1*	WARM WHITE	5000K	3	3.3	140	120	A++	1.64	12V
2		GEBSH41-1	98952	GEBSH41-1*	WARM WHITE	4100K	3	3.3	140	90	A+	1.64	12V
2		GEBSH32-1	98953	GEBSH32-1*	WARM WHITE	3200K	3	3.3	140	90	A+	1.64	12V
2	TETRA® miniStrip DS 76mm min. depth from face	GEWHBDP6	98579	GEWHBDP6	WHITE	7100K	6	3.3	140	192	A++	2.42	24V
2		GEWWBDP6-50K	98582	GEWWBDP6-50K*	WARM WHITE	5000K	6	3.3	140	192	A++	2.42	24V
2		GEWWBDP6-41K	98581	GEWWBDP6-41K*	WARM WHITE	4100K	6	3.3	140	144	A+	2.42	24V
2		GEWWBDP6	98580	GEWWBDP6*	WARM WHITE	3200K	6	3.3	140	144	A+	2.42	24V
2		GEBDH71-1	98954	GEBDH71-1	WHITE	7100K	6	3.3	140	240	A+	3.28	24V
2		GEBDH41-1	98956	–	WARM WHITE	4100K	6	3.3	140	180	A+	3.28	24V
2		GEBDH32-1	98957	–	WARM WHITE	3200K	6	3.3	140	180	A+	3.28	24V

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LED Indoor Solutions / Signage

Tetra® Product Range

Product Lines	Part	Old Product Code	Future/Current Product Code	LED colour	CCT (K)	LEDs per Module	Modules per Metre	Viewing Angle (°)	Lumens per Module (Typical)	EEC	kWh/1000h	Voltage	Model
TETRA® EdgeStrip 76mm min. depth	GEWHBIP2	98546	GEWHBIP2	WHITE	7100K	2	3.3	10 x 80	200	A++	2.64	24V	3
	GEBI71-2 EDGESTRIP 7100	–	GEBI71-2	WHITE	7100K	7	3.3	10 x 80	300	A++	2.64	24V	3
	GEWWBIP2-50K	98548	GEWWBIP2-50K	WARM WHITE	5000K	2	3.3	10 x 80	200	A++	2.64	24V	3
	GEBI50-2 EDGESTRIP 5000	–	GEBI50-2	WARM WHITE	5000K	7	3.3	10 x 80	300	A++	2.64	24V	3
	GEWWBIP2-41K	98547	GEWWBIP2-41K	WARM WHITE	4100K	2	3.3	10 x 80	150	A+	2.64	24V	3
	GEBI41-2 EDGESTRIP 4100	–	GEBI41-2	WARM WHITE	4100K	7	3.3	10 x 80	282	A++	2.64	24V	3
	GEWWBIP2	61322	GEWWBIP2	WARM WHITE	3200K	2	3.3	10 x 80	150	A+	2.64	24V	3
	GEBI32-2 EDGESTRIP 3200	–	GEBI32-2	WARM WHITE	3200K	7	3.3	10 x 80	282	A++	2.64	24V	3
	GEBIH71-1	98958	GEBIH71-1	WHITE	7100K	2	3.3	10 x 80	410	A+	5.94	24V	3
	GEBIH71-2	93011560	GEBIH71-2	WHITE	7100	7	3.3	27 x 80	550	A++	5.94	24V	3
	GEBIH50-1	98959	GEBIH50-1	WARM WHITE	5000K	2	3.3	10 x 80	410	A+	5.94	24V	3
	GEBIH50-2	93011561	GEBIH50-2	WARM WHITE	5000	7	3.3	27 x 80	550	A++	5.94	24V	3
	GEBIH41-1	98960	GEBIH41-1	WARM WHITE	4100K	2	3.3	10 x 80	330	A	5.94	24V	3
	GEBIH41-2	93011562	GEBIH41-2	WARM WHITE	4100	7	3.3	27 x 80	500	A++	5.94	24V	3
	GEBIH32-1	98961	GEBIH32-1	WARM WHITE	3200K	2	3.3	10 x 80	330	A	5.94	24V	3
	GEBIH32-2	93011521	GEBIH32-2	WARM WHITE	3200	7	3.3	27 x 80	500	A++	5.94	24V	3
TETRA® Contour LS Straight Border Lighting 15mm neon replacement	GEXNLRD-1	14035	GEXNLRD-1	RED/RED	625nm	–	–	330	–	NA	NA	24V	4
	GEXNLGL-1	14012	GEXNLGL-1	GREEN/GREEN	532nm	–	–	330	–	A	1.90	24V	4
	GEXNLBL-1	14003	GEXNLBL-1	BLUE/BLUE	467nm	–	–	330	–	NA	NA	24V	4
	GEXNL65-1	14036	GEXNL65-1	WHITE/WHITE	6500K	–	–	330	–	B	3.49	24V	4
	GEXNL32-1	14042	GEXNL32-1	WARM WHITE/WHITE	3200K	–	–	330	–	B	3.49	24V	4
TETRA® Contour Border & Accent Lighting 15mm neon replacement	GEXNRD-1	13966	GEXNRD-1	RED	625nm	–	–	330	–	NA	NA	24V	5
	GEXNGL-1	13964	GEXNGL-1	GREEN	532nm	–	–	330	–	A	1.67	24V	5
	GEXNBL-1	13962	GEXNBL-1	BLUE	467nm	–	–	330	–	NA	NA	24V	5
	GEXNRC-1	13965	GEXNRC-1	RED/ORANGE	618nm	–	–	330	–	B	2.50	24V	5
	GEXNYA-1	13975	GEXNYG-1	AMBER	589nm	–	–	330	–	NA	NA	24V	5
	GEXN65-1	13971	GEXN65-1	WHITE	6500K	–	–	330	–	B	3.49	24V	5
	GEXN32-1	13972	GEXN32-1	WARM WHITE	3200K	–	–	330	–	B	3.49	24V	5

Tetra® LineFit LED T8 Tetra® Product Range

Product Lines	Part	Old Product Code	Future/Current Product Code	LED colour	CCT (K)	Length (mm)	Cap	Viewing Angle (°)	Rated Lumens	EEC	kWh/1000h	Voltage	Model
Tetra® LineFit LED T8	LineFit LED T8/ 1500MM/765/24V	–	93021976	WHITE	6500	1500	G13	175x115	2500	TBA	TBA	24V	6
	LineFit LED T8 /1500MM/741/24V	–	93021977	WARM WHITE	4100	1500	G13	175x115	2500	TBA	TBA	24V	6

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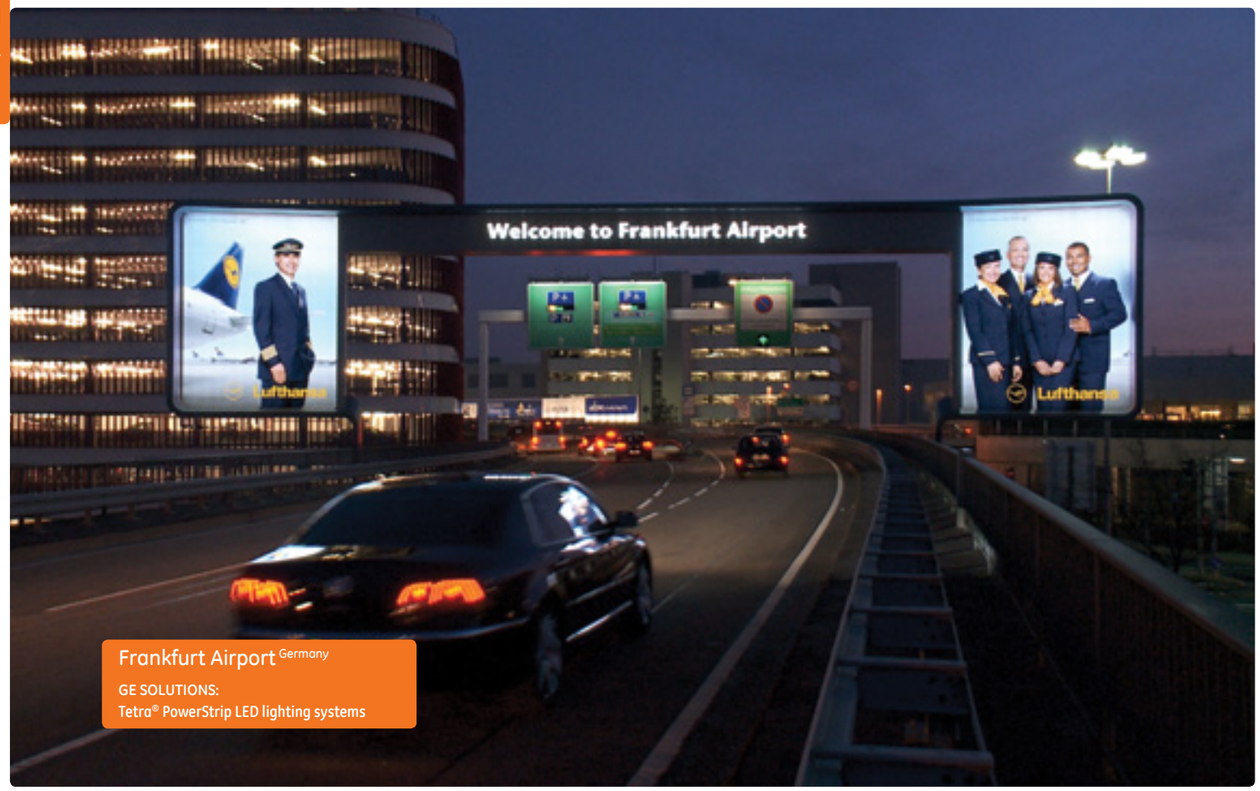
LED Indoor Solutions / Signage



Frankfurt Airport Germany

GE SOLUTIONS:
Tetra® PowerStrip LED lighting systems

Model	Product Lines	Part	Old Product Code	Future/Current Product Code	Wattage (W)	Number of Outputs	Dimmable Y/N	Dimming Type	Input Voltage	Frequency	Dimensions LxWxH (mm)	Location Rating	Output Voltage
Tetra® Product Range													
1	TETRA®LED Drivers	GEPS12-25U-EU PS 12VDC/25W	93011513	GEPS12-25U-EU	25W	1x 25W	N	–	108-305V	50/60Hz	133 x 40 x 30.5	DRY / DAMP	12V
1		GEPS12-60U-GL	98917	GEPS12-60U-GL	60W	1×60W	N	–	120-277V	50/60Hz	240 × 43 × 30	DRY / DAMP	12V
1		GEPS12W-60M	98617	GEPS12W-60M	60W	1×60W	N		100-240V	50/60Hz	307 × 52 × 32	WET	12V
1		GEPS12D-60	98615	GEPS12D-60U	60W	1×60W	Y	0 - 10V	100-277V	50/60Hz	240 × 43 × 30	DRY / DAMP	12V
1		GEPS24-25U-EU PS 24VDC/25W	93011514	GEPS24-25U-EU	25W	1X25W	N	–	108-305V	50/60Hz	240 × 43 × 30	DRY / DAMP	24V
1		GEPS24W-80M	98607	GEPS24W-80M	80W	1×80W	N	–	100-240V	50/60Hz	307 × 52 × 32	WET	24V
1		GEPS24D-80	98605	GEPS24D-80U	80W	1×80W	Y	0 - 10V	100-277V	50/60Hz	240 × 43 × 30	DRY / DAMP	24V
1		GEPS24-100U-GL	98941	GEPS24-100U-GL	100W	1×100W	N	–	120-277V	50/60Hz	240 × 43 × 30	DRY / DAMP	24V
1		GEPS24-180U	98602	GEPS24-180U	180W	2×90W	N	–	100-277V	50/60Hz	392 × 62 × 40	DRY / DAMP	24V

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LED Indoor Solutions / Refrigeration Display Lighting

Product Lines	Part	Product Code	Pack Qty	LED Colour	CCT (K)	Mounting	Dimensions LxWxH (mm)	Lumens per Module (Typical)	EEC	kWh/1000h	Voltage	Model
Refrigeration Display Lighting Product Range												
RH30 Standard – Horizontal	GEMT302430CAN-SB	69684	10	WHITE	3000K	Canopy	604 x 34 x 23	600	A	11.44	24V	2
	GEMT302430CAN-SY	69682	1	WHITE	3000K	Canopy	604 x 34 x 23	600	A	11.44	24V	2
	GEMT302430USL-SB	69690	10	WHITE	3000K	Undershelf	604 x 34 x 23	150	A	3.96	24V	2
	GEMT302430USL-SY	69689	1	WHITE	3000K	Undershelf	604 x 34 x 23	150	A	3.96	24V	2
	GEMT302435CAN-SB	69710	10	WHITE	3500K	Canopy	604 x 34 x 23	738	A	11.44	24V	2
	GEMT302435CAN-SY	69709	1	WHITE	3500K	Canopy	604 x 34 x 23	738	A	11.44	24V	2
	GEMT302435USL-SB	69716	10	WHITE	3500K	Undershelf	604 x 34 x 23	250	A	11.44	24V	2
	GEMT302435USL-SY	69715	1	WHITE	3500K	Undershelf	604 x 34 x 23	250	A	11.44	24V	2
	GEMT302440CAN-SB	69653	10	WHITE	4000K	Canopy	604 x 34 x 23	773	A	11.44	24V	2
	GEMT302440CAN-SY	69652	1	WHITE	4000K	Canopy	604 x 34 x 23	773	A	11.44	24V	2
	GEMT302440USL-SB	69665	10	WHITE	4000K	Undershelf	604 x 34 x 23	240	A+	3.96	24V	2
	GEMT302440USL-SY	69664	1	WHITE	4000K	Undershelf	604 x 34 x 23	240	A+	3.96	24V	2
	GEMT302450CAN-SB	69641	10	WHITE	5000K	Canopy	604 x 34 x 23	737	A	11.44	24V	2
	GEMT302450CAN-SY	69640	1	WHITE	5000K	Canopy	604 x 34 x 23	737	A	11.44	24V	2
	GEMT302450USL-SB	69647	10	WHITE	5000K	Undershelf	604 x 34 x 23	245	A+	3.96	24V	2
	GEMT302450USL-SY	69646	1	WHITE	5000K	Undershelf	604 x 34 x 23	245	A+	3.96	24V	2
	GEMT303630CAN-SB	69686	10	WHITE	3000K	Canopy	874 x 34 x 23	900	A	17.49	24V	2
	GEMT303630CAN-SY	69685	1	WHITE	3000K	Canopy	874 x 34 x 23	900	A	17.49	24V	2
	GEMT303630USL-SB	69694	10	WHITE	3000K	Undershelf	874 x 34 x 23	350	A	5.94	24V	2
	GEMT303630USL-SY	69691	1	WHITE	3000K	Undershelf	874 x 34 x 23	350	A	5.94	24V	2
	GEMT303635CAN-SB	69712	10	WHITE	3500K	Canopy	874 x 34 x 23	960	A	17.49	24V	2
	GEMT303635CAN-SY	69711	1	WHITE	3500K	Canopy	874 x 34 x 23	960	A	17.49	24V	2
	GEMT303635USL-SB	69718	10	WHITE	3500K	Undershelf	874 x 34 x 23	385	A+	5.94	24V	2
	GEMT303635USL-SY	69717	1	WHITE	3500K	Undershelf	874 x 34 x 23	385	A+	5.94	24V	2
	GEMT303640CAN-SB	69661	10	WHITE	4000K	Canopy	874 x 34 x 23	1 020	A	17.49	24V	2
	GEMT303640CAN-SY	69660	1	WHITE	4000K	Canopy	874 x 34 x 23	1 020	A	17.49	24V	2
	GEMT303640USL-SB	69667	10	WHITE	4000K	Undershelf	874 x 34 x 23	420	A+	5.94	24V	2
	GEMT303640USL-SY	69666	1	WHITE	4000K	Undershelf	874 x 34 x 23	420	A+	5.94	24V	2
	GEMT303650CAN-SB	69643	10	WHITE	5000K	Canopy	874 x 34 x 23	1 078	A	17.49	24V	2
	GEMT303650CAN-SY	69642	1	WHITE	5000K	Canopy	874 x 34 x 23	1 078	A	17.49	24V	2
	GEMT303650USL-SB	69649	10	WHITE	5000K	Undershelf	874 x 34 x 23	371	A+	5.94	24V	2
	GEMT303650USL-SY	69648	1	WHITE	5000K	Undershelf	874 x 34 x 23	371	A+	5.94	24V	2
	GEMT304830CAN-SB	69688	10	WHITE	3000K	Canopy	1144 x 34 x 23	1 200	A	23.65	24V	2
	GEMT304830CAN-SY	69687	1	WHITE	3000K	Canopy	1144 x 34 x 23	1 200	A	23.65	24V	2
	GEMT304830USL-SB	69696	10	WHITE	3000K	Undershelf	1144 x 34 x 23	450	A	7.81	24V	2
	GEMT304830USL-SY	69695	1	WHITE	3000K	Undershelf	1144 x 34 x 23	450	A	7.81	24V	2
	GEMT304835CAN-SB	69714	10	WHITE	3500K	Canopy	1144 x 34 x 23	1 300	A	23.65	24V	2
	GEMT304835CAN-SY	69713	1	WHITE	3500K	Canopy	1144 x 34 x 23	1 300	A	23.65	24V	2
	GEMT304835USL-SB	69720	10	WHITE	3500K	Undershelf	1144 x 34 x 23	515	A+	7.81	24V	2
	GEMT304835USL-SY	69719	1	WHITE	3500K	Undershelf	1144 x 34 x 23	515	A+	7.81	24V	2
	GEMT304840CAN-SB	69663	10	WHITE	4000K	Canopy	1144 x 34 x 23	1 400	A	23.65	24V	2
	GEMT304840CAN-SY	69662	1	WHITE	4000K	Canopy	1144 x 34 x 23	1 400	A	23.65	24V	2
	GEMT304840USL-SB	69669	10	WHITE	4000K	Undershelf	1144 x 34 x 23	560	A+	7.81	24V	2
	GEMT304840USL-SY	69668	1	WHITE	4000K	Undershelf	1144 x 34 x 23	560	A+	7.81	24V	2

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LED Indoor Solutions / Refrigeration Display Lighting

Model	Product Lines	Part	Product Code	Pack Qty	LED Colour	CCT (K)	Mounting	Dimensions LxWxH (mm)	Lumens per Module (Typical)	EEC	kWh/1000h	Voltage
Refrigeration Display Lighting Product Range												
–	RH30 – Standard – Horizontal	GEMT304850CAN-SB	69645	10	WHITE	5000K	Canopy	1144 x 34 x 23	1 440	A	23.65	24V
–		GEMT304850CAN-SY	69644	1	WHITE	5000K	Canopy	1144 x 34 x 23	1 440	A	23.65	24V
–		GEMT304850USL-SB	69651	10	WHITE	5000K	Undershelf	1144 x 34 x 23	500	A+	7.81	24V
–		GEMT304850USL-SY	69650	1	WHITE	5000K	Undershelf	1144 x 34 x 23	500	A+	7.81	24V
–	RH30 100W Driver	GEPS6000NCMUL-SY	68593	1	–	–	–	273 x 42 x28	–	–	–	24V
–	RH30 50W Driver	GEPS6500NCMUL-SY	68595	1	–	–	–	273 x 42 x28	–	–	–	24V
–	RH30 Mounting Clip	GEMT3000NCM1-SY	69721	1 pack of 2	–	–	–	27 x 26 x 30	–	–	–	–
–	RH30 Mounting Clip	GEMT3000NCM1-SB	69723	1 pack of 20	–	–	–	27 x 26 x 30	–	–	–	–
–	RH30 Premium – Horizontal	GEMT312430CAN-SB	69698	10	WHITE	3000K	Canopy	604 x 34 x 23	427	A	11.44	24V
–		GEMT312430CAN-SY	69697	1	WHITE	3000K	Canopy	604 x 34 x 23	427	A	11.44	24V
–		GEMT312430USL-SB	69704	10	WHITE	3000K	Undershelf	604 x 34 x 23	160	A	5.94	24V
–		GEMT312430USL-SY	69703	1	WHITE	3000K	Undershelf	604 x 34 x 23	160	A	5.94	24V
–		GEMT312440CAN-SB	69671	10	WHITE	4000K	Canopy	604 x 34 x 23	481	A	11.44	24V
–		GEMT312440CAN-SY	69670	1	WHITE	4000K	Canopy	604 x 34 x 23	481	A	11.44	24V
–		GEMT312440USL-SB	69677	10	WHITE	4000K	Undershelf	604 x 34 x 23	181	A	3.96	24V
–		GEMT312440USL-SY	69676	1	WHITE	4000K	Undershelf	604 x 34 x 23	181	A	3.96	24V
–		GEMT313630CAN-SB	69700	10	WHITE	3000K	Canopy	890 x 34 x 23	630	A	17.49	24V
–		GEMT313630CAN-SY	69699	1	WHITE	3000K	Canopy	890 x 34 x 23	630	A	17.49	24V
–		GEMT313630USL-SB	69706	10	WHITE	3000K	Undershelf	890 x 34 x 23	242	A	5.94	24V
–		GEMT313630USL-SY	69705	1	WHITE	3000K	Undershelf	890 x 34 x 23	242	A	5.94	24V
–		GEMT313640CAN-SB	69673	10	WHITE	4000K	Canopy	890 x 34 x 23	730	A	17.49	24V
–		GEMT313640CAN-SY	69672	1	WHITE	4000K	Canopy	890 x 34 x 23	730	A	17.49	24V
–		GEMT313640USL-SB	69679	10	WHITE	4000K	Undershelf	890 x 34 x 23	274	A	5.94	24V
–		GEMT313640USL-SY	69678	1	WHITE	4000K	Undershelf	890 x 34 x 23	274	A	5.94	24V
–		GEMT314830CAN-SB	69702	10	WHITE	3000K	Canopy	1160 x 34 x 23	812	A	23.65	24V
–		GEMT314830CAN-SY	69701	1	WHITE	3000K	Canopy	1160 x 34 x 23	812	A	23.65	24V
–		GEMT314830USL-SB	69708	10	WHITE	3000K	Undershelf	1160 x 34 x 23	320	A	7.81	24V
–		GEMT314830USL-SY	69707	1	WHITE	3000K	Undershelf	1160 x 34 x 23	320	A	7.81	24V
–		GEMT314840CAN-SB	69675	10	WHITE	4000K	Canopy	1160 x 34 x 23	937	A	23.65	24V
–		GEMT314840CAN-SY	69674	1	WHITE	4000K	Canopy	1160 x 34 x 23	937	A	23.65	24V
–		GEMT314840USL-SB	69681	10	WHITE	4000K	Undershelf	1160 x 34 x 23	357	A	7.81	24V
–		GEMT314840USL-SY	69680	1	WHITE	4000K	Undershelf	1160 x 34 x 23	357	A	7.81	24V
–	RH30 100W Driver	GEPS6000NCMUL-SY	68593	1	–	–	–	273 x 42 x28	–	–	–	24V
–	RH30 50W Driver	GEPS6500NCMUL-SY	68595	1	–	–	–	273 x 42 x28	–	–	–	24V
–	RH30 Mounting Clip	GEMT3000NCM1-SY	69721	1 pack of 2	–	–	–	27 x 26 x 30	–	–	–	–
–	RH30 Mounting Clip	GEMT3000NCM1-SB	69723	1 pack of 20	–	–	–	27 x 26 x 30	–	–	–	–

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GE SOLUTIONS:
Immersion™ RDL Solution

LED Indoor Solutions / Refrigeration Display Lighting

LED Indoor

Product Lines	Part	Product Code	Pack Qty	LED Colour	CCT (K)	Mounting	Dimensions LxWxH (mm)	Lumens per Module (Typical)	EEC	kWh/1000h	Voltage	Model
Refrigeration Display Lighting Product Range												
RV 45 – Vertical	GELT4E6040CTR-SB	67795	10	WHITE	4000K	Centre	1498 x 42 x 32	840	A	12.65	12V	1
	GELT4E6040CTR-SY	67792	1	WHITE	4000K	Centre	1498 x 42 x 32	840	A	12.65	12V	1
	GELT4E6040EDL-SB	67797	10	WHITE	4000K	Left	1502 x 39 x 37	488	A+	6.49	12V	1
	GELT4E6040EDL-SY	67794	1	WHITE	4000K	Left	1502 x 39 x 37	488	A+	6.49	12V	1
	GELT4E6040EDR-SB	67796	10	WHITE	4000K	Right	1502 x 39 x 37	488	A+	6.49	12V	1
	GELT4E6040EDR-SY	67793	1	WHITE	4000K	Right	1502 x 39 x 37	488	A+	6.49	12V	1
	GELT4E6050CTR-SB	67789	10	WHITE	5000K	Centre	1498 x 42 x 32	935	A+	12.65	12V	1
	GELT4E6050CTR-SY	67786	1	WHITE	5000K	Centre	1498 x 42 x 32	935	A+	12.65	12V	1
	GELT4E6050EDL-SB	67791	10	WHITE	5000K	Left	1502 x 39 x 37	542	A+	6.49	12V	1
	GELT4E6050EDL-SY	67788	1	WHITE	5000K	Left	1502 x 39 x 37	542	A+	6.49	12V	1
	GELT4E6050EDR-SB	67790	10	WHITE	5000K	Right	1502 x 39 x 37	542	A+	6.49	12V	1
	GELT4E6050EDR-SY	67787	1	WHITE	5000K	Right	1502 x 39 x 37	542	A+	6.49	12V	1
	GELT4E7040CTR-SB	67807	10	WHITE	4000K	Centre	1762 x 42 x 32	939	A	15.18	12V	1
	GELT4E7040CTR-SY	67804	1	WHITE	4000K	Centre	1762 x 42 x 32	939	A	15.18	12V	1
	GELT4E7040EDL-SB	67809	10	WHITE	4000K	Left	1766 x 39 x 37	599	A+	7.92	12V	1
	GELT4E7040EDL-SY	67806	1	WHITE	4000K	Left	1766 x 39 x 37	599	A+	7.92	12V	1
	GELT4E7040EDR-SB	67808	10	WHITE	4000K	Right	1766 x 39 x 37	599	A+	7.92	12V	1
	GELT4E7040EDR-SY	67805	1	WHITE	4000K	Right	1766 x 39 x 37	599	A+	7.92	12V	1
	GELT4E7050CTR-SB	67801	10	WHITE	5000K	Centre	1762 x 42 x 32	1166	A+	15.18	12V	1
	GELT4E7050CTR-SY	67798	1	WHITE	5000K	Centre	1762 x 42 x 32	1166	A+	15.18	12V	1
	GELT4E7050EDL-SB	67803	10	WHITE	5000K	Left	1766 x 39 x 37	686	A+	7.92	12V	1
	GELT4E7050EDL-SY	67800	1	WHITE	5000K	Left	1766 x 39 x 37	686	A+	7.92	12V	1
	GELT4E7050EDR-SB	67802	10	WHITE	5000K	Right	1766 x 39 x 37	686	A+	7.92	12V	1
	GELT4E7050EDR-SY	67799	1	WHITE	5000K	Right	1766 x 39 x 37	686	A+	7.92	12V	1
RV45 Driver	GEPS4000NCMUL-SY	79813	1	–	–	–	273 x 42 x 27	–	–	–	12V	–
RV45 Wire Cover	GE-CV-4060CTR	79814	1 pack of 10	–	–	–	45 x 36 x 30	–	–	–	–	–
RV60 – Vertical	GELT604835CTR-SB	85757	10	WHITE	3500K	Centre	1233 x 66 x 33	813	A	12.32	24V	–
	GELT604835CTR-SY	85754	1	WHITE	3500K	Centre	1233 x 66 x 33	813	A	12.32	24V	–
	GELT604835EDL-SB	85759	10	WHITE	3500K	Left	1233 x 53 x 40	500	A+	7.59	24V	–
	GELT604835EDL-SY	85756	1	WHITE	3500K	Left	1233 x 53 x 40	500	A+	7.59	24V	–
	GELT604835EDR-SB	85758	10	WHITE	3500K	Right	1233 x 53 x 40	500	A+	7.59	24V	–
	GELT604835EDR-SY	85755	1	WHITE	3500K	Right	1233 x 53 x 40	500	A+	7.59	24V	–
	GELT604840CTR-SB	85751	10	WHITE	4000K	Centre	1233 x 66 x 33	844	A	12.32	24V	–
	GELT604840CTR-SY	85748	1	WHITE	4000K	Centre	1233 x 66 x 33	844	A	12.32	24V	–
	GELT604840EDL-SB	85753	10	WHITE	4000K	Left	1233 x 53 x 40	534	A+	7.59	24V	–
	GELT604840EDL-SY	85750	1	WHITE	4000K	Left	1233 x 53 x 40	534	A+	7.59	24V	–
	GELT604840EDR-SB	85752	10	WHITE	4000K	Right	1233 x 53 x 40	534	A+	7.59	24V	–
	GELT604840EDR-SY	85749	1	WHITE	4000K	Right	1233 x 53 x 40	534	A+	7.59	24V	–
	GELT604850CTR-SB	85745	10	WHITE	5000K	Centre	1233 x 66 x 33	896	A	12.32	24V	–
	GELT604850CTR-SY	85742	1	WHITE	5000K	Centre	1233 x 66 x 33	896	A	12.32	24V	–
	GELT604850EDL-SB	85747	10	WHITE	5000K	Left	1233 x 53 x 40	559	A+	7.59	24V	–
	GELT604850EDL-SY	85744	1	WHITE	5000K	Left	1233 x 53 x 40	559	A+	7.59	24V	–
	GELT604850EDR-SB	85746	10	WHITE	5000K	Right	1233 x 53 x 40	559	A+	7.59	24V	–

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LED Indoor Solutions / Refrigeration Display Lighting

Model	Product Lines	Part	Product Code	Pack Qty	LED Colour	CCT (K)	Mounting	Dimensions LxWxH (mm)	Lumens per Module (Typical)	EEC	kWh/1000h	Voltage
Refrigeration Display Lighting Product Range												
–	RV60 – Vertical	GELT604850EDR-SY	85743	1	WHITE	5000K	Right	1233 x 53 x 40	559	A+	7.59	24V
–		GELT606035CTR-SB	85714	10	WHITE	3500K	Centre	1533 x 66 x 33	908	A	15.29	24V
–		GELT606035CTR-SY	85711	1	WHITE	3500K	Centre	1533 x 66 x 33	908	A	15.29	24V
–		GELT606035EDL-SB	85716	10	WHITE	3500K	Left	1533 x 53 x 40	516	A+	7.70	24V
–		GELT606035EDL-SY	85713	1	WHITE	3500K	Left	1533 x 53 x 40	516	A+	7.70	24V
–		GELT606035EDR-SB	85715	10	WHITE	3500K	Right	1533 x 53 x 40	516	A+	7.70	24V
–		GELT606035EDR-SY	85712	1	WHITE	3500K	Right	1533 x 53 x 40	516	A+	7.70	24V
–		GELT606040CTR-SB	85708	10	WHITE	4000K	Centre	1533 x 66 x 33	1 023	A	15.29	24V
–		GELT606040CTR-SY	85705	1	WHITE	4000K	Centre	1533 x 66 x 33	1 023	A	15.29	24V
–		GELT606040EDL-SB	85710	10	WHITE	4000K	Left	1533 x 53 x 40	577	A+	7.70	24V
–		GELT606040EDL-SY	85707	1	WHITE	4000K	Left	1533 x 53 x 40	577	A+	7.70	24V
–		GELT606040EDR-SB	85709	10	WHITE	4000K	Right	1533 x 53 x 40	577	A+	7.70	24V
–		GELT606040EDR-SY	85706	1	WHITE	4000K	Right	1533 x 53 x 40	577	A+	7.70	24V
–		GELT606050CTR-SB	85702	10	WHITE	5000K	Centre	1533 x 66 x 33	1 020	A	15.29	24V
–		GELT606050CTR-SY	85699	1	WHITE	5000K	Centre	1533 x 66 x 33	1 020	A	15.29	24V
–		GELT606050EDL-SB	85704	10	WHITE	5000K	Left	1533 x 53 x 40	569	A+	7.70	24V
–		GELT606050EDL-SY	85701	1	WHITE	5000K	Left	1533 x 53 x 40	569	A+	7.70	24V
–		GELT606050EDR-SB	85703	10	WHITE	5000K	Right	1533 x 53 x 40	569	A+	7.70	24V
–		GELT606050EDR-SY	85700	1	WHITE	5000K	Right	1533 x 53 x 40	569	A+	7.70	24V
–		GELT606735CTR-SB	85739	10	WHITE	3500K	Centre	1714 x 66 x 33	1 105	A	16.94	24V
–		GELT606735CTR-SY	85736	1	WHITE	3500K	Centre	1714 x 66 x 33	1 105	A	16.94	24V
–		GELT606735EDL-SB	85741	10	WHITE	3500K	Left	1714 x 53 x 40	667	A	9.68	24V
–		GELT606735EDL-SY	85738	1	WHITE	3500K	Left	1714 x 53 x 40	667	A	9.68	24V
–		GELT606735EDR-SB	85740	10	WHITE	3500K	Right	1714 x 53 x 40	667	A	9.68	24V
–		GELT606735EDR-SY	85737	1	WHITE	3500K	Right	1714 x 53 x 40	667	A	9.68	24V
–		GELT606740CTR-SB	85728	10	WHITE	4000K	Centre	1714 x 66 x 33	1 142	A	16.94	24V
–		GELT606740CTR-SY	85725	1	WHITE	4000K	Centre	1714 x 66 x 33	1 142	A	16.94	24V
–		GELT606740EDL-SB	85735	10	WHITE	4000K	Left	1714 x 53 x 40	683	A	9.68	24V
–		GELT606740EDL-SY	85727	1	WHITE	4000K	Left	1714 x 53 x 40	683	A	9.68	24V
–		GELT606740EDR-SB	85734	10	WHITE	4000K	Right	1714 x 53 x 40	683	A	9.68	24V
–		GELT606740EDR-SY	85726	1	WHITE	4000K	Right	1714 x 53 x 40	683	A	9.68	24V
–		GELT606750CTR-SB	85722	10	WHITE	5000K	Centre	1714 x 66 x 33	1 227	A	16.94	24V
–		GELT606750CTR-SY	85717	1	WHITE	5000K	Centre	1714 x 66 x 33	1 227	A	16.94	24V
–		GELT606750EDL-SB	85724	10	WHITE	5000K	Left	1714 x 53 x 40	745	A+	9.68	24V
–		GELT606750EDL-SY	85721	1	WHITE	5000K	Left	1714 x 53 x 40	745	A+	9.68	24V
–		GELT606750EDR-SB	85723	10	WHITE	5000K	Right	1714 x 53 x 40	745	A+	9.68	24V
–		GELT606750EDR-SY	85720	1	WHITE	5000K	Right	1714 x 53 x 40	745	A+	9.68	24V
–	RV60 100W Driver	GEPS6000NCMUL-SY	68593	1	–	–	–	273 x 42 x 28	–	–	–	24V
–	RV60 50W Driver	GEPS6500NCMUL-SY	68595	1	–	–	–	273 x 42 x 28	–	–	–	24V
–	RV60 Wire Cover	GE-CV-4060CTR	79814	1 pack of 10	–	–	–	45 x 36 x 30	–	–	–	–

LED Indoor Solutions / Refrigeration Display Lighting

LED Indoor

Product Lines	Part	Product Code	Pack Qty	Wattage (W)	CCT (K)	Mounting	Dimensions Length (Inches/mm)	Light Output (lm)	Lumens Per Watt	CRI (Ra)	Voltage	Model
Refrigeration Display Lighting Product Range												
Immersion™ Elite Freezer Door Eco	ELV1E4835CS	93025128	1	7.92	3500	Centre	48/1219	899	113	80	24V	1
	ELV1E4835RS	93025129	1	5.28	3500	End Right	48/1219	545	103	80	24V	1
	ELV1E4835LS	93025130	1	5.28	3500	End Left	48/1219	545	103	80	24V	1
	ELV1E4835CB	93025181	10	7.92	3500	Centre	48/1219	899	113	80	24V	1
	ELV1E4835RB	93025182	10	5.28	3500	End Right	48/1219	545	103	80	24V	1
	ELV1E4835LB	93025183	10	5.28	3500	End Left	48/1219	545	103	80	24V	1
	ELV1E4840CS	93025184	1	7.92	4000	Centre	48/1219	912	115	80	24V	1
	ELV1E4840RS	93025185	1	5.28	4000	End Right	48/1219	553	105	80	24V	1
	ELV1E4840LS	93025186	1	5.28	4000	End Left	48/1219	553	105	80	24V	1
	ELV1E4840CB	93025187	10	7.92	4000	Centre	48/1219	912	115	80	24V	1
	ELV1E4840RB	93025188	10	5.28	4000	End Right	48/1219	553	105	80	24V	1
	ELV1E4840LB	93025189	10	5.28	4000	End Left	48/1219	553	105	80	24V	1
	ELV1E4850CS	93025035	1	7.92	5000	Centre	48/1219	965	122	80	24V	1
	ELV1E4850RS	93025036	1	5.28	5000	End Right	48/1219	585	111	80	24V	1
	ELV1E4850LS	93025037	1	5.28	5000	End Left	48/1219	585	111	80	24V	1
	ELV1E4850CB	93025038	10	7.92	5000	Centre	48/1219	965	122	80	24V	1
	ELV1E4850RB	93025039	10	5.28	5000	End Right	48/1219	585	111	80	24V	1
	ELV1E4850LB	93025040	10	5.28	5000	End Left	48/1219	585	111	80	24V	1
	ELV1E6035CS	93025190	1	10.08	3500	Centre	60/1524	1 132	112	80	24V	1
	ELV1E6035RS	93025191	1	5.28	3500	End Right	60/1524	545	103	80	24V	1
	ELV1E6035LS	93025192	1	5.28	3500	End Left	60/1524	545	103	80	24V	1
	ELV1E6035CB	93025193	10	10.08	3500	Centre	60/1524	1 132	112	80	24V	1
	ELV1E6035RB	93025194	10	5.28	3500	End Right	60/1524	545	103	80	24V	1
	ELV1E6035LB	93025195	10	5.28	3500	End Left	60/1524	545	103	80	24V	1
	ELV1E6040CS	93023335	1	10.08	4000	Centre	60/1524	1 150	114	80	24V	1
	ELV1E6040RS	93023386	1	5.28	4000	End Right	60/1524	553	105	80	24V	1
	ELV1E6040LS	93023397	1	5.28	4000	End Left	60/1524	553	105	80	24V	1
	ELV1E6040CB	93023405	10	10.08	4000	Centre	60/1524	1 150	114	80	24V	1
	ELV1E6040RB	93023406	10	5.28	4000	End Right	60/1524	553	105	80	24V	1
	ELV1E6040LB	93023407	10	5.28	4000	End Left	60/1524	553	105	80	24V	1
	ELV1E6050CS	93023408	1	10.08	5000	Centre	60/1524	1 216	121	80	24V	1
	ELV1E6050RS	93023409	1	5.28	5000	End Right	60/1524	585	111	80	24V	1
	ELV1E6050LS	93023410	1	5.28	5000	End Left	60/1524	585	111	80	24V	1
	ELV1E6050CB	93023336	10	10.08	5000	Centre	60/1524	1 216	121	80	24V	1
	ELV1E6050RB	93023337	10	5.28	5000	End Right	60/1524	585	111	80	24V	1
	ELV1E6050LB	93023338	10	5.28	5000	End Left	60/1524	585	111	80	24V	1
	ELV1E6735CS	93025196	1	10.08	3500	Centre	67/1708	1 132	112	80	24V	1
	ELV1E6735RS	93025197	1	6.72	3500	End Right	67/1708	686	102	80	24V	1
	ELV1E6735LS	93025198	1	6.72	3500	End Left	67/1708	686	102	80	24V	1
	ELV1E6735CB	93025199	10	10.08	3500	Centre	67/1708	1 132	112	80	24V	1

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LED Indoor Solutions / Refrigeration Display Lighting

Refrigeration Display Lighting Product Range

Model	Product Lines	Part	Product Code	Pack Qty	Wattage (W)	CCT (K)	Mounting	Dimensions Length (Inches/mm)	Light Output (lm)	Lumens Per Watt	CRI (Ra)	Voltage
1	Immersion™ Elite Freezer Door Eco	ELV1E6735RB	93025200	10	6.72	3500	End Right	67/1708	686	102	80	24V
1		ELV1E6735LB	93025201	10	6.72	3500	End Left	67/1708	686	102	80	24V
1		ELV1E6740CS	93025202	1	10.08	4000	Centre	67/1708	1 150	114	80	24V
1		ELV1E6740RS	93025203	1	6.72	4000	End Right	67/1708	697	104	80	24V
1		ELV1E6740LS	93025204	1	6.72	4000	End Left	67/1708	697	104	80	24V
1		ELV1E6740CB	93025205	10	10.08	4000	Centre	67/1708	1 150	114	80	24V
1		ELV1E6740RB	93025206	10	6.72	4000	End Right	67/1708	697	104	80	24V
1		ELV1E6740LB	93025207	10	6.72	4000	End Left	67/1708	697	104	80	24V
1		ELV1E6750CS	93025051	1	10.08	5000	Centre	67/1708	1 216	121	80	24V
1		ELV1E6750RS	93025052	1	6.72	5000	End Right	67/1708	737	110	80	24V
–		ELV1E6750LS	93025053	1	6.72	5000	End Left	67/1708	737	110	80	24V
1		ELV1E6750CB	93025054	10	10.08	5000	Centre	67/1708	1 216	121	80	24V
–		ELV1E6750RB	93025055	10	6.72	5000	End Right	67/1708	737	110	80	24V
1		ELV1E6750LB	93025056	10	6.72	5000	End Left	67/1708	737	110	80	24V
–	Immersion™ Elite Freezer Door Standard	ELV1S4835CS	93025208	1	13.44	3500	Centre	48/1219	1 327	99	85	24V
1		ELV1S4835RS	93025209	1	7.92	3500	End Right	48/1219	718	91	85	24V
–		ELV1S4835LS	93025210	1	7.92	3500	End Left	48/1219	718	91	85	24V
1		ELV1S4835CB	93025211	10	13.44	3500	Centre	48/1219	1 327	99	85	24V
–		ELV1S4835RB	93025212	10	7.92	3500	End Right	48/1219	718	91	85	24V
1		ELV1S4835LB	93025213	10	7.92	3500	End Left	48/1219	718	91	85	24V
–		ELV1S4840CS	93025214	1	13.44	4000	Centre	48/1219	1 347	100	85	24V
1		ELV1S4840RS	93025215	1	7.92	4000	End Right	48/1219	729	92	85	24V
–		ELV1S4840LS	93025216	1	7.92	4000	End Left	48/1219	729	92	85	24V
1		ELV1S4840CB	93025217	10	13.44	4000	Centre	48/1219	1 347	100	85	24V
1		ELV1S4840RB	93025218	10	7.92	4000	End Right	48/1219	729	92	85	24V
1		ELV1S4840LB	93025219	10	7.92	4000	End Left	48/1219	729	92	85	24V
1		ELV1S4850CS	93025220	1	13.44	5000	Centre	48/1219	1 443	107	85	24V
1		ELV1S4850RS	93025221	1	7.92	5000	End Right	48/1219	781	99	85	24V
1		ELV1S4850LS	93025222	1	7.92	5000	End Left	48/1219	781	99	85	24V
1		ELV1S4850CB	93025223	10	13.44	5000	Centre	48/1219	1 443	107	85	24V
1		ELV1S4850RB	93025224	10	7.92	5000	End Right	48/1219	781	99	85	24V
1		ELV1S4850LB	93025225	10	7.92	5000	End Left	48/1219	781	99	85	24V
1		ELV1S6035CS	93025226	1	16.8	3500	Centre	60/1524	1 658	99	85	24V
1		ELV1S6035RS	93025227	1	10.56	3500	End Right	60/1524	957	91	85	24V
1		ELV1S6035LS	93025228	1	10.56	3500	End Left	60/1524	957	91	85	24V
1		ELV1S6035CB	93025229	10	16.8	3500	Centre	60/1524	1 658	99	85	24V
1		ELV1S6035RB	93025230	10	10.56	3500	End Right	60/1524	957	91	85	24V
1		ELV1S6035LB	93025231	10	10.56	3500	End Left	60/1524	957	91	85	24V
1		ELV1S6040CS	93023339	1	16.8	4000	Centre	60/1524	1 684	100	85	24V
1		ELV1S6040RS	93023340	1	10.56	4000	End Right	60/1524	972	92	85	24V
1		ELV1S6040LS	93023381	1	10.56	4000	End Left	60/1524	972	92	85	24V
1		ELV1S6040CB	93023382	10	16.8	4000	Centre	60/1524	1 684	100	85	24V

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LED Indoor Solutions / Refrigeration Display Lighting

Refrigeration Display Lighting Product Range

Product Lines	Part	Product Code	Pack Qty	Wattage (W)	CCT (K)	Mounting	Dimensions Length (Inches/mm)	Light Output (lm)	Lumens Per Watt	CRI (Ra)	Voltage	Model
Immersion™ Elite Freezer Door Standard	ELV1S6040RB	93023383	10	10.56	4000	End Right	60/1524	972	92	85	24V	1
	ELV1S6040LB	93023384	10	10.56	4000	End Left	60/1524	972	92	85	24V	1
	ELV1S6050CS	93023385	1	16.8	5000	Centre	60/1524	1 804	107	85	24V	1
	ELV1S6050RS	93023387	1	10.56	5000	End Right	60/1524	1 041	99	85	24V	1
	ELV1S6050LS	93023388	1	10.56	5000	End Left	60/1524	1 041	99	85	24V	1
	ELV1S6050CB	93023389	10	16.8	5000	Centre	60/1524	1 804	107	85	24V	1
	ELV1S6050RB	93023390	10	10.56	5000	End Right	60/1524	1 041	99	85	24V	1
	ELV1S6050LB	93023391	10	10.56	5000	End Left	60/1524	1 041	99	85	24V	1
	ELV1S6735CS	93025232	1	16.8	3500	Centre	67/1708	1 658	99	85	24V	1
	ELV1S6735RS	93025233	1	10.56	3500	End Right	67/1708	957	91	85	24V	1
	ELV1S6735LS	93025234	1	10.56	3500	End Left	67/1708	957	91	85	24V	1
	ELV1S6735CB	93025235	10	16.8	3500	Centre	67/1708	1 658	99	85	24V	1
	ELV1S6735RB	93025236	10	10.56	3500	End Right	67/1708	957	91	85	24V	1
	ELV1S6735LB	93025237	10	10.56	3500	End Left	67/1708	957	91	85	24V	1
	ELV1S6740CS	93025069	1	16.8	4000	Centre	67/1708	1 684	100	85	24V	1
	ELV1S6740CS	93025069	1	16.8	4000	Centre	67/1708	1 684	100	85	24V	1
	ELV1S6740RS	93025070	1	10.56	4000	End Right	67/1708	972	92	85	24V	1
	ELV1S6740LS	93025071	1	10.56	4000	End Left	67/1708	972	92	85	24V	1
	ELV1S6740CB	93025072	10	16.8	4000	Centre	67/1708	1 684	100	85	24V	1
	ELV1S6740RB	93025073	10	10.56	4000	End Right	67/1708	972	92	85	24V	1
	ELV1S6740LB	93025074	10	10.56	4000	End Left	67/1708	972	92	85	24V	1
	ELV1S6750CS	93025075	1	16.8	5000	Centre	67/1708	1 804	107	85	24V	1
	ELV1S6750RS	93025076	1	10.56	5000	End Right	67/1708	1 041	99	85	24V	1
	ELV1S6750LS	93025077	1	10.56	5000	End Left	67/1708	1 041	99	85	24V	1
	ELV1S6750CB	93025078	10	16.8	5000	Centre	67/1708	1 804	107	85	24V	1
	ELV1S6750RB	93025079	10	10.56	5000	End Right	67/1708	1 041	99	85	24V	1
	ELV1S6750LB	93025080	10	10.56	5000	End Left	67/1708	1 041	99	85	24V	1
Immersion™ Elite Freezer Door Premium	ELV1P4835CS	93025238	1	16.8	3500	Centre	48/1219	1 486	88	90	24V	1
	ELV1P4835RS	93025239	1	10.08	3500	End Right	48/1219	811	80	90	24V	1
	ELV1P4835LS	93025240	1	10.08	3500	End Left	48/1219	811	80	90	24V	1
	ELV1P4835CB	93025241	10	16.8	3500	Centre	48/1219	1 486	88	90	24V	1
	ELV1P4835RB	93025242	10	10.08	3500	End Right	48/1219	811	80	90	24V	1
	ELV1P4835LB	93025243	10	10.08	3500	End Left	48/1219	811	80	90	24V	1
	ELV1P4840CS	93025244	1	16.8	4000	Centre	48/1219	1 510	90	90	24V	1
	ELV1P4840RS	93025245	1	10.08	4000	End Right	48/1219	823	82	90	24V	1
	ELV1P4840LS	93025246	1	10.08	4000	End Left	48/1219	823	82	90	24V	1
	ELV1P4840CB	93025247	10	16.8	4000	Centre	48/1219	1 510	90	90	24V	1
	ELV1P4840RB	93025248	10	10.08	4000	End Right	48/1219	823	82	90	24V	1
	ELV1P4840LB	93025249	10	10.08	4000	End Left	48/1219	823	82	90	24V	1
	ELV1P4850CS	93025250	1	16.8	5000	Centre	48/1219	1 637	97	90	24V	1
	ELV1P4850RS	93025251	1	10.08	5000	End Right	48/1219	893	89	90	24V	1
	ELV1P4850LS	93025252	1	10.08	5000	End Left	48/1219	893	89	90	24V	1

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LED Indoor Solutions / Refrigeration Display Lighting

Refrigeration Display Lighting Product Range

Model	Product Lines	Part	Product Code	Pack Qty	Wattage (W)	CCT (K)	Mounting	Dimensions Length (Inches/mm)	Light Output (lm)	Lumens Per Watt	CRI (Ra)	Voltage
1	Immersion™ Elite Freezer Door Premium	ELV1P4850CB	93025253	10	16.8	5000	Centre	48/1219	1 637	97	90	24V
1		ELV1P4850RB	93025254	10	10.08	5000	End Right	48/1219	893	89	90	24V
1		ELV1P4850LB	93025255	10	10.08	5000	End Left	48/1219	893	89	90	24V
1		ELV1P6035CS	93025256	1	20.16	3500	Centre	60/1524	1 784	88	90	24V
1		ELV1P6035RS	93025257	1	13.44	3500	End Right	60/1524	1 081	80	90	24V
1		ELV1P6035LS	93025258	1	13.44	3500	End Left	60/1524	1 081	80	90	24V
1		ELV1P6035CB	93025259	10	20.16	3500	Centre	60/1524	1 784	88	90	24V
1		ELV1P6035RB	93025260	10	13.44	3500	End Right	60/1524	1 081	80	90	24V
1		ELV1P6035LB	93025261	10	13.44	3500	End Left	60/1524	1 081	80	90	24V
1		ELV1P6040CS	93023392	1	20.16	4000	Centre	60/1524	1 812	90	90	24V
1		ELV1P6040RS	93023393	1	13.44	4000	End Right	60/1524	1 098	82	90	24V
1		ELV1P6040LS	93023394	1	13.44	4000	End Left	60/1524	1 098	82	90	24V
1		ELV1P6040CB	93023395	10	20.16	4000	Centre	60/1524	1 812	90	90	24V
1		ELV1P6040RB	93023396	10	13.44	4000	End Right	60/1524	1 098	82	90	24V
1		ELV1P6040LB	93023398	10	13.44	4000	End Left	60/1524	1 098	82	90	24V
1		ELV1P6050CS	93023399	1	20.16	5000	Centre	60/1524	1 965	97	90	24V
1		ELV1P6050RS	93023400	1	13.44	5000	End Right	60/1524	1 191	89	90	24V
1		ELV1P6050LS	93023401	1	13.44	5000	End Left	60/1524	1 191	89	90	24V
1		ELV1P6050CB	93023402	10	20.16	5000	Centre	60/1524	1 965	97	90	24V
1		ELV1P6050RB	93023403	10	13.44	5000	End Right	60/1524	1 191	89	90	24V
1		ELV1P6050LB	93023404	10	13.44	5000	End Left	60/1524	1 191	89	90	24V
1		ELV1P6735CS	93025262	1	23.52	3500	Centre	67/1708	2 081	88	90	24V
1		ELV1P6735RS	93025263	1	13.44	3500	End Right	67/1708	1 081	80	90	24V
1		ELV1P6735LS	93025264	1	13.44	3500	End Left	67/1708	1 081	80	90	24V
1		ELV1P6735CB	93025265	10	23.52	3500	Centre	67/1708	2 081	88	90	24V
1		ELV1P6735RB	93025266	10	13.44	3500	End Right	67/1708	1 081	80	90	24V
1		ELV1P6735LB	93025267	10	13.44	3500	End Left	67/1708	1 081	80	90	24V
1		ELV1P6740CS	93025057	1	23.52	4000	Centre	67/1708	2 114	90	90	24V
1		ELV1P6740RS	93025058	1	13.44	4000	End Right	67/1708	1 098	82	90	24V
1		ELV1P6740LS	93025059	1	13.44	4000	End Left	67/1708	1 098	82	90	24V
1		ELV1P6740CB	93025060	10	23.52	4000	Centre	67/1708	2 114	90	90	24V
1		ELV1P6740RB	93025061	10	13.44	4000	End Right	67/1708	1 098	82	90	24V
1		ELV1P6740LB	93025062	10	13.44	4000	End Left	67/1708	1 098	82	90	24V
1		ELV1P6750CS	93025063	1	23.52	5000	Centre	67/1708	2 292	97	90	24V
1		ELV1P6750RS	93025064	1	13.44	5000	End Right	67/1708	1 191	89	90	24V
1		ELV1P6750LS	93025065	1	13.44	5000	End Left	67/1708	1 191	89	90	24V
1		ELV1P6750CB	93025066	10	23.52	5000	Centre	67/1708	2 292	97	90	24V
1		ELV1P6750RB	93025067	10	13.44	5000	End Right	67/1708	1 191	89	90	24V
1		ELV1P6750LB	93025068	10	13.44	5000	End Left	67/1708	1 191	89	90	24V

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LED Indoor Solutions / Refrigeration Display Lighting

LED Indoor

Refrigeration Display Lighting Product Range

Product Lines	Part	Product Code	Pack Qty	Wattage (W)	CCT (K)	Mounting	Dimensions Length (Inches/mm)	Light Output (lm)	Lumens Per Watt	CRI (Ra)	Voltage	Model
Immersion™ Elite French Door	ELFD1S4835CS	93027415	1	18	3500	Centre	48/1219	1 811	101	85	24V	1
	ELFD1S4835RS	93027416	1	12	3500	End Right	48/1219	1 097	91	85	24V	1
	ELFD1S4835LS	93027417	1	12	3500	End Left	48/1219	1 097	91	85	24V	1
	ELFD1S4835CB	93027418	10	18	3500	Centre	48/1219	1 811	101	85	24V	1
	ELFD1S4835RB	93027419	10	12	3500	End Right	48/1219	1 097	91	85	24V	1
	ELFD1S4835LB	93027420	10	12	3500	End Left	48/1219	1 097	91	85	24V	1
	ELFD1S6035CS	93027823	1	24	3500	Centre	60/1524	2 414	101	85	24V	1
	ELFD1S6035RS	93027824	1	15	3500	End Right	60/1524	1 372	91	85	24V	1
	ELFD1S6035LS	93027825	1	15	3500	End Left	60/1524	1 372	91	85	24V	1
	ELFD1S6035CB	93027826	10	24	3500	Centre	60/1524	2 414	101	85	24V	1
	ELFD1S6035RB	93027827	10	15	3500	End Right	60/1524	1 372	91	85	24V	1
	ELFD1S6035LB	93027828	10	15	3500	End Left	60/1524	1 372	91	85	24V	1
	ELFD1S6735CS	93027841	1	27	3500	Centre	67/1708	2 716	101	85	24V	1
	ELFD1S6735RS	93027842	1	18	3500	End Right	67/1708	1 646	91	85	24V	1
	ELFD1S6735LS	93027843	1	18	3500	End Left	67/1708	1 646	91	85	24V	1
	ELFD1S6735CB	93027844	10	27	3500	Centre	67/1708	2 716	101	85	24V	1
	ELFD1S6735RB	93027845	10	18	3500	End Right	67/1708	1 646	91	85	24V	1
	ELFD1S6735LB	93027846	10	18	3500	End Left	67/1708	1 646	91	85	24V	1
	ELFD1S4840CS	93027811	1	18	4000	Centre	48/1219	1 874	104	85	24V	1
	ELFD1S4840RS	93027812	1	12	4000	End Right	48/1219	1 136	95	85	24V	1
	ELFD1S4840LS	93027813	1	12	4000	End Left	48/1219	1 136	95	85	24V	1
	ELFD1S4840CB	93027814	10	18	4000	Centre	48/1219	1 874	104	85	24V	1
	ELFD1S4840RB	93027815	10	12	4000	End Right	48/1219	1 136	95	85	24V	1
	ELFD1S4840LB	93027816	10	12	4000	End Left	48/1219	1 136	95	85	24V	1
	ELFD1S6040CS	93027829	1	24	4000	Centre	60/1524	2 499	104	85	24V	1
	ELFD1S6040RS	93027830	1	15	4000	End Right	60/1524	1 420	95	85	24V	1
	ELFD1S6040LS	93027831	1	15	4000	End Left	60/1524	1 420	95	85	24V	1
	ELFD1S6040CB	93027832	10	24	4000	Centre	60/1524	2 499	104	85	24V	1
	ELFD1S6040RB	93027833	10	15	4000	End Right	60/1524	1 420	95	85	24V	1
	ELFD1S6040LB	93027834	10	15	4000	End Left	60/1524	1 420	95	85	24V	1
	ELFD1S6740CS	93027847	1	27	4000	Centre	67/1708	2 811	104	85	24V	1
	ELFD1S6740RS	93027848	1	18	4000	End Right	67/1708	1 704	95	85	24V	1
	ELFD1S6740LS	93027849	1	18	4000	End Left	67/1708	1 704	95	85	24V	1
	ELFD1S6740CB	93027850	10	27	4000	Centre	67/1708	2 811	104	85	24V	1
	ELFD1S6740RB	93027851	10	18	4000	End Right	67/1708	1 704	95	85	24V	1
	ELFD1S6740LB	93027852	10	18	4000	End Left	67/1708	1 704	95	85	24V	1
	ELFD1S4850CS	93027817	1	18	5000	Centre	48/1219	1 943	108	85	24V	1
	ELFD1S4850RS	93027818	1	12	5000	End Right	48/1219	1 177	98	85	24V	1
	ELFD1S4850LS	93027819	1	12	5000	End Left	48/1219	1 177	98	85	24V	1

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LED Indoor Solutions / Refrigeration Display Lighting

	Model	Product Lines	Part	Product Code	Pack Qty	Wattage (W)	CCT (K)	Mounting	Dimensions Length (Inches/mm)	Light Output (lm)	Lumens Per Watt	CRI (Ra)	Voltage
				Refrigeration Display Lighting Product Range									
1			ELFD1S4850CB	93027820	10	18	5000	Centre	48/1219	1 943	108	85	24V
1			ELFD1S4850RB	93027821	10	12	5000	End Right	48/1219	1 177	98	85	24V
1			ELFD1S4850LB	93027822	10	12	5000	End Left	48/1219	1 177	98	85	24V
1			ELFD1S6050CS	93027835	1	24	5000	Centre	60/1524	2 590	108	85	24V
1			ELFD1S6050RS	93027836	1	15	5000	End Right	60/1524	1 472	98	85	24V
1			ELFD1S6050LS	93027837	1	15	5000	End Left	60/1524	1 472	98	85	24V
1			ELFD1S6050CB	93027838	10	24	5000	Centre	60/1524	2 590	108	85	24V
1			ELFD1S6050RB	93027839	10	15	5000	End Right	60/1524	1 472	98	85	24V
1			ELFD1S6050LB	93027840	10	15	5000	End Left	60/1524	1 472	98	85	24V
1			ELFD1S6750CS	93027853	1	27	5000	Centre	67/1708	2 914	108	85	24V
1			ELFD1S6750RS	93027854	1	18	5000	End Right	67/1708	1 766	98	85	24V
1			ELFD1S6750LS	93027855	1	18	5000	End Left	67/1708	1 766	98	85	24V
1			ELFD1S6750CB	93027856	10	27	5000	Centre	67/1708	2 914	108	85	24V
1			ELFD1S6750RB	93027857	10	18	5000	End Right	67/1708	1 766	98	85	24V
1			ELFD1S6750LB	93027858	10	18	5000	End Left	67/1708	1 766	98	85	24V
		Immersion™ Elite French Door											

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High Intensity Discharge Lamps

High Intensity Discharge Lamps

Exceptional light quality, indoors and outdoors

Our advanced HID ranges encompass ConstantColor™ Ceramic Metal Halide (CMH), Quartz Metal Halide (QMH) and Lucalox™ High Pressure Sodium (HPS) technologies, enabling us to offer the right solution across a wide range of applications.

These ultra-efficient lighting solutions combine high efficacy with a long life to deliver the optimum lighting solution for a range of commercial and industrial applications.

ConstantColor™ CMH

Light quality

Colour is a vital part of lighting in so many ways. Retail displays need to be lit to show products' colours. Security cameras need to be able to identify colours accurately. And in modern cities that never sleep, buildings, sculptures and parks look their best when lighting brings out their true colours. ConstantColor™ CMH Lamps deliver the quality of light that these situations demand.

Reliability

It is also important that this high performance is maintained, and GE's ConstantColor™ technology delivers the best possible lumen maintenance to ensure that merchandise, streets and statues are lit better for longer and with no deterioration of light quality as lamps approach the end of their life.

Low cost of ownership

The excellent lumen maintenance of ConstantColor™ CMH Lamps means extended replacement cycles and, therefore, savings on maintenance cost. An extension of at least one year can be assumed when calculating relamping cycles.

- High efficacy – more lumens per Watt
- Long rated life: up to 24 000 hours
- High lumen maintenance

Why CMH?

- Highly controllable point source
- Superb colour rendition and stability
- Reliability, efficiency and longevity
- Superb lumen maintenance
- Instant replacement of less eco friendly products

Wide choice

GE's ConstantColor™ CMH range is second to none in the variety that is on offer for both indoor and outdoor applications. Indoors, these include retail display lighting and industrial high bay lighting, and outdoors, street lighting and city beautification.
The range includes lamps for all the common formats - GU6.5, G8.5, G12, E27/E40 and Rx7s, as well as AR111, MR16 and PAR reflectors. Lighting designers can choose from 3000K and 4200K colours and their needs are also catered for by the flexibility of ballasts that can be used. GE works closely with customers and offers a list of top ballast manufacturers.
GE ConstantColor™ CMH Lamps provide high quality light with low cost of ownership for every type of application, but there are also products specially developed for particular uses.

GE ConstantColor™ CMH Standard

CMH Standard is the widest product range, one that offers great performance and value for replacement applications.

GE ConstantColor™ CMH Precise™

Developed for the retail environment, CMH Precise™ is GE's premium CMH range, with enhanced colour and improved lumen maintenance.

GE ConstantColor™ CMH StreetWise™

CMH StreetWise™ combines dimmable white light with high efficiency for street lighting. Long life and high lumen maintenance ensure maintenance is minimised.

High Intensity Discharge Lamps

CMH Indoors

GE ConstantColor™ CMH Standard Lamps combine great performance and best-in-class rated life to offer an attractive, value for money solution for replacement applications. Energy efficiency and longer relamping cycles ensure a low total cost of ownership.

- Complete range of retail lamps for wide range of applications
- Energy efficient replacement solution on existing installations
- Reduced energy bills and extended maintenance cycles
- Reduced cost of ownership through longer life
- Enables planned lighting maintenance for fixed interval replacement, optimised labour costs and reduced lamp failures

Why Precise™?

- Greatly improved lumen output (4000lm – 35W and 7800lm – 70W)
- Excellent lumen maintenance (70W 80% @ 12 000 h)
- Outstanding useful life (B10: 12 000 h)
- Superb light quality and colour rendering of CRI 90+
- Improved rendering of deep red colours (R9)
- Improved lamp-to-lamp colour control
- Universal burning position
- Robust and reliable performance initially and through life

LONGER LIFE AND MORE LUMENS OVER USEFUL LIFE

EXCELLENT LUMEN MAINTENANCE – 30% MORE LUMENS AT 15 000 HOURS LIFE THAN STANDARD LAMPS

COST EFFECTIVE DIRECT RETROFIT FOR EXISTING RETAIL INSTALLATIONS

Our ConstantColor™ CMH Precise™ range is an innovative lighting solution designed to ensure the best possible results in the retail environment with significantly improved lumen maintenance and enhanced quality of light. The range allows retailers to choose the best option for their visual requirements.

- Cost effective direct retrofit for existing retail installations
- Longer life and more lumens over useful life
- Outstanding lumen output – up to 110 LPW
- Excellent lumen maintenance – 30% more lumens at 15 000 hours life than standard lamps
- Compatible with existing GE electronic ballasts and other major GE-validated manufacturers

CMH Outdoors

Lighting accounts for more than 20% of energy consumption around the world. Reduce consumption per luminaire, and everybody benefits.

Our energy efficient ConstantColor™ CMH StreetWise™ range has the potential to significantly reduce global energy consumption, while at the same time improving road safety.

An outstanding combination of bright white light and energy efficiency makes these lamps the ideal solution for street and roadway lighting. This outstanding quality of light – much closer to natural daylight – promotes safer driving through easier recognition of shapes and colour, makes pedestrians feel more comfortable and secure, and enhances the urban environment.

GE's new generation of CMH StreetWise™ Lamps especially designed for outdoor lighting offers the best of both worlds. Bright, white, 'natural' light and low costs for both running and maintenance. With CMH lighting, streets and other public spaces can feel safer for pedestrians. More than that, their "daylight" colour rendering improves the ability of drivers to recognise shapes and colours, especially in peripheral vision. This also promotes quicker driver response times.

StreetWise™

HIGH EFFICIENCY AND LONG LIFE UP TO 24 000 HOURS

VIVID COLOUR, BRIGHTER LIGHT

DIMMABLE FOR EXTRA ENERGY SAVING

Other products in our Outdoor ranges include GE Lucalox™ High Pressure Sodium Lamps and a choice of Quartz Metal Halide Lamps from 70 – 2000 W and rated life up to 60 000 hours.

- High efficiency and long life – up to 24 000 hours
- Dimmable for extra energy saving
- Uniform lighting for roadways
- Vivid colour, brighter light
- Lower running cost, lower CO_2 emissions
- Improved safety and security for pedestrians and vehicles
- Ideal for integrated systems with dimming, remote monitoring and remote control

John Lewis UK

GE SOLUTIONS:
ConstantColor™ CMH

Erzsébet Bridge Budapest

GE SOLUTIONS:
CMH 250W

High Intensity Discharge Lamps

Product overview

Single Ended Supermini Precise™, Ultra and Standard (GU6.5)

Cap: GU6.5
Wattages: 20 – 35W
Colours: 830, 930, 942
Rated life: 10 000 – 18 000 h

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

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

Single Ended Precise™, Ultra, Ultra White and Standard (T)

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

Double Ended (TD)

Cap: RX7s or RX7s-24
Wattages: 35 – 150W
Colours: 830, 942
Rated life: 15 000 h

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

MR16 Precise™, and Standard

Cap: GX10
Wattages: 20 – 35W
Colours: 830, 930, 942
Rated life: 10 000 – 18 000 h
Beam spread: 12 – 40°

AR111

Cap: GX8.5
Wattages: 35 – 70W
Colours: 930
Rated life: 12 000 h
Beam spread: 10 – 40°

PAR20

Cap: E27
Wattages: 20 – 35W
Colours: 830, 942
Rated life: 10 000 – 12 000 h
Beam spread: 10 – 25°

PAR30

Cap: E27
Wattages: 20 – 70W
Colours: 830, 942
Rated life: 10 000 – 13 000 h
Beam spread: 10 – 40°

ConstantColor™ CMH (Ceramic Metal Halide) Reflectors

Open Rated Elliptical

Cap: E27
Wattages: 70 – 150W
Colours: 942, 940
Finish: Clear or Diffuse
Rated life: 15 000 h

Elliptical

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

StreetWise™

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

Tubular

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

Open Rated Tubular

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

ConstantColor™ CMH (Ceramic Metal Halide) Elliptical and Tubular

CMH Standard Ballasts

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

CMH Miniature Ballasts

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

CMH Ballasts

High Intensity Discharge Lamps

Product overview

Single Ended

Cap: G12
Wattages: 70 – 150W
Colours: 3000 – 4200K
CRI: 70 – 80
Rated life: 6 000 h

Double Ended

Cap: Rx7s-Fc2
Wattages: 70 – 250W
Colours: 3000 – 6500K
CRI: 75 – 90
Rated life: 8 000 – 12 000 h

Double Ended Coloured

Cap: RX7s-24
Wattages: 150W
Colours: Green, Blue, Magenta
Rated life: 6 000 h

Tubular

Cap: E40
Wattages: 250 – 400W
Colours: 4200 – 6000K
CRI: 70 – 90+
Finish: Clear
Rated life: 12 000 h

Elliptical

Cap: E40
Wattages: 250W
Colours: 4000 – 6000K
CRI: 70 – 90
Finish: Clear or Diffuse
Rated life: 12 000 – 14 000 h

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

Standard – Elliptical

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

High Output – Elliptical

Cap: E40
Wattages: 250 – 400W
Colours: 3200 – 4200K
CRI: 65 – 70
Finish: Clear or Diffuse
Rated life: 20 000 h

Multi-Vapour Metal Halide Operates from CWA Control Gear

Tubular

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

Elliptical

Cap: E40
Wattages: 400W
Colours: 4000 – 6000K
CRI: 65 – 90
Finish: Clear or Diffuse
Rated life: 14 000 h

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

Lucalox™ XO Superlife

Cap: E27, E40
Wattages: 70 – 400W
Feature: Extra high lumen output and Twin Arctubes for extra life
Finish: Tubular Clear or Elliptical Diffuse
Rated life: 50 000 – 60 000 h

Lucalox™ XO

Cap: E27, E40
Wattages: 50 – 600W
Feature: Extra high lumen output
Finish: Tubular Clear or Elliptical Diffuse
Rated life: 32 000 – 45 000 h

Lucalox Superlife

Cap: E27, E40
Wattages: 50 – 250W
Feature: Twin Arctubes for extra life
Finish: Elliptical Diffuse
Rated life: 40 000 – 60 000 h

Lucalox™ Standard

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

Lucalox™ Internal Ignitor

Cap: E27
Wattages: 50 – 70W
Feature: Internal ignitor
Finish: Elliptical Clear or Diffuse
Rated life: 12 000 – 17 500 h

Lucalox™ High Pressure Sodium

Linear

Cap: RX7SM - spec
Wattages: 1500 – 2000W
Colours: 5200K
CRI: 65
Rated life: 6 000 h

Tubular Clear

Cap: E40
Wattages: 1000 – 2000W
Colours: 4000 – 6000K
CRI: 65 – 93
Rated life: 2 000 – 8 000 h

Internal Ignitor

Cap: E40
Wattages: 2000W
Colours: 4000 – 6000K
CRI: 65 – 93
Rated life: 2 000 – 5 000 h

Sportlight™ Metal Halide For sports and floodlighting

Kolorlux™ Mercury Standard*

Cap: E27, E40
Wattages: 50 – 400W
Rated life: 16 000 – 20 000 h

* only direct shipment

Mixed Light*

Cap: E27, E40
Wattages: 160 – 500W
Voltage: 230 – 240V
Rated life: 8 000 h

* only direct shipment

Mercury Lamps

HID

ConstantColor™ – CMH Supermini

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
1	**20**	95	GU6.5	**CMH20/TC/UVC/830/GU6.5**	**40399**	1 615	830	U	12 000	12 000	52	13	22	A	12
1	**35**	90	GU6.5	**CMH35/T/UVC/930/U/GU6.5 PRECISE™**	**67685**	4 000	930	U	18 000	18 000	52	13	42.9	A+	12
1	**35**	93	GU6.5	**CMH35/T/UVC/U/930/GU6.5 ULTRA***	**76122**	3 500	930	U	16 500	16 500	52	13	43.1	A+	12
1	**35**	90	GU6.5	**CMH35/T/UVC/930/GU6.5**	**88656**	3 400	930	U	10 000	10 000	52	13	42.4	A+	12
1	**35**	95	GU6.5	**CMH35/T/UVC/942/GU6.5**	**88657**	3 400	942	U	12 000	12 000	52	13	42.4	A	12

* Will be phased out

ConstantColor™ – CMH Single Ended Mini

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
2	**20**	90	G8.5	**CMH20/TC/UVC/U/830/G8.5 PLUS**	**39858**	1 650	830	U	12 000	12 000	85	14.5	21.8	A	12
2	**35**	90	G8.5	**CMH35/T/UVC/U/830/G8.5 Plus**	**43273**	3 400	830	U	16 500	16 500	85	14.5	43.4	A+	12
2	**35**	90	G8.5	**CMH35/TC/UVC/U942/G8.5**	**26348**	3 200	942	U	18 000	18 000	85	14.5	44.3	A	12
2	**35**	90	G8.5	**CMH35/TC/UVC/U/930/G8.5 PRECISE™**	**67683**	4 000	930	U	18 000	18 000	85	14.5	42.9	A+	12
2	**35**	93	G8.5	**CMH35/TC/U/UVC/930/G8.5 ULTRA***	**76120**	3 600	930	U (ECG)/V60 (EM)	16 500	16 500	85	14.5	43.1	A+	12
2	**70**	90	G8.5	**CMH70/TC/UVC/U/942/G8.5**	**26349**	6 200	942	U	15 000	15 000	85	14.5	80.5	A	12
2	**70**	85	G8.5	**CMH70/TC/UVC/U/830/G8.5 PLUS**	**67698**	7 000	830	U	15 000	15 000	85	14.5	79.2	A+	12
2	**70**	85	G8.5	**CMH70/TC/UVC/U/930/G8.5 PRECISE™**	**67681**	7 800	930	U	18 000	18 000	85	14.5	80.3	A+	12
2	**70**	86	G8.5	**CMH70/TC/UVC/U/930/G8.5 ULTRA***	**96751**	6 200	930	U	18 000	18 000	85	14.5	80	A+	12

* Will be phased out

ConstantColor™ – CMH Single Ended

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
3	**20**	90	G12	**CMH20/T/UVC/U/830/G12 PLUS**	**42708**	1 650	830	U	12 000	12 000	90	14.5	21.8	A	12
3	**35**	90	G12	**CMH35/T/UVC/U/830/G12 PLUS**	**43272**	3 400	830	U	16 500	16 500	90	14.5	43.4	A+	12
3	**35**	90	G12	**CMH35/T/UVC/U/930/G12 PRECISE™**	**67684**	4 000	930	U	18 000	18 000	90	14.5	42.9	A+	12
3	**35**	93	G12	**CMH35/T/U/UVC/930/G12 ULTRA***	**76121**	3 600	930	U (ECG)/V60 (EM)	16 500	16 500	90	14.5	43.1	A+	12
3	**35**	90	G12	**CMH35/T/UVC/U/942/G12**	**92141**	3 200	942	U	18 000	18 000	90	14.5	44.6	A	12
3	**70**	90	G12	**CMH70/T/UVC/U/830/G12 Plus**	**67699**	7 000	830	U	15 000	15 000	90	19	76.5	A+	12
3	**70**	90	G12	**CMH70/T/UVC/U/942/G12**	**20013**	6 000	942	U	15 000	15 000	90	19	80.1	A+	12
3	**70**	85	G12	**CMH70/T/UVC/U/930/G12 PRECISE™**	**67682**	7 800	930	U	18 000	18 000	90	19	80.3	A+	12
3	**70**	86	G12	**CMH70/T/UVC/U/930/G12 ULTRA WHITE***	**63596**	6 600	930	U	18 000	18 000	90	19	80.3	A+	12
3	**70**	86	G12	**CMH70/T/UVC/U/930/G12 ULTRA ***	**96752**	6 400	930	U	18 000	18 000	90	19	80.1	A+	12
3	**150**	90	G12	**CMH150/T/UVC/U/830/G12**	**20012**	14 000	830	U	12 000	12 000	100	19	160.3	A+	12
3	**150**	90	G12	**CMH150/T/UVC/U/942/G12**	**20014**	13 000	942	U	12 000	12 000	100	19	164.3	A	12

* Will be phased out

Product Description - explanation

For further information check the glossary

CMH 70 / T / UVC / U / 9 30 / G12 PRECISE™

(70) Identifies Lamp's wattage

(UVC) UV Control

(U) Operating Position
U - Universal
HOR - Horizontal
BU - Base Up
VBU - Vertical Base Up

(G12): Identifies the cap type

(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

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

(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

1 2 3

HID

ConstantColor™ - CMH Double Ended

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
35	90	RX7s	**CMH35/TD/UVC/830/RX7s**	**43278**	3 400	830	HOR±45°	–	15 000	118	21	42	A	12	4
70	90	RX7s	**CMH70/TD/UVC/830/RX7s**	**36910**	7 000	830	HOR±45°	–	15 000	118	21	80.8	A+	12	4
70	90	RX7s	**CMH70/TD/UVC/942/RX7s**	**38698**	6 200	942	HOR±45°	–	15 000	118	21	79.5	A+	12	4
150	96	RX7s-24	**CMH150/TD/UVC/830/RX7s-24**	**36912**	14 500	830	HOR±45°	–	15 000	135	27	158.8	A+	12	4
150	96	RX7s-24	**CMH150/TD/UVC/942/RX7s-24**	**38692**	12 500	942	HOR±45°	–	15 000	135	27	155.3	A+	12	4

ConstantColor™ - CMH MR16

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
20	95	GX10	**CMH20/MR16/UVC/830/GX10/SP**	**40400**	9 000	12	830	U	12 000	12 000	54.5	51	21.8	A	12	5
20	95	GX10	**CMH20/MR16/UVC/830/GX10/FL GX10**	**40401**	2 900	25	830	U	12 000	12 000	54.5	51	21.7	A	12	5
20	95	GX10	**CMH20/MR16/UVC/830/GX10/WFL GX10**	**42691**	1 500	40	830	U	12 000	12 000	54.5	51	21.8	A	12	5
35	93	GX10	**CMH35/MR16/U/930/GX10/SP PRECISE™**	**67686**	18 000	12	930	U	18 000	18 000	54.5	51	39.2	A	12	5
35	93	GX10	**CMH35/MR16/U/930/GX10/FL PRECISE™**	**67687**	7 300	25	930	U	18 000	18 000	54.5	51	39.2	A	12	5
35	93	GX10	**CMH35/MR16/U/930/GX10/WFL PRECISE™**	**67697**	3 700	40	930	U	18 000	18 000	54.5	51	39.2	A	12	5
35	90	GX10	**CMH35/MR16/UVC/930/GX10/SP GX10**	**88658**	16 000	12	930	U	10 000	10 000	54.5	51	42.3	A	12	5
35	90	GX10	**CMH35/MR16/UVC/930/GX10/FL GX10**	**88659**	5 500	25	930	U	10 000	10 000	54.5	51	42.2	A	12	5
35	90	GX10	**CMH35/MR16/UVC/930/GX10/WFL GX10**	**88660**	3 000	40	930	U	10 000	10 000	54.5	51	42.3	A	12	5
35	90	GX10	**CMH35/MR16/UVC/942/GX10/SP GX10**	**88661**	16 000	12	942	U	12 000	12 000	54.5	51	42.3	A	12	5
35	90	GX10	**CMH35/MR16/UVC/942/GX10/FL GX10**	**88662**	5 500	25	942	U	12 000	12 000	54.5	51	42.3	A	12	5
35	90	GX10	**CMH35/MR16/UVC/942/GX10/WFL GX10**	**88663**	3 000	40	942	U	12 000	12 000	54.5	51	42.2	A	12	5

ConstantColor™ - CMH AR111

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
35	90	GX8.5	**CMH35/R111/UVC/930/GX8.5/SP10**	**99989**	44 000	10	930	U	12 000	12 000	95	111	34.4	A	6	6
35	90	GX8.5	**CMH35/R111/UVC/930/GX8.5/FL24**	**99990**	10 000	24	930	U	12 000	12 000	95	111	34.4	A	6	6
35	90	GX8.5	**CMH35/R111/UVC/930/GX8.5/FL40**	**99991**	5 000	40	930	U	12 000	12 000	95	111	34.4	A	6	6
70	95	GX8.5	**CMH70/R111/UVC/930/GX8.5/SP10**	**99992**	50 000	10	930	U	12 000	12 000	95	111	64.3	A	6	6
70	95	GX8.5	**CMH70/R111/UVC/930/GX8.5/FL24**	**99993**	18 000	24	930	U	12 000	12 000	95	111	64.3	A	6	6
70	95	GX8.5	**CMH70/R111/UVC/930/GX8.5/FL40**	**99994**	8 500	40	930	U	12 000	12 000	95	111	64.3	A	6	6

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
20	95	E27	**CMH20PAR20/UVC/830/E27/SP10**	**26478**	13 000	10	830	U	12 000	12 000	92	64	21.7	A	15	7
20	95	E27	**CMH20/PAR20/UVC/830/E27/FL25**	**26481**	3 750	25	830	U	12 000	12 000	92	64	21.9	A	15	7
35	90	E27	**CMH35/PAR20/UVC/830/E27/SP10**	**21684**	22 000	10	830	U	10 000	10 000	92	64	42.7	A	15	7
35	90	E27	**CMH35/PAR20/UVC/830/E27/FL25**	**21685**	7 500	25	830	U	10 000	10 000	92	64	42.7	A	15	7
35	90	E27	**CMH35/PAR20/UVC/942/E27/SP10**	**44890**	19 450	10	942	U	10 000	10 000	92	64	42.4	A	15	7
35	90	E27	**CMH35/PAR20/UVC/942/E27/FL25**	**44919**	6 950	25	942	U	10 000	10 000	92	64	43.8	A	15	7

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ConstantColor™ - CMH PAR 30

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
1	20	95	E27	CMH20PAR30/UVC/830/E27/SP10	26497	19 800	10	830	U	12 000	12 000	124	95.5	21.8	A	6
1	20	95	E27	CMH20PAR30/UVC/830/E27/FL25	26518	4 900	25	830	U	12 000	12 000	124	95.5	21.8	A	6
1	35	90	E27	CMH35/PAR30/UVC/830/E27/SP10	21689	39 600	10	830	U	10 000	10 000	124	95.5	43.5	A	6
1	35	90	E27	CMH35/PAR30/UVC/830/E27/FL 25	21690	11 000	25	830	U	10 000	10 000	124	95.5	43.4	A	6
1	35	90	E27	CMH35/PAR30/UVC/942/E27/SP10	44939	36 700	10	942	U	10 000	10 000	124	95.5	43.7	A	6
1	35	90	E27	CMH35/PAR30/UVC/942/E27/FL25	44942	10 200	25	942	U	10 000	10 000	124	95.5	43.6	A	6
1	70	90	E27	CMH70/PAR30/UVC/830/E27/SP15	21683	42 800	15	830	U	13 000	13 000	124	95.5	81.8	A	6
1	70	90	E27	CMH70/PAR30/UVC/830/E27/FL40	21682	10 000	40	830	U	13 000	13 000	124	95.5	81.8	A	6
1	70	90	E27	CMH70/PAR30/UVC/942/E27/SP15	74620	33 500	15	942	U	10 000	10 000	124	95.5	82.7	A	6
1	70	90	E27	CMH70/PAR30/UVC/942/E27/FL40	74619	9 000	40	942	U	10 000	10 000	124	95.5	82.7	A	6

ConstantColor™ - CMH Elliptical Clear

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
2	70	97	E27	CMH70/E/UVC/U/830/E27/C	97982	6 300	–	830	U	15 000	15 000	138	54	77.7	A+	6
2	100	102	E27	CMH100/E/UVC/U/830/E27/C	97984	9 200	–	830	U	15 000	15 000	138	54	111	A+	6

ConstantColor™ - CMH Elliptical Clear, Open Rated

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
3	150	95	E27	CMH150/UVC/O/U/942/E27/C	43285	13 200	942	U	15 000	15 000	138	55	163.3	A	6

ConstantColor™ - CMH Elliptical Diffuse

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
4	70	97	E27	CMH70/E/UVC/U/830/E27/D	97979	6 000	830	U	15 000	15 000	138	54	78.9	A	6
4	100	102	E27	CMH100/E/UVC/U/830/E27/D	97985	8 700	830	U	10 000	10 000	138	54	110.4	A+	6
4	250	117	E40	CMH250/E/UVC/U/830/E40/D	10591	23 500	830	U	24 000	24 000	227	90	289.4	A+	12
4	400	120	E40	CMH400/E/UVC/U/830/E40/D	13087	39 000	830/836	U	20 000	20 000	282	120	453.9	A+	6

ConstantColor™ - CMH Elliptical Diffuse, Open Rated

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
5	70	97	E27	CMH70/UVC/O/U/940/E27/D	43282	5 300	940	U	15 000	15 000	138	54	84	A	6
5	150	95	E27	CMH150/UVC/O/U/940/E27/D	43286	12 300	940	U	15 000	15 000	138	55	164.7	A	6

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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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
50	87	E27	CMH50/TT/UVC/U/730/E27 STREETWISE	93028627	5 450	730	U	24 000	24 000	156	39	59,9	A+	12	6
70	95/90	E27	CMH70/TT/UVC/730/E27 STREETWISE	77401	7 640 /7 100	730	HOR±15/VBU	20 000	24 000	156	39	78.1	A+	12	6
100	100/95	E40	CMH100/TT/UVC/730/E40 STREETWISE	77399	10 900/10 300	730	HOR±15/VBU	20 000	24 000	211	48	107.8	A+	12	6
150	100	E40	CMH150/TT/UVC/730/E40 STREETWISE	77402	16 200	730	HOR±15	–	24 000	211	48	165	A+	12	6

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
70	95	E27	CMH70/TT/UVC/830/E27	38752	6 400	830	U	15 000	20 000	156	37	80.8	A+	12	7
100	109	E40	CMH100/TT/UVC/830/E40	92478	9 200	830	U	10 000	15 000	209	48	110.3	A+	12	7
150	95	E40	CMH150/UVC/T/U/842/E40	21514	14 500	842	U	15 000	15 000	209	48	160.3	A+	12	7
150	100	E40	CMH150/TT/UVC/830/E40	38749	14 000	830	U	15 000	20 000	209	48	164.6	A+	12	7
250	117	E40	CMH250/TT/UVC/U/830/E40	10589	25 000	830	U	24 000	24 000	260	48	288.2	A+	12	7
250	110	E40	KRC250/CMH/830/T/H/E40	20302	20 000	830	HOR	–	24 000	260	48	241.6	A	12	7
250	107	E40	CMH250/T/U/942/E40	62356	25 000	942	U	16 000	16 000	260	48	285.6	A+	12	7
400	120	E40	CMH400/TT/UVC/U/830/E40	13067	41 000	830/836 *	U	20 000	20 000	278	60	454.2	A+	12	7

*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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
150	100	E40	CMH150/UVC/O/T/U/830/E40	21516	14 000	830	U	12 000	12 000	209	48	161.1	A+	12	8
150	100	E40	CMH150/UVC/O/T/U/942/E40	21517	14 000	942	U	12 000	12 000	209	48	163.4	A	12	8

CMH Standard Ballast

Wattage (W)	Volts (V)	Type	Product Description	Product Code	Length (mm)	Pack Qty	Model
35	220-240	Integral	BLS/E/35W/CMH	61487	350	10	9
35	220-240	Remote Cable Clamp	BLS/E/35W/CMH /R CC	61488	370	10	9
70	220-240	Integral	BLS/E/70W/CMH	61376	350	10	9

CMH Miniature Ballast

Wattage (W)	Volts (V)	Type	Product Description	Product Code	Length (mm)	Pack Qty	Model
20	220-240	Integral	BLS/E/20W/CMH	78711	165	12	10
20	220-240	Remote Cable Clamp	BLS/E/20W/CMH/R/CC	78712	180	12	10
35	220-240	Integral	BLS/E/35W/CMH	78714	165	12	10
35	220-240	Remote Cable Clamp	BLS/E/35W/CMH/R/CC	78715	180	12	10

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High Intensity Discharge Lamps

CMH

Brand cross reference

GE Lighting	Osram	Philips
ConstantColor™ CMH		
CMH20/TC/UVC/830/GU6.5	HCI-TF 20W/830 WDL PB GU6.5	CDM-Tm Mini GU6.5 20W/830
CMH35/T/UVC/930/GU6.5	HCI-TF 35/930 WDL PB GU6.5	–
CMH35/T/UVC/930/GU6.5 Precise	–	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
CMH35/TC/UVC/U/930/G8.5 Precise	HCI-TC 35/930 WDL PB Excellence 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
CMH70/TC/UVC/U/930/G8.5 Precise	HCI-TC 70/930 WDL PB Excellence 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
CMH35/T/UVC/U/930/G12 Precise	HCI-T 35/930 WDL PB Excellence	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
CMH70/T/UVC/U/830/G12	HCI-T 70W/830 WDL PB G12	CDM-T 70W/830 G12
CMH70/T/UVC/U/942/G12	HCI-T 70W/942 NDL PB UVS G12	CDM-T 70W/942 G12
CMH70/T/UVC/U/930/G12 Precise	HCI-T 70/930 WDL PB Excellence	CDM-T Elite 70W/930 G12
CMH150/T/UVC/U/830/G12	HCI-T 150W/830 WDL PB G12	CDM-T 150W/830 G12
CMH150/T/UVC/U/942/G12	HCI-T 150/NDL PB UVS G12	CDM-T 150W/942 G12
CMH35/TD/UVC/830/RX7s	–	–
CMH70/TD/UVC/830/Rx7s	HCI-TS 70W/830 WDL PB UVS RX7S	CDM-TD 70W/830 RX7s
CMH70/TD/UVC/942/Rx7s	HCI-TS 70W/942 NDL PB UVS RX7S	CDM-TD 70W/942 RX7s
CMH150/TD/UVC/830/Rx7s-24	HCI-TS 150W/830 WDL PB RX7S-24	CDM-TD 150W/830 RX7s-24
CMH150/TD/UVC/942/Rx7s-24	HCI-TS 150W/942 NDL PB RX7S-24	CDM-TD 150W/942 RX7s-24
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 Precise	–	CDM-Rm Elite Mini 35W/930 GX10 MR16 10D
CMH35/MR16/UVC/930/GX10/FL25 Precise	–	CDM-Rm Elite Mini 35W/930 GX10 MR16 25D
CMH35/MR16/UVC/930/GX10/WFL40 Precise	–	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	–	–
CMH20PAR20/UVC/830/E27/SP10	–	–
CMH20/PAR20/UVC/830/E27/FL25	–	–
CMH35/PAR20/UVC/830/E27/SP10	HCI-PAR20 35W/830 WDL PB SP 10D	CDM-R 35W/830 E27 PAR20L10D
CMH35/PAR20/UVC/830/E27/FL25	HCI-PAR20 35W/830 WDL PB FL 30D	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	–	–
CMH20/PAR30/UVC/830/E27/FL25	–	–
CMH35/PAR30/UVC/830/E27/SP10	HCI-PAR30 35W/830 WDL PB SP 10D	CDM-R 35W/830 E27 PAR30L10D
CMH35/PAR30/UVC/830/E27/FL25	HCI-PAR30 35W/830 WDL PB FL 30D	CDM-R 35W/830 E27 PAR30L30D
CMH35/PAR30/UVC/942/E27/SP10	HCI-PAR30 35W/942 NDL PB SP 10D	CDM-R 35W/942 E27 PAR30L10D
CMH35/PAR30/UVC/942/E27/FL25	HCI-PAR30 35W/942 NDL PB FL 30D	CDM-R 35W/942 E27 PAR30L30D
CMH70/PAR30/UVC/830/E27/SP15	HCI-PAR30 70W/830 WDL SP E27	CDM-R 70W/830 E27 PAR30L10D
CMH70/PAR30/UVC/830/E27/FL40	HCI-PAR30 70W/830 WDL FL E27	CDM-R 70W/830 E27 PAR30L40D
CMH70/PAR30/UVC/942/E27/SP15	HCI-PAR30 70W/942 NDL PB SP 10D	CDM-R 70W/942 E27 PAR30L10D

High Intensity Discharge Lamps

CMH

Brand cross reference

GE Lighting	Osram	Philips
ConstantColor™ CMH		
CMH70/PAR30/UVC/942/E27/FL40	HCI–PAR30 70W/942 NDL PB FL 30D	CDM-R 70W/942 E27 PAR30L40D
CMH70/E/UVC/U/830/E27/C	HCI-ET 70W/830 WDL PB	CDM-ET 70W /830 E27
CMH100/E/UVC/U/830/E27/C	–	CDM-ET 100W /830 E40
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	–	–
CMH50/TT/UVC/730/E27 STREETWISE	HCI-TT 50W/830 SUPER 4Y	CDO-TT 50W/828 E27
CMH70/TT/UVC/830/E27	HCI-TT 70W/830 WDL PB	–
CMH70/TT/UVC/730/E27 STREETWISE	HCI-TT 70W/830 SUPER 4Y	CDO-TT 70W /828 E27
CMH100/TT/UVC/830/E40	HCI-TT 100/830 WDL PB E40	–
CMH100/TT/UVC/730/E40 STREETWISE	HCI-TT 100W/830 SUPER 4Y	CDO-TT 100W /828 E27
CMH150/TT/UVC/830/E40	HCI-TT 150W/830 WDL PB	–
CMH150/TT/UVC/730/E40 STREETWISE	–	CDO-TT 150W/828 E40
CMH150/UVC/T/U/842/E40	HCI-TT 150/830 WDL PB E40	–
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	–	–
CMH35/R111/UVC/930/GX8.5/SP10	–	CDM-R111 35W/830 GX8.5 10D
CMH35/R111/UVC/930/GX8.5/FL24	–	CDM-R111 35W/830 GX8.5 24D
CMH35/R111/UVC/930/GX8.5/FL40	–	CDM-R111 35W/830 GX8.5 40D
CMH70/R111/UVC/930/GX8.5/SP10	–	CDM-R111 70W/830 GX8.5 10D
CMH70/R111/UVC/930/GX8.5/FL24	–	CDM-R111 70W/830 GX8.5 24D
CMH70/R111/UVC/930/GX8.5/FL40	–	CDM-R111 70W/830 GX8.5 40D

High Intensity Discharge Lamps

Arcstream™ Single Ended RG-2

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
1	**150**	95	G12	**ARC150/G12/830***	**88654**	12 000	3000	80	U	6 000	6 000	76	21.5	165	A	10
1	**150**	95	G12	**ARC150/G12/842**	**88655**	11 500	4200	80	U	6 000	6 000	76	21.5	165	A	10

* Will be phased out

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

Arcstream™ Single Ended UVC

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
2	**70**	95	G12	**ARC70/T/U/730/G12***	**97286**	5 200	3000	70	U	6 000	6 000	87	23	77	A	10

* Will be phased out

Arcstream™ Double Ended UVC

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
3	**70**	95	RX7s	**ARC70/UVC/TD/730/Rx7s**	**34530**	5 500	3000	75	HOR±45°	12 000	114	19	82.5	A	12
3	**70**	95	RX7s	**ARC70/UVC/TD/742/Rx7s**	**34536**	5 500	4200	75	HOR±45°	12 000	114	22	82.5	A	12
3	**150**	95	RX7s-24	**ARC150/UVC/TD/732/Rx7s-24**	**34527**	12 000	3200	75	HOR±45°	12 000	132	22	165	A	12
3	**150**	95	RX7s-24	**ARC150/UVC/TD/742/Rx7s-24**	**34535**	12 000	4200	75	HOR±45°	12 000	132	25	165	A	12

Arcstream™ Double Ended RG-3

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
3	**150**	95	RX7s-24	**ARC150/AQUA/TD/865/Rx7s-24**	**35284**	11 000	6500	85	HOR±45°	8 000	132	25	165	A	12
4	**150**	110	RX7s-24	**ARC150/TD/952/Rx7s-24**	**93772**	11 000	5200	90	HOR±45°	8 000	132	25	165	A	12
4	**250**	114	Fc2	**ARC250/TD/832/Fc2**	**30099**	20 000	3200	75	HOR±45°	12 000	163	25	275	A	12
4	**250**	115	Fc2	**ARC250/TD/842/Fc2**	**30101**	20 000	4200	75	HOR±45°	8 000	163	25	275	A	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

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Colour	Operating position	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
5	**150**	95	RX7S-24	**ARC150/UVC/TD/GREEN/RX7S-24**	**12181**	**Green**	HOR±45°	6 000	132	25	165	B	12
5	**150**	95	RX7S-24	**ARC150/UVC/TD/BLUE/RX7S-24**	**12182**	**Blue**	HOR±45°	6 000	132	25	165	C	12
5	**150**	95	RX7S-24	**ARC150/UVC/TD/MAGENTA/RX7S-24**	**12184**	**Magenta**	HOR±45°	6 000	132	25	165	B	12

1 2 3 4 5

High Intensity Discharge Lamps

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
250	100	E40	**ARC250/T/H/960/E40**	**32664**	19 000	6000	90	HOR±45°	–	12 000	220	47	299.6	A	12	6
250	100	E40	**ARC250/T/VBU/960/E40**	**32665**	19 000	6000	90	BU±45°	12 000	–	220	47	295.7	A	12	6
250	112	E40	**ARC250/T/H/742/E40**	**42357**	21 000	4200	70	HOR±15°	–	12 000	220	48	294.9	A	12	6
400	105	E40	**ARC400/T/H/742/E40**	**42369**	35 000	4200	70	HOR±15°	–	12 000	260	47	444.2	A	12	6

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

Arcstream™ Elliptical Diffuse

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
250	100	E40	**ARC250/D/H/740/E40**	**16870**	19 500	4000	70	HOR±15°	–	14 000	227	90	294.2	A	10	7
250	100	E40	**ARC250/D/H/960/E40**	**30047**	17 000	6000	90	HOR±45°	–	12 000	227	91	295	B	12	7
250	100	E40	**ARC250/D/VBU/960/E40**	**32666**	17 000	6000	90	VBU±45°	12 000	–	227	90	294.8	A	12	7

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).

Multi-Vapor™ Elliptical 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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
175**	132	E40	**MVR175/U/40***	**85973**	13 600	4000	55	U	10 000	10 000	211	90	192.5	A	–	8
250**	133	E40	**MVR250/U/40***	**85952**	20 800	4200	65	U	10 000	10 000	211	90	274.9	A	12	8
400**	135	E40	**MVR400/U/40***	**85944**	40 000	4000	65	U	20 000	20 000	292	117	440	A+	6	8
1000**	V250 H245	E40	**MVR1000/U/40**	**85924**	108 000	4000	65	U	15 000	15 000	390	178	1188	A+	6	8

* Not CE compliant product

** Performance data claimed for vertical position

Multi-Vapor™ Elliptical Diffuse

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
175**	132	E40	**MVR175/C/U/40***	**85974**	12 900	3900	55	U	10 000	10 000	211	90	192.5	A	–	9
250**	133	E40	**MVR250/C/U/40***	**85953**	20 000	3900	70	U	10 000	10 000	211	90	275	A	12	9
400**	135	E40	**MVR400/C/U/40**	**85951**	40 000	3700	70	U	20 000	20 000	292	117	440	A+	6	9

* Not CE compliant product

** Performance data claimed for vertical position

Multi-Vapor™ High Output Elliptical 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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
250	133	E40	**MVR250/VBU/40**	**86004**	22 000	4200	65	VBU±15°	10 000	–	216	89	275	A	12	10
400	135	E40	**MVR400/VBU/40**	**86000**	41 000	4000	65	VBU±15°	20 000	–	295	117	440	A+	6	10

6 7 8 9 10

High Intensity Discharge Lamps

Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
Multi-Vapor™ High Output Elliptical Diffuse																
1	**250**	133	E40	**MVR250/C/VBU/40**	**86009**	20 000	4000	65	VBU±15°	10 000	–	216	89	275	A	12
1	**400***	135	E40	**MPR400/C/VBU/0/40**	**85906**	38 000	3200	70	VBU±15°	20 000	–	295	117	440	A+	6
1	**400**	135	E40	**MVR400/C/VBU/40**	**85977**	40 000	3700	70	VBU±15°	20 000	–	295	117	440	A+	6
Kolorarc™ Tubular Clear																
2	**400**	130	E40	**KRC400/T/H/960/E40**	**30052**	28 400	6000	90	HOR±45°	–	14 000	270	58	418.5	A	12
2	**400**	130	E40	**KRC400/T/VBU/960/E40**	**30704**	27 000	6000	90	VBU±45°	14 000	–	270	58	404.8	A	12
Kolorarc™ Elliptical Clear																
3	**400**	135	E40	**KRC400/E/VBU/645/E40 ***	**16871**	33 500	4500	65	VBU±30°	14 000	–	286	122	413.3	A	10
Kolorarc™ Elliptical Diffuse																
4	**400**	130	E40	**KRC400/D/H/960/E40 ***	**10834**	26 800	6000	90	HOR±45°	–	14 000	282	121	408	B	6
4	**400**	130	E40	**KRC400/D/VBU/960/E40**	**10837**	25 400	6000	90	VBU±45°	14 000	–	282	121	405.7	A	6
4	**400**	135	E40	**KRC400/D/VBU/740/E40**	**16872**	33 500	4000	70	VBU±30°	14 000	–	286	122	412.3	A	10
4	**400**	135	E40	**KRC400/D/H/740/E40 ***	**16875**	38 000	4000	70	HOR±15°	–	14 000	286	120	419.8	A+	10

*** Will be phased out**

* will be phased out

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)

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.

1 2 3 4

High Intensity Discharge Lamps

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Sportlight™ Linear																
1500	250	RX7SM	**SPL1500/L/H/652/Rx7SM**	**16920**	120 000	5200	65	HOR±15°	–	6 000	256	24	1672	A	1	**5**
2000	230	spec.	**SPL2000/L/H/651/SPEC**	**16922**	200 000	5200	65	HOR±15°	–	6 000	311	26	2339.4	A	1	**6**
Sportlight™ Tubular Clear																
1000	120	E40	**SPL1000/T/H/960/E40**	**88882**	80 000	6000	93	HOR±60°	–	8 000	334	65	1147.1	A	4	**7**
2000	125	E40	**SPL2000/220V/T/H/640/E40**	**36078**	189 000	4000	65	HOR±75°	–	2 000	430	102	2090	A+	4	**7**
2000	225	E40	**SPL2000/380V/T/H/960/E40**	**30102**	170 000	6000	93	HOR±60°	–	5 000	430	102	2294.8	A	4	**7**
Sportlight™ Internal Ignitor																
2000	225	E40	**SPL2000/380V/I/T/H/960/E40**	**30103**	170 000	6000	93	HOR±60°	–	5 000	430	101	2292	A	4	**8**
2000	235	E40	**SPL2000/380V/I/T/H/640/E40**	**33148**	190 000	4000	65	HOR±75°	–	2 000	430	101	2182.3	A+	4	**8**

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

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Lucalox™ XO Superlife Tubular Clear															
70	90	E27	**LU 70/XO/SBY/T/E27**	**88258**	6 600	2000	25	U	50 000	156	39	83.1	A+	25	**9**
100	100	E40	**LU 100/XO/SBY/T/E40**	**88256**	10 500	2000	25	U	60 000	211	48	110.3	A+	12	**9**
150	100	E40	**LU 150/XO/SBY/T/E40**	**78737**	17 500	2000	25	U	60 000	211	48	168.9	A+	12	**9**
250	100	E40	**LU 250/XO/SBY/T/E40**	**78738**	33 000	2000	25	U	55 000	260	48	288.7	A+	12	**9**
400	100	E40	**LU 400/XO/SBY/T/E40**	**78739**	55 800	2000	25	U	55 000	283	48	450.6	A++	12	**9**
Lucalox™ XO Superlife Elliptical Diffuse															
50	85	E27	**LU50/85/XO/SBY/D/E27**	**97238**	3 500	2000	25	U	40 000	156	72	58.3	A	12	**10**
70	90	E27	**LU70/XO/SBY/D/E27**	**88257**	6 000	2000	25	U	50 000	156	71	80.3	A	12	**10**
100	100	E40	**LU100/XO/SBY/D/E40**	**88255**	10 000	2000	25	U	60 000	186	75	113.3	A+	12	**10**

5 6 7 8 9 10

High Intensity Discharge Lamps

	Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Lucalox™ XO Tubular Clear																
1	50	85	E27	LU50/85/XO/T/27	93373	4 400	2100	25	U	35,000	156	39	59.7	A	25
1	70	90	E27	LU70/90/XO/T/27	93375	6 600	2100	25	U	40 000	156	39	80.5	A+	25
1	100	100	E40	LU100/100/XO/T/40	93376	10 700	2100	25	U	40 000	211	48	111.9	A+	12
1	150	100	E40	LU150/150/XO/T/40	93377	17 500	2100	25	U	45 000	211	48	168.3	A+	12
1	250	100	E40	LU250/XO/T/40	93378	33 200	2100	25	U	45 000	260	48	285.8	A+	12
1	400	100	E40	LU400/XO/T/40	93269	56 500	2100	25	U	45 000	292	48	448.4	A++	12
1	600	115	E40	LU600/XO/T/40	93270	88 500	2100	25	U	32 000	292	48	667.3	A++	12
Lucalox™ XO Elliptical Diffuse																
2	50	85	E27	LU50/85/XO/D/27	45696	3 600	2100	25	U	35,000	156	72	58.4	A	12
2	70	90	E27	LU70/90/XO/D/27	45697	6 000	2100	25	U	40 000	156	72	83.9	A	12
2	100	100	E40	LU100/100/XO/D/40	93379	10 200	2100	25	U	40 000	186	76	112.2	A+	12
2	150	100	E40	LU150/100/XO/D/40	93380	16 900	2100	25	U	45 000	227	91	170.2	A+	12
2	250	100	E40	LU250/XO/D/40	93381	31 200	2100	25	U	45 000	227	91	285.7	A+	12
2	400	105	E40	LU400/XO/D/40	93296	54 000	2100	25	U	45 000	292	122	443.1	A+	6
Lucalox™ Superlife Elliptical Diffuse																
2	250	100	E40	LU250/SBY/D/E40	35590*	26 000	2000	25	U	55 000	227	91	275.7	A+	12

* Not CE compliant product and will be phased out

Lucalox™ Standard Tubular Clear																
3	70	90	E27	LU 70/90/MO/T/E27	46221	6 100	2000	25	U	28 000	156	39	78	A+	25
3	100	100	E40	LU100/100/MO/T/40	93767	9 600	2000	25	U	28 000	211	48	107.6	A+	12
3	150	100	E40	LU150/100/HO/T/E40	97241	17 500	2000	25	U	24 000	283	48	172.7	A+	12
3	150	100	E40	LU150/100/40*	44244	15 300	2000	25	U	28 000	211	48	163.8	A+	12
3	250	100	E40	LU250/T/40*	22453	28 500	2000	25	U	28 000	260	48	276.8	A+	12
3	250	100	E40	LU250/HO/T/E40 MIC	93010296	32 500	2000	25	U	24 000	260	48	283.5	A+	12
3	400	100	E40	LU400/HO/T/E40	97240	56 500	2000	25	U	24 000	260	48	444.4	A++	12
3	400	100	E40	LU400/T/40*	11678	48 000	2000	25	U	28 000	278	48	431.9	A+	12
3	1000	250	E40	LU1000/40	85886	130 000	2100	22	U	24 000	383	79	1100	A+	6
3	1000	110	E40	LU1000/110/T/40	45751	130 000	2000	25	U	24 000	374	68	1067.1	A++	4

* Not CE compliant product

Lucalox™ Standard Elliptical Diffuse																
4	70	90	E27	LU70/90/MO/D/E27	46217	5 750	2000	25	U	28 000	156	72	77.8	A	12
4	100	100	E40	LU100/100/MO/D/40*	93766	9 200	2000	25	U	28 000	186	76	114.8	A+	12
4	150	100	E40	LU150/100/D/40*	44245	14 500	2000	25	U	28 000	227	91	163.7	A+	12
4	250	100	E40	LU250/D/40*	44052	26 000	2000	25	U	28 000	227	91	276.5	A+	12
4	400	105	E40	LU400/D/40*	44057	48 000	2000	25	U	28 000	282	122	444.1	A+	6

* Not CE compliant product

High Intensity Discharge Lamps

John Lewis [UK]

GE SOLUTIONS:
ConstantColor™ CMH Ultra

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Lucalox™ Internal Ignitor Elliptical Clear															
70	90	E27	LU 70/90/MO/I/E27	46209	6 100	2000	25	U	17 500	156	72	79.4	A+	12	5
Lucalox™ Internal Ignitor Elliptical Diffuse															
50	85	E27	LU50/85/MO/D/I/E27*	88556**	3 300	2000	25	U	12 000	156	72	56.3	A	12	6
70	90	E27	LU70/90/MO/D/I/E27	46186	5 750	2000	25	U	17 500	156	72	78.2	A	12	6

* Not CE compliant product

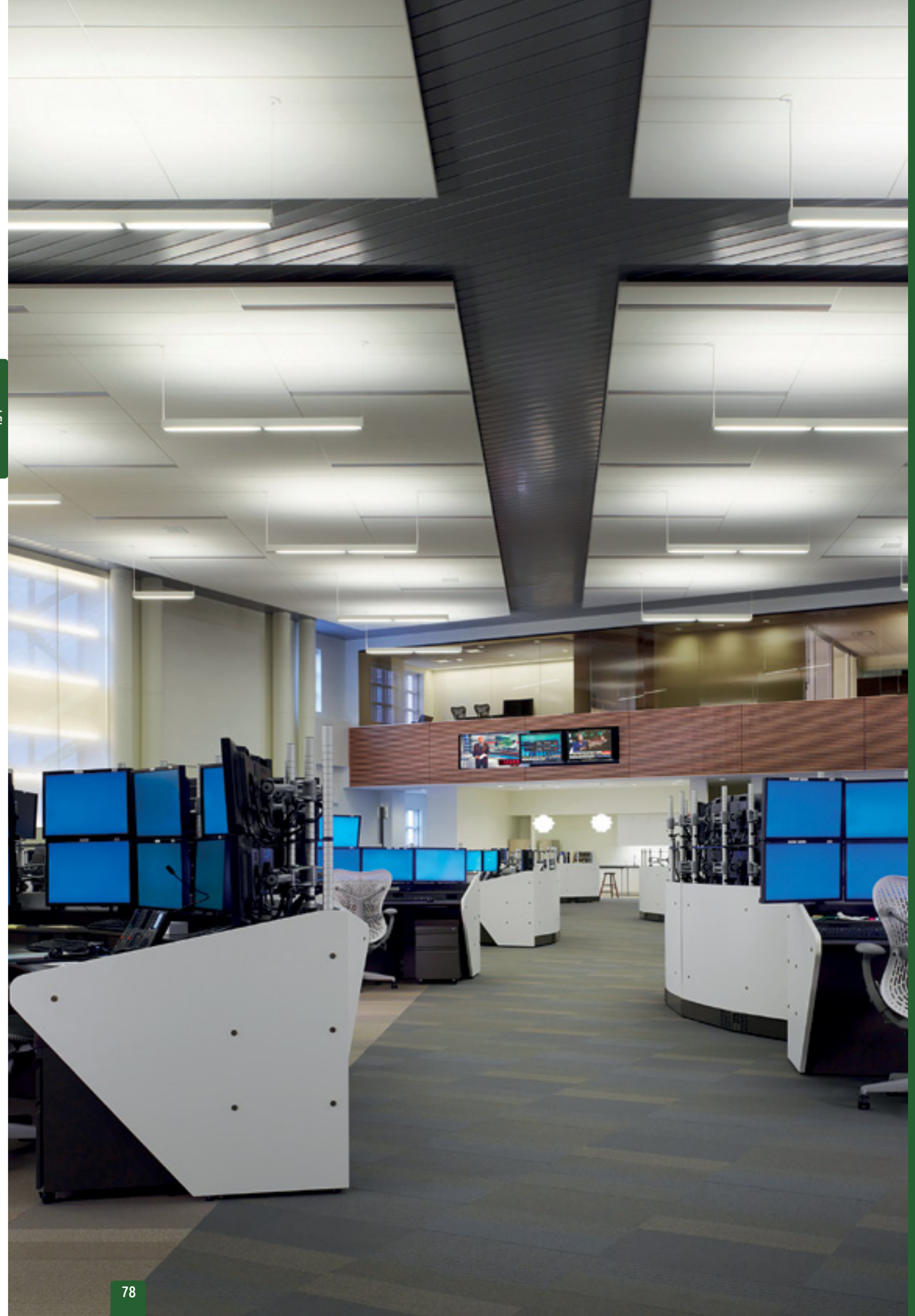
** Will be phased out

Kolorlux™ Mercury Standard															
50	95	E27	OT H50/27 1/24 MIC DS*	65206	1 800	4000	40	U	16 000	130	55	57.3	B	24	7
80	115	E27	OT H80/27 1/24 MIC DS*	64992	3 800	4000	45	U	20 000	156	70	90.8	B	24	7
125	125	E27	H125/27 1/24 MIC DS*	62360	6 300	4000	45	U	20 000	170	75	141.7	B	24	7
250	130	E40	H250/40 1/12 MIC DS*	62361	13 000	4000	40	U	20 000	227	90	275.6	B	12	7
400	135	E40	OT H400/40 1/12 MIC DS*	63674	22 500	4000	40	U	20 000	292	120	441.3	B	12	7

* Not CE compliant product, only full container order

Mixed Light															
160	230-240	E27	OT ML 230-240V 160W E27 GE 1/24 MIC DS*	63675	3 100	4200	52	VBU±30	8 000	170	76	185.4	D	24	8
250	230-240	E40	OT ML 230-240V 250W E40 GE 1/12 MIC DS*	63678	5 500	3800	52	U	8 000	227	91	277.5	C	12	8
250	230-240	E27	OT ML 230-240V 250W E27 GE 1/12 MIC DS*	63677	5 500	3800	52	U	8 000	227	91	277.5	C	12	8
500	230-240	E40	OT ML 230-240V 500W E40 GE 1/10 MIC DS*	63676	14 000	3800	45	U	8 000	292	121	545.4	B	10	8

* Not CE compliant product, only full container order



Linear
Fluorescent
Lamps

LFL

Linear Fluorescent Lamps

The smart choice for efficient bright light

The Linear Fluorescent Lamps (LFLs) still offer an attractive lighting solution for many applications from office and retail to education and industrial, delivering excellent levels of light distribution to complement directional light sources.

Our wide range of T5 and T8 Linear Fluorescent Lamps offer benefits including long life, energy savings, low maintenance and excellent colour rendering. A choice of colour temperatures from 2700 – 6500K means we are able to supply the best possible LFL product for every application.

Recent additions to our range include a new 24 000 hours T5 product.

- Extensive range for every indoor application
- 85 CRI high colour rendering and high lumen maintenance
- Excellent light distribution complements directional light
- Dimmability for further cost/energy savings

We also offer a choice of enhanced performance products in the form of our energy saving Watt-Miser™ Lamps and high rated life LongLast™ products.

LONG LIFE

REDUCED MAINTENANCE COSTS

WIDE RANGE OF COLOUR TEMPERATURES

Watt-Miser™ Lamps

- Energy saving LFLs
- Up to 10% energy savings vs. traditional LFL
- Short payback – less than a year
- Exceptional lumen maintenance

LongLast™ Lamps

- LFLs offering increased service life
- Reduced relamping costs with up to 46 000 hours rated life
- Reduced maintenance costs
- Ideal where luminaires are hard to reach

Linear Fluorescent Lamps

Product overview

WattMiser™

High Efficiency Watt-Miser™

Wattages: 13 – 33W
Colours: Warm White to Cool White
CRI (Ra): 85
Rated life: 25 000 h

WattMiser™

High Output Watt-Miser™

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

LongLast™

High Efficiency LongLast™

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

LongLast™

High Output LongLast™

Wattages: 24 – 80W
Colours: Warm White to Daylight
CRI (Ra): 85
Rated life: 30 000 h

24 000h High Efficiency

Wattages: 14 – 35W
Colours: Warm White to Daylight
CRI (Ra): 85
Rated life: 24 000 h

24 000h High Output

Wattages: 24 –80W
Colours: Warm White to Daylight
CRI (Ra): 85
Rated life: 24 000 h

T5 Tubes Long

Specfill Triphosphor

Wattages: 6 – 8W
Colours: Cool White and Daylight
CRI (Ra): 80+
Rated life: 8 000 h

Specfill Standard

Wattages: 6 – 8W
Colours: Cool White and White
CRI (Ra): 52 – 60
Rated life: 8 000 h

Triphosphor

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

Standard

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

T5 Tubes Short

T5 Circline™

Wattages: 22 – 55W
Colours: Warm White to Cool White
CRI (Ra): 82
Rated life: 12 000 h

Circular Tubes

WattMiser™

Watt-Miser™

Wattages: 16 – 51W
Colours: Warm White to Daylight
CRI (Ra): 80+
Rated life: 15 000 h

LongLast™

Polylux XLR™ LongLast™

Wattages: 18 – 58W
Colours: Warm White and Cool White
CRI (Ra): 80+
Rated life: 28 000 h

Polylux XLR™

Wattages: 15 – 70W
Colours: Extra Warm White to Daylight
CRI (Ra): 80+
Rated life: 15 000 h

T8 Tubes

covRguard™ Polylux XLR™

Wattages: 18 – 58W
Colour: Cool White
CRI (Ra): 80+
Rated life: 15 000 h

T8 Shatter-proof

Glow Starters

For wattages: 4 – 125W

Starters

T5 Watt-Miser™ — High Efficiency, G5 Cap

Model	Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty
1	13	549	16	F13W/T5/830/WM	79418	1 350	Warm White	3000	85	25 000	14	A+	30
1	13	549	16	F13W/T5/840/WM	61080	1 350	Cool White	4000	85	25 000	14	A+	30
1	20	849	16	F20W/T5/840/WM	61079	2 100	Cool White	4000	85	25 000	22	A+	30
1	26	1 149	16	F26W/T5/830/WM	97231	2 900	Warm White	3000	85	25 000	29	A+	30
1	26	1 149	16	F26W/T5/840/WM	61078	2 900	Cool White	4000	85	25 000	29	A+	30
1	33	1 449	16	F33W/T5/830/WM	79417	3 650	Warm White	3000	85	25 000	36	A+	30
1	33	1 449	16	F33W/T5/840/WM	61077	3 650	Cool White	4000	85	25 000	36	A+	30

T5 Watt-Miser™ — High Output, G5 Cap

Model	Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty
1	21	549	16	F21W/T5/840/WM	61076	2 000	Cool White	4000	85	25 000	23	A+	30
1	36	849	16	F36W/T5/840/WM	61075	3 500	Cool White	4000	85	25 000	39	A+	30
1	46	1 449	16	F46W/T5/830/WM	97232	4 900	Warm White	3000	85	25 000	51	A+	30
1	46	1 449	16	F46W/T5/840/WM	61073	4 900	Cool White	4000	85	25 000	51	A+	30
1	47	1 149	16	F47W/T5/840/WMP	90837	4 800	Cool White	4000	85	30 000	53	A+	30
1	51	1 149	16	F51W/T5/830/WM	97966	5 000	Warm White	3000	85	30 000	56	A+	30
1	51	1 149	16	F51W/T5/840/WM	61074	5 000	Cool White	4000	85	30 000	56	A+	30
2	76	1 449	16	F76W/T5/830/WM	97965	7 000	Warm White	3000	85	25 000	83	A+	30
1	76	1 449	16	F76W/T5/840/WM	61072	7 000	Cool White	4000	85	25 000	83	A+	30

T5 LongLast™ — High Efficiency, G5 Cap

Model	Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty
2	14	549	16	F14W/T5/827/LL	61086	1 350	Extra Warm White	2700	85	30 000	15	A+	30
2	14	549	16	F14W/T5/830/LL	61087	1 350	Warm White	3000	85	30 000	15	A+	30
2	14	549	16	F14W/T8/830/LL/BULK	61066	1 350	Warm White	3000	85	30 000	15	A+	40
2	14	549	16	F14W/T5/835/LL	61090	1 350	White	3500	85	30 000	15	A+	30
2	14	549	16	F14W/T5/840/LL	61091	1 350	Cool White	4000	85	30 000	15	A+	30
2	14	549	16	F14W/T8/840/LL/BULK	61067	1 350	Cool White	4000	85	30 000	15	A+	40
2	14	549	16	F14W/T5/865/LL	61088	1 250	Daylight	6500	85	30 000	15	A+	30
2	21	849	16	F21W/T5/827/LL	61089	2 100	Extra Warm White	2700	85	30 000	23	A+	30
2	21	849	16	F21W/T5/830/LL	61092	2 100	Warm White	3000	85	30 000	23	A+	30
2	21	849	16	F21W/T5/840/LL	61093	2 100	Cool White	4000	85	30 000	23	A+	30
2	21	849	16	F21W/T8/840/LL/BULK	61068	2 100	Cool White	4000	85	30 000	23	A+	40
2	21	849	16	F21W/T5/865/LL	61094	1 950	Daylight	6500	85	30 000	23	A+	30
2	28	1 149	16	F28W/T5/827/LL	61095	2 900	Extra Warm White	2700	85	30 000	31	A+	30
2	28	1 149	16	F28W/T5/830/LL	61096	2 900	Warm White	3000	85	30 000	31	A+	30
2	28	1 149	16	F28W/T5/830/LL/BULK	61069	2 900	Warm White	3000	85	30 000	31	A+	40
2	28	1 149	16	F28W/T5/840/LL	61102	2 900	Cool White	4000	85	30 000	31	A+	30
2	28	1 149	16	F28W/T5/840/LL/BULK	61070	2 900	Cool White	4000	85	30 000	31	A+	40
2	28	1 149	16	F28W/T5/865/LL	61098	2 700	Daylight	6500	85	30 000	31	A+	30

Product Description — explanation
For further information check the glossary

F 28W / T5 / 865 / LL

- F — Identifies lamp as fluorescent
- 28W — Identifies Lamp wattage
- T5 — Identifies lamp type
- 865 — CCTcode: 827=Extra Warm White, 830=Warm White, 835=White, 840=Cool White, 865=Daylight
- LL — Identifies the lamp as LongLast™

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T5 LongLast™ — High Efficiency, G5 Cap

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
35	1 449	16	F35W/T5/827/LL	61099	3 650	Extra Warm White	2700	85	30 000	38	A+	30	3
35	1 449	16	F35W/T5/830/LL	61100	3 650	Warm White	3000	85	30 000	38	A+	30	3
35	1 449	16	F35W/T5/835/LL	61101	3 650	White	3500	85	30 000	38	A+	30	3
35	1 449	16	F35W/T5/840/LL	61103	3 650	Cool White	4000	85	30 000	38	A+	30	3
35	1 449	16	F35W/T5/840/LL/BULK	61071	3 650	Cool White	4000	85	30 000	38	A+	40	3
35	1 449	16	F35W/T5/865/LL	61104	3 400	Daylight	6500	85	30 000	38	A+	30	3

T5 LongLast™ — High Output, G5 Cap

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
24	549	16	F24W/T5/830/LL	61105	2 000	Warm White	3000	85	30 000	25	A+	30	3
24	549	16	F24W/T5/835/LL	61106	2 000	White	3500	85	30 000	25	A+	30	3
24	549	16	F24W/T5/840/LL	61097	2 000	Cool White	4000	85	30 000	25	A+	30	3
24	549	16	F24W/T5/840/LL/BULK	61081	1 750	Cool White	4000	85	30 000	25	A+	40	3
24	549	16	F24W/T5/865/LL	61107	1 900	Daylight	6500	85	30 000	25	A	30	3
39	849	16	F39W/T5/830/LL	61108	3 500	Warm White	3000	85	30 000	42	A+	30	3
39	849	16	F39W/T5/840/LL	61109	3 500	Cool White	4000	85	30 000	42	A+	30	3
39	849	16	F39W/T5/840/LL/BULK	61082	3 500	Cool White	4000	85	30 000	42	A+	40	3
49	1 449	16	F49W/T5/830/LL	61119	4 900	Warm White	3000	85	30 000	54	A+	30	3
49	1 449	16	F49W/T5/835/LL	61121	4 900	White	3500	85	30 000	54	A+	30	3
49	1 449	16	F49W/T5/840/LL	61122	4 900	Cool White	4000	85	30 000	54	A+	30	3
49	1 449	16	F49W/T5/840/LL/BULK	61084	4 900	Cool White	4000	85	30 000	54	A+	40	3
49	1 449	16	F49W/T5/865/LL	78707	4 650	Daylight	6500	85	30 000	54	A+	30	3
54	1 149	16	F54W/T5/830/LL	61110	5 000	Warm White	3000	85	30 000	59	A+	30	3
54	1 149	16	F54W/T5/840/LL	61111	5 000	Cool White	4000	85	30 000	59	A+	30	3
54	1 149	16	F54W/T5/840/LL/BULK	61083	5 000	Cool White	4000	85	30 000	59	A+	40	3
54	1 149	16	F54W/T5/865/LL	61118	4 750	Daylight	6500	85	30 000	59	A+	30	3
80	1 449	16	F80W/T5/830/LL	78708	7 000	Warm White	3000	85	30 000	89	A	30	3
80	1 449	16	F80W/T5/840/LL	78709	7 000	Cool White	4000	85	30 000	89	A	30	3
80	1 449	16	F80W/T5/840/LL/BULK	61085	7 000	Cool White	4000	85	30 000	89	A	40	3

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T5 24 000h — High Efficiency, G5 Cap

Model	Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty
1	14	549	16	F14W/T5/830	33389	1 300	Warm White	3000	85	24 000	15	A+	30
1	14	549	16	F14W/T5/830/BULK	93013097	1 300	Warm White	3000	85	24 000	15	A+	40
1	14	549	16	F14W/T5/840	33390	1 300	Cool White	4000	85	24 000	15	A+	30
1	14	549	16	F14W/T5/840/BULK	93013098	1 300	Cool White	4000	85	24 000	15	A+	40
1	14	549	16	F14W/T5/865	33395	1 220	Daylight	6500	85	24 000	15	A+	30
1	21	849	16	F21W/T5/830	93012725	2 000	Warm White	3000	85	24 000	23	A+	30
1	21	849	16	F21W/T5/840	93012726	2 000	Cool White	4000	85	24 000	23	A+	30
1	21	849	16	F21W/T5/840/BULK	93013100	2 000	Cool White	4000	85	24 000	23	A+	40
1	21	849	16	F21W/T5/865	93012729	1 900	Daylight	6500	85	24 000	23	A+	30
1	28	1 149	16	F28W/T5/830	33402	2 760	Warm White	3000	85	24 000	31	A+	30
1	28	1 149	16	F28W/T5/840	33403	2 760	Cool White	4000	85	24 000	31	A+	30
1	28	1 149	16	F28W/T5/840/BULK	93013118	2 760	Cool White	4000	85	24 000	31	A+	40
1	28	1 149	16	F28W/T5/865	33409	2 630	Daylight	6500	85	24 000	31	A+	30
1	35	1 449	16	F35W/T5/830	33410	3 510	Warm White	3000	85	24 000	38	A+	30
1	35	1 449	16	F35W/T5/840	33417	3 510	Cool White	4000	85	24 000	38	A+	30
1	35	1 449	16	F35W/T5/840/BULK	93013119	3 510	Cool White	4000	85	24 000	38	A+	40
1	35	1 449	16	F35W/T5/865	33421	3 360	Daylight	6500	85	24 000	38	A+	30

T5 24 000h — High Output, G5 Cap

Model	Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty
1	24	549	16	F24W/T5/830	93012728	2 000	Warm White	3000	85	24 000	24	A+	30
1	24	549	16	F24W/T5/840	93012727	2 000	Cool White	4000	85	24 000	24	A+	30
1	24	549	16	F24W/T5/840/BULK	93013099	2 000	Cool White	4000	85	24 000	24	A+	40
1	24	549	16	F24W/T5/865	93012737	1 900	Daylight	6500	85	24 000	25	A	30
1	39	849	16	F39W/T5/830	93012738	3 450	Warm White	3000	85	24 000	41	A+	30
1	39	849	16	F39W/T5/840	93012739	3 450	Cool White	4000	85	24 000	41	A+	30
1	39	849	16	F39W/T5/840/BULK	93013101	3 450	Cool White	4000	85	24 000	41	A+	40
1	39	849	16	F39W/T5/865	93012730	3 300	Daylight	6500	85	24 000	41	A+	30
1	49	1 449	16	F49W/T5/830	93012732	4 850	Warm White	3000	85	24 000	54	A+	30
1	49	1 449	16	F49W/T5/840	93012723	4 850	Cool White	4000	85	24 000	54	A+	30
1	49	1 449	16	F49W/T5/840/BULK	93013120	4 850	Cool White	4000	85	24 000	54	A+	40
1	49	1 449	16	F49W/T5/865	93012724	4 600	Daylight	6500	85	24 000	54	A+	30
1	54	1 149	16	F54W/T5/830	93012733	4 860	Warm White	3000	85	24 000	59	A+	30
1	54	1 149	16	F54W/T5/840	93012734	4 860	Cool White	4000	85	24 000	59	A+	30

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T5 24 000h — High Output, G5 Cap

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
54	1 149	16	F54W/T5/840/BULK	93013121	4 860	Cool White	4000	85	24 000	59	A+	40	1
54	1 149	16	F54W/T5/865	93012735	4 750	Daylight	6500	85	24 000	58	A+	30	1
80	1 449	16	F80W/T5/830	93012736	7 000	Warm White	3000	85	24 000	87	A+	30	1
80	1 449	16	F80W/T5/840	93012731	7 000	Cool White	4000	85	24 000	87	A+	30	1
80	1 449	16	F80W/T5/840/BULK	93013122	7 000	Cool White	4000	85	24 000	87	A+	40	1
80	1 449	16	F80W/T5/865	93012740	6 650	Daylight	6500	85	24 000	88	A	30	1

T5 Miniature — Specfill Triphosphor — Emergency Lighting, 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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
6	212.1	16	F6W/T5/840/SPECFILL/IND	40327	300	Cool White	4000	80+	8 000	6	A	100	1
8	288.3	16	F8W/T5/840/SPECFILL/IND	40331	460	Cool White	4000	80+	8 000	8	A	100	1
8	288.3	16	F8W/T5/865/SPECFILL/IND	45034	430	Daylight	6500	80+	8 000	8	A	100	1

T5 Miniature — Specfill Standard — Emergency Lighting, 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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
6	212.1	16	F6W/T5/33/SPECFILL/IND	40307	260	Cool White	4000	60	8 000	6	A	100	1
8	288.3	16	F8W/T5/35/SPECFILL	27027	375	White	3500	54	8 000	8	B	25	1
8	288.3	16	F8W/T5/35/SPECFILL/IND	91451	375	White	3500	54	8 000	8	B	100	1
8	288.3	16	F8W/T5/33/SPECFILL	27011	375	Cool White	4000	60	8 000	8	B	25	1
8	288.3	16	F8W/T5/33/SPECFILL/IND	91450	375	Cool White	4000	60	8 000	8	B	100	1

T5 Miniature — Triphosphor, 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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
8	288.3	16	F8W/T5/827/IND	37008	460	Extra Warm White	2700	80+	5 000	8	A	100	2
8	288.3	16	F8W/T5/840/IND	37009	460	Cool White	4000	80+	5 000	8	A	100	2
13	516.9	16	F13W/T5/827	39447	970	Extra Warm White	2700	80+	5 000	14	A	25	2

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Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
T5 Miniature – Standard, G5 Cap													
1	4	135.9	16	F4W/T5/35	39446	130	White	3500	54	5 000	5	B	25
1	4	135.9	16	F4W/T5/33	39441	130	Cool White	4000	60	5 000	5	B	25
1	6	212.1	16	F6W/T5/35	39442	260	White	3500	54	5 000	6	B	25
1	6	212.1	16	F6W/T5/33	39445	260	Cool White	4000	60	5 000	6	B	25
1	8	288.3	16	F8W/T5/29	37754	380	Warm White	2900	52	5 000	8	B	25
1	8	288.3	16	F8W/T5/35	37756	380	White	3500	54	5 000	8	B	25
1	8	288.3	16	F8W/T5/33	37755	380	Cool White	4000	60	5 000	8	B	25
1	13	516.9	16	F13W/T5/29	39437	830	Warm White	2900	52	5 000	14	B	25
1	13	516.9	16	F13W/T5/35	39439	830	White	3500	54	5 000	14	B	25
1	13	516.9	16	F13W/T5/33	39440	830	Cool White	4000	60	5 000	14	B	25
T5 Circline™ – 2Gx13 Cap													
2	22	230	16	FC22W/T5/830	75709	1 900	Warm White	3000	82	12 000	25	A	10
2	22	230	16	FC22W/T5/840	75720	1 900	Cool White	4000	82	12 000	25	A	10
2	40	305	16	FC40W/T5/830	75712	3 300	Warm White	3000	82	12 000	45	A	10
2	40	305	16	FC40W/T5/840	75713	3 300	Cool White	4000	82	12 000	45	A	10
2	55	305	16	FC55W/T5/830	75717	4 200	Warm White	3000	82	12 000	61	A	10
2	55	305	16	FC55W/T5/840	75718	4 200	Cool White	4000	82	12 000	61	A	10
T8 Watt-Miser™ – G13 Cap													
3	16	589.8	26	F16W/T8/830/WM *	62524	1 300	Warm White	3000	80+	15 000	20	A	25
3	16	589.8	26	F16W/T8/840/WM	62525	1 300	Cool White	4000	80+	15 000	20	A	25
3	16	589.8	26	F16W/T8/860/WM *	62526	1 230	Daylight	6400	80+	15 000	20	A	25
3	32	1 199.4	26	F32W/T8/830/WM *	62527	2 750	Warm White	3000	80+	15 000	37	A	25
3	32	1 199.4	26	F32W/T8/840/WM	62528	2 750	Cool White	4000	80+	15 000	37	A	25
3	32	1 199.4	26	F32W/T8/860/WM *	62529	2 600	Daylight	6400	80+	15 000	38	A	25
3	51	1 500	26	F51W/T8/830/WM *	62570	4 320	Warm White	3000	80+	15 000	59	A	25
3	51	1 500	26	F51W/T8/840/WM	62569	4 320	Cool White	4000	80+	15 000	59	A	25
3	51	1 500	26	F51W/T8/860/WM *	62568	4 120	Daylight	6400	80+	15 000	60	A	25
T8 Polylux XLR™ LongLast™ – G13 Cap													
4	18	589.8	26	F18W/T8/830/LL *	62567	1 350	Warm White	3000	80+	28 000	22	A	25
4	18	589.8	26	F18W/T8/840/LL	62566	1 350	Cool White	4000	80+	28 000	22	A	25
4	36	1 199.4	26	F36W/T8/830/LL *	62565	3 350	Warm White	3000	80+	28 000	42	A	25
4	36	1 199.4	26	F36W/T8/840/LL	62564	3 350	Cool White	4000	80+	28 000	42	A	25
4	58	1 500	26	F58W/T8/830/LL *	62563	5 200	Warm White	3000	80+	28 000	67	A	25
4	58	1 500	26	F58W/T8/840/LL	62562	5 200	Cool White	4000	80+	28 000	67	A	25

* Will be phased out without direct substitute

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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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
T8 Polylux XLR™ — G13 Cap													
15	437.4	26	F15W/T8/830/POLYLUX	62546	950	Warm White	3000	80+	15 000	19	B	25	5
15	437.4	26	F15W/T8/835 POLYLUX	62530	950	White	3500	80+	15 000	19	B	25	5
15	437.4	26	F15W/T8/840/POLYLUX	23249	950	Cool White	4000	80+	15 000	19	B	25	5
15	437.4	26	F15W/T8/860/POLYLUX	62544	900	Daylight	6400	80+	15 000	18	B	25	5
18	589.8	26	F18W/T8/827/POLYLUX	62560	1 350	Extra Warm White	2700	80+	15 000	22	A	25	5
18	589.8	26	F18W/T8/830/POLYLUX	62559	1 350	Warm White	3000	80+	15 000	22	A	25	5
18	589.8	26	F18W/T8/835/POLYLUX	62534	1 350	White	3500	80+	15 000	22	A	25	5
18	589.8	26	F18W/T8/840/POLYLUX	62558	1 350	Cool White	4000	80+	15 000	22	A	25	5
18	589.8	26	F18W/T8/860/POLYLUX	62557	1 250	Daylight	6400	80+	15 000	22	A	25	5
30	894.6	26	F30W/T8/830/POLYLUX	62556	2 450	Warm White	3000	80+	15 000	37	A	25	5
30	894.6	26	F30W/T8/835/POLYLUX	62533	2 450	White	3500	80+	15 000	37	A	25	5
30	894.6	26	F30W/T8/840/POLYLUX	62555	2 450	Cool White	4000	80+	15 000	37	A	25	5
30	894.6	26	F30W/T8/860/POLYLUX	14104	2 300	Daylight	6400	80+	15 000	36	A	25	5
36	1 199.4	26	F36W/T8/827/POLYLUX	62554	3 350	Extra Warm White	2700	80+	15 000	42	A	25	5
36	1 199.4	26	F36W/T8/830/POLYLUX	62553	3 350	Warm White	3000	80+	15 000	42	A	25	5
36	1 199.4	26	F36W/T8/835/POLYLUX	62532	3 350	White	3500	80+	15 000	42	A	25	5
36	1 199.4	26	F36W/T8/840/POLYLUX	62551	3 350	Cool White	4000	80+	15 000	42	A	25	5
36	1 199.4	26	F36W/T8/860/POLYLUX	62552	3 250	Daylight	6400	80+	15 000	43	A	25	5
58	1 500	26	F58W/T8/827/POLYLUX	62550	5 200	Extra Warm White	2700	80+	15 000	68	A	25	5
58	1 500	26	F58W/T8/830/POLYLUX	62549	5 200	Warm White	3000	80+	15 000	68	A	25	5
58	1 500	26	F58W/T8/835/POLYLUX	62531	5 200	White	3500	80+	15 000	68	A	25	5
58	1 500	26	F58W/T8/840/POLYLUX	62548	5 200	Cool White	4000	80+	15 000	68	A	25	5
58	1 500	26	F58W/T8/860/POLYLUX	62547	5 000	Daylight	6400	80+	15 000	68	A	25	5
70	1 763.8	26	F70W/T8/835/POLYLUX	62572	6 000	White	3500	80+	15 000	81	A	25	5
70	1 763.8	26	F70W/T8/840/POLYLUX	62573	6 000	Cool White	4000	80+	15 000	81	A	25	5

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Linear Fluorescent Lamps

	Model	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)	Energy Consumption (kWh)	EEC	Pack Qty
T8 covRguard™ Polylux XLR™ — G13 Cap														
1	**18**	589.8	26	**F18W/T8/840 CVG ***	**17205**	1 300	Cool White	4000	80+	15 000	22	A	25
1	**36**	1 199.4	26	**F36W/T8/840 CVG ***	**19114**	3 250	Cool White	4000	80+	15 000	42	A	25
1	**58**	1 500	26	**F58W/T8/840 CVG ***	**65224**	5 050	Cool white	4000	80+	15 000	68	A	25

* Will be phased out without direct substitute

	Model	Wattage (W)	Volt (V)	Product Description	Rated Life (switching cycles)	Product Code	Pack Qty
Starter							
2	**Series 4-8W, 15-22W**	220-240V	**155/200/4-22W/TANDEM/IND ***	10 000	**36714**	2,000
2	**Single 75-125W**	110-130V	**155/800/75-125W/BX**	10 000	**37864**	250
2	**Single 75-115W**	110-130V	**155/801/75-115W/IND ***	10 000	**37974**	2,000
2	**Series 4-8W, 15-22W**	220-240V	**155/200 4-22W/TANDEM/BX**	8 000	**64085**	250
2	**Series 4-8W, 15-22W**	220-240V	**155/200 4-22W/TANDEM/IND**	8 000	**64086**	2,000
2	**Single 4-65W**	110-130V	**155/500 4-65W/UNIV/BX**	8 000	**64087**	250
2	**Single 4-65W**	110-130V	**155/500 4-65W/UNIV/IND**	8 000	**64088**	2,000

* Will be phased out

1 2

Linear Fluorescent Lamps

Brand cross reference

GE Lighting	Osram	Philips	Sylvania
T5 Watt-Miser™ High Efficiency	**Lumilux T5 HE ES**	**Master TL5 HE Eco**	**T5 FHE Linear Ecoline**
F13W/T5/830/WM	13W/830	–	13W/T5/830
F13W/T5/840/WM	13W/840	13W/840	13W/T5/840
F20W/T5/840/WM	19W/830	–	19W/T5/830
F26W/T5/830/WM	25W/830	25W/830	25W/T5/830
F26W/T5/840/WM	25W/840	25W/840	25W/T5/840
F33W/T5/830/WM	32W/830	–	32W/T5/830
F33W/T5/840/WM	32W/840	32W/840	32W/T5/840
T5 Watt-Miser™ High Output	**Lumilux T5 HO ES**	**Master TL5 HO Eco**	**T5 FHO Linear Ecoline**
F21W/T5/840/WM	20W/840	20W/840	FHE20W/T5/840
F36W/T5/840/WM	34W/840	–	FHE35W/T5/840
F46W/T5/830/WM	45W/830	–	FHE45W/T5/830
F46W/T5/840/WM	45W/840	45W/840	FHE45W/T5/840
F51W/T5/830/WM	50W/830	–	FHE50W/T5/830
F51W/T5/840/WM	50W/840	50W/840	FHE50W/T5/840
F76W/T5/830/WM	73W/830	–	FHE73W/T5/830
F76W/T5/840/WM	73W/840	73W/840	FHE73W/T5/840
T5 LongLast™ High Efficiency	**Lumilux T5 HE XT**	**Master TL5 HE**	
F14W/T5/827/LL	–	–	–
F14W/T5/830/LL	–	–	–
F14W/T5/835/LL	–	–	–
F14W/T5/840/LL	–	–	–
F14W/T5/865/LL	–	–	–
F21W/T5/827/LL	–	–	–
F21W/T5/830/LL	–	–	–
F21W/T5/840/LL	–	–	–
F21W/T5/865/LL	–	–	–
F28W/T5/827/LL	–	–	–
F28W/T5/830/LL	–	–	–
F28W/T5/840/LL	–	–	–
F28W/T5/865/LL	–	–	–
F35W/T5/827/LL	–	–	–
F35W/T5/830/LL	–	–	–
F35W/T5/835/LL	–	–	–
F35W/T5/840/LL	HE XT 35W/840	–	–
F35W/T5/865/LL	HE XT 35W/865	–	–
T5 LongLast™ High Output	**Lumilux T5 HO XT**	**Master TL5 HO Xtra**	
F24W/T5/830/LL	–	–	–
F24W/T5/835/LL	–	–	–
F24W/T5/840/LL	–	–	–
F24W/T5/865/LL	–	–	–
F39W/T5/830/LL	–	–	–
F39W/T5/840/LL	–	–	–
F49W/T5/830/LL	HO XT 49W/830	–	–
F49W/T5/835/LL	–	–	–
F49W/T5/840/LL	HO XT 49W/840	49W/840	–
F49W/T5/865/LL	HO XT 49W/865	–	–
F54W/T5/830/LL	HO XT 54W/830	–	–
F54W/T5/840/LL	HO XT 54W/840	–	–
F54W/T5/865/LL	HO XT 54W/865	–	–
F80W/T5/830/LL	HO XT 80W/830	–	–
F80W/T5/840/LL	HO XT 80W/840	80W/840	–

Linear Fluorescent Lamps

Brand cross reference

GE Lighting	Osram	Philips	Sylvania
T5 24 000h High Efficiency	**Lumilux T5 HE**	**Master TL5 HE**	**T5 Luxline Plus FHE**
F14W/T5/830	HE 14W/830	14W/830	FHE14W/830
F14W/T5/840	HE 14W/840	14W/840	FHE14W/840
F14W/T5/865	HE 14W/865	14W/865	FHE14W/860
F21W/T5/830	HE 21W/830	21W/830	FHE21W/830
F21W/T5/840	HE 21W/840	21W/840	FHE21W/840
F21W/T5/865	HE 21W/865	21W/865	FHE21W/860
F28W/T5/830	HE 28W/830	28W/830	FHE28W/830
F28W/T5/840	HE 28W/840	28W/840	FHE28W/840
F28W/T5/865	HE 28W/865	28W/865	FHE28W/860
F35W/T5/830	HE 35W/830	35W/830	FHE35W/830
F35W/T5/840	HE 35W/840	35W/840	FHE35W/840
F35W/T5/865	HE 35W/865	35W/865	FHE35W/860
T5 24 000h High Output	**Lumilux T5 HO**	**Master TL5 HO**	**T5 Luxline Plus FHO**
F24W/T5/830	HO24W/830	24W/830	FHO24W/T5/830
F24W/T5/840	HO24W/840	24W/840	FHO24W/T5/840
F24W/T5/865	HO24W/865	24W/865	FHO24W/T5/865
F39W/T5/830	HO39W/830	39W/830	FHO39W/T5/830
F39W/T5/840	HO39W/840	39W/840	FHO39W/T5/840
F39W/T5/865	HO39W/865	–	FHO39W/T5/865
F49W/T5/830	HO49W/830	49W/830	FHO49W/T5/830
F49W/T5/840	HO49W/840	49W/840	FHO49W/T5/840
F49W/T5/865	HO49W/865	49W/865	FHO49W/T5/865
F54W/T5/830	HO54W/830	54W/830	FHO54W/T5/830
F54W/T5/840	HO54W/840	54W/840	FHO54W/T5/840
F54W/T5/865	HO54W/865	54W/865	FHO54W/T5/865
F80W/T5/830	HO80W/830	80W/830	FHO80W/T5/830
F80W/T5/840	HO80W/840	80W/840	FHO80W/T5/840
F80W/T5/865	HO80W/865	80W/865	FHO80W/T5/865
T5 Miniature Specfill Triphosphore EMERGENCY LIGHTING	**Lumilux T5 Short EL**	**Master TL Mini Super 80**	**T5 Emergency**
F6W/T5/840/SPECFILL	6W/840	8W/840	F6W/840/SP200
F8W/T5/840/SPECFILL	8W/840	–	F8W/840/SP200
F8W/T5/865/SPECFILL	–	–	–
T5 Miniature Specfill Triphosphore EMERGENCY LIGHTING	**Basic T5 Short EL**	**TL Mini Standard**	**T5 Emergency**
F6W/T5/33/SPECFILL	6W/640	6W/33	F6W/133/SP200
F8W/T5/35/SPECFILL	–	–	–
F8W/T5/33/SPECFILL	8W/640	8W/33	F8W/133/SP200
T5 Miniature Standard	**Basic T5 short**		**T5 Standard**
F4W/T5/35	–	–	F4W/135
F4W/T5/33	L4W/640	–	F4W/133
F6W/T5/35	–	–	F6W/135
F6W/T5/33	L6W/640	–	F6W/133
F8W/T5/29	–	–	–
F8W/T5/35	L8W/535	–	F8W/135
F8W/T5/33	L8W/640	–	F8W/133
F13W/T5/29	–	–	F13W/129
F13W/T5/35	–	–	F13W/135
F13W/T5/33	L13W/640	–	F13W/133

Linear Fluorescent Lamps

Brand cross reference

LFL

GE Lighting	Osram	Philips	Sylvania
T5 Circline™	**Lumilux T5 FC**	**Master TL5 Circular**	**T5 Circline Plus**
FC22W/T5/830	FC22W/830	–	22W/830
FC22W/T5/840	FC22W/840	22W/840	22W/840
FC40W/T5/830	FC40W/830	–	40W/830
FC40W/T5/840	FC40W/840	40W/840	40W/840
FC55W/T5/830	FC55W/830	55W/830	55W/830
T8 Watt-Miser™	**Lumilux T8 ES**	**Master TL-D Eco**	**T8 Luxline Eco**
F16W/T8/830/WM	16W/830 ES	–	–
F16W/T8/840/WM	16W/840 ES	16W/840	–
F16W/T8/860/WM	–	–	–
F32W/T8/830/WM	32W/830 ES	–	F32W/830
F32W/T8/840/WM	32W/840 ES	32W/840	F32W/840
F32W/T8/860/WM	–	–	F32W/865
F51W/T8/830/WM	51W/830 ES	–	F51W/830
F51W/T8/840/WM	51W/840 ES	51W/840	F51W/840
F51W/T8/860/WM	–	–	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	–
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	–	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	–	–	F30W/835
F30W/T8/840/POLYLUX	L30W/840	30W/840	F30W/840
F30W/T8/860/POLYLUX	L30W/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/835
F70W/T8/840/POLYLUX	L70W/840	70W/840	F70W/840

Compact Fluorescent Lamps Non-Integrated

CFL Non-Integrated

Compact Fluorescent Lamps Non-Integrated

Efficient, versatile solutions for compact spaces

Compact Fluorescent Lamps (CFL) have an important role to play in terms of protecting the environment through reduced energy consumption and the resulting cut in CO_2 emissions. In addition, the long rated life of CFL Lamps means low maintenance requirements, further reducing the total cost of ownership.

Our attractive range of CFL products includes energy saving Watt-Miser™ Lamps and the low maintenance, extended life LongLast™ range. Whichever you choose, these lamps offer a versatile, high quality solution when space is at a premium, with market-leading life performance and impressive levels of energy efficiency.

- Wide range of colour and wattage (2700 – 6500K, 5 – 70W)
- Dimmability for further cost/energy savings
- Motion detection available with selected drivers
- Wide choice of models for different applications

LONG LIFE

REDUCED MAINTENANCE COSTS

REDUCED CO_2 EMISSION

WattMiser™

CFL Watt-Miser™ Lamps

- 2D™ Watt-Miser™ Lamps are direct replacements for standard 2D™ lamps (16/21/28/38W)
- Compatible with existing control gear for additional energy saving
- 2D shape suitable for broad range of applications – ideal for circular light distribution
- 'A' class energy rating – 5 – 12% extra energy saving
- Market leading life performance up to 15 000 hours

Application areas:

- Residential
- Domestic
- Hotels/motels/restaurants
- Utility areas
- Task lighting
- Emergency lighting

LongLast™

CFL LongLast™ Lamps

- Long service life up to 20 000 hours for significantly reduced replacement and maintenance costs
- Double, triple and quad tube (D/E, T/E, Q/E) options
- Ideal light source for small fixtures and downlighters
- Recommended control gear list and additional technical details (data sheets) at www.gelighting.com/eu

Application areas:

- Downlighting
- Corridor lighting
- Office buildings
- Hotels/motels
- Restaurants
- Retail

Compact Fluorescent Lamps Non-Integrated

Product overview

Biax™ S – 2-pin

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

Biax™ S/E – 4-pin

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

Biax™ S

LongLast™

Biax™ D – 2-pin

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

LongLast™

Biax™ D/E – 4-pin

Cap: G24q
Wattage: 10-13-18-26W
Colors: 2700 – 6500K
Rated life: 20 000 h

Biax™ D

LongLast™

Biax™ Q/E – 4-pin

Cap: GX24q
Wattages: 57 – 70W
Colours: 2700 – 4000K
Rated life: 20 000 h

Biax™ Q

LongLast™

Biax™ L – 4-pin

Cap: 2G11
Wattages: 18 – 55W
Colours: 2700 – 6500K
Rated life: 15 000 – 22 500 h

Biax™ L

LongLast™

Biax™ T – 2-pin

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

LongLast™

Biax™ T/E – 4-pin

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

Biax™ T

WattMiser™

2D™ Watt-Miser™

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

Biax 2D™

Cap: GR10q-3
Wattages: 55W
Colours: 2700 – 3500K
Rated life: 10 000 h

WattMiser™

Biax™ 2D™ Integral

Cap: GRZ10d
Wattages: 18W
Colours: 3500K
Rated life: 10 000 h

2D™

Compact Fluorescent Lamps Non-Integrated

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Biax™ S 2-pin, Internal Starter														
1	5	35	G23	F5BX/SPX27/827	37654	265	2700	82	10 000	32	107.5	7.2	B	10
1	5	35	G23	F5BX/SPX41/840	37661	265	4000	82	10 000	32	107.5	7.2	B	10
1	7	47	G23	F7BX/SPX27/827	37846	425	2700	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/830	38930	425	3000	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/SPX35/835	37659	425	3500	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/SPX41/840	37660	425	4000	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/865	38984	425	6500	82	10 000	32	136.5	9.2	A	10
1	9	60	G23	F9BX/827	37651	600	2700	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/830	38929	600	3000	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/SPX35/835	37652	600	3500	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/SPX41/840	37653	600	4000	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/865	38985	600	6500	82	10 000	32	167	11.1	A	10
1	11	91	G23	F11BX/827	37663	900	2700	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/830	38928	900	3000	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/835	37666	900	3500	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/840	37664	900	4000	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/865	38986	900	6500	82	10 000	32	237	14.7	A	10
Biax™ S/E 4-pin, External Starter Required														
2	5	35	2G7	F5BX/827/4P	37714	265	2700	82	15 000*	37.5	92	5.5	A	10
2	5	35	2G7	F5BX/840/4P	37715	265	4000	82	15 000*	37.5	92	5.5	A	10
2	7	47	2G7	F7BX/827/4P	37658	425	2700	82	15 000*	37.5	121	7.2	A	10
2	7	47	2G7	F7BX/840/4P	37716	425	4000	82	15 000*	37.5	121	7.2	A	10
2	9	60	2G7	F9BX/827/4P	37710	600	2700	82	15 000*	37.5	151	8.8	A+	10
2	9	60	2G7	F9BX/830/4P	97926	600	3000	82	15 000*	37.5	151	8.8	A+	10
2	9	60	2G7	F9BX/840/4P	37711	600	4000	82	15 000*	37.5	151	8.8	A+	10
2	11	91	2G7	F11BX/827/4P	37717	900	2700	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/830/4P	97925	600	3000	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/840/4P	37713	900	4000	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/865/4P	12603	900	6500	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/GREEN/2G7	98311	1 200	GREEN	N/A	15 000*	37.5	222	N/A	N/A	10
2	11	91	2G7	F11BX/BLUE/2G7	98313	250	BLUE	N/A	15 000*	37.5	222	N/A	N/A	10
2	11	91	2G7	F11BX/RED/2G7	98314	600	RED	N/A	15 000*	37.5	222	N/A	N/A	10

* Life on electronic gear 12h-cycle

Product Description - explanation

For further information check the glossary

F 5 BX / RED / 8 2 7

- F: Identifies lamp as fluorescent
- 5: Lamp's wattage
- BX: Product type
- RED: American standard coding of colour temperature
- 827: Colour temperature — XX=First 2 digits of temperature in Kelvin - XX00K. Eg. 27 is 2700K
- 827: Colour rendering — Ra 60-69 (group 2B), Ra 70-79 (group 2A), Ra 80-89 (group 1B), Ra 90-99 (group 1A)
- 827: Colour definition — 827=Extra Warm White, 830=Warm White, 835=White, 840=Cool White, 865=Daylight

1 2

Compact Fluorescent Lamps Non-Integrated

CFL Non-Integrated

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Biax™ D 2-pin, Internal Starter														
10	64	G24D-1	F10DBX/T4/827/2P	70248	600	2700	82	12 000	34.4	108.5	12.7	B	10	3
10	64	G24D-1	F10DBX/T4/830/2P	70258	600	3000	82	12 000	34.4	108.5	12.7	B	10	3
10	64	G24D-1	F10DBX/T4/840/2P	70265	600	4000	82	12 000	34.4	108.5	12.7	B	10	3
10	64	G24D-1	F10DBX/T4/865/2P	70268	600	6500	82	12 000	34.4	108.5	12.7	B	10	3
10	64	G24D-1	F10DBX/T3/827/2P	78211*	600	2700	82	12 000	34.4	108	12.7	B	10	3
10	64	G24D-1	F10DBX/T3/840/2P	78214*	600	4000	82	12 000	34.4	108	12.7	B	10	3
10	64	G24D-1	F10DBX/T3/865/2P	78215*	600	6500	82	12 000	34.4	108	12.7	B	10	3
13	91	G24D-1	F13DBX/T4/827/2P	70561	900	2700	82	12 000	34.4	133	16.2	A	10	3
13	91	G24D-1	F13DBX/T4/830/2P	70572	900	3000	82	12 000	34.4	133	16.2	A	10	3
13	91	G24D-1	F13DBX/T4/840/2P	70573	900	4000	82	12 000	34.4	133	16.2	A	10	3
13	91	G24D-1	F13DBX/T4/865/2P	70574	900	6500	82	12 000	34.4	133	16.2	A	10	3
13	91	G24D-1	F13DBX/T3/827/2P	78221*	900	2700	82	12 000	34.4	139	16.2	A	10	3
13	91	G24D-1	F13DBX/T3/830/2P	78222*	900	3000	82	12 000	34.4	139	16.2	A	10	3
13	91	G24D-1	F13DBX/T3/835/2P	78223**	900	3500	82	12 000	34.4	139	16.2	A	10	3
13	91	G24D-1	F13DBX/T3/840/2P	78224*	900	4000	82	12 000	34.4	139	16.2	A	10	3
18	100	G24d-2	F18DBXT4/SPX27/827	12860	1 200	2700	82	12 000	34.4	154	22.1	B	10	3
18	100	G24d-2	F18DBXT4/SPX30/830	12861	1 200	3000	82	12 000	34.4	154	22.1	B	10	3
18	100	G24d-2	F18DBXT4/SPX35/835	12863	1 200	3500	82	12 000	34.4	154	22.1	B	10	3
18	100	G24d-2	F18DBXT4/SPX41/840	12864	1 200	4000	82	12 000	34.4	154	22.1	B	10	3
18	100	G24d-2	F18DBXT4/SPX65/865	13017	1 200	6500	82	12 000	34.4	154	22.1	B	10	3
26	105	G24d-3	F26DBXT4/SPX27/827	35250	1 800	2700	82	12 000	34.4	169.5	31.4	B	10	3
26	105	G24d-3	F26DBXT4/SPX30/830	35237	1 800	3000	82	12 000	34.4	169.5	31.4	B	10	3
26	105	G24d-3	F26DBXT4/SPX35/835	35251	1 800	3500	82	12 000	34.4	169.5	31.4	B	10	3
26	105	G24d-3	F26DBXT4/SPX41/840	35252	1 800	4000	82	12 000	34.4	169.5	31.4	B	10	3
26	105	G24d-3	F26DBXT4/SPX65/865	35305	1 710	6500	82	12 000	34.4	169.5	31.5	B	10	3

* Will be phased out, change from T3 to T4

** Will be phased out with no direct substitute

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Biax™ D/E LongLast™ 4-pin, External Starter Required														
10	64	G24q-1	F10DBX/T4/827/4P	70553	600	2700	82	20 000**	34.4	101	10.5	A	10	4
10	64	G24q-1	F10DBX/T4/830/4P	70555	600	3000	82	20 000**	34.4	101	10.5	A	10	4
10	64	G24q-1	F10DBX/T4/840/4P	70560	600	4000	82	20 000**	34.4	101	10.5	A	10	4
10	64	G24q-1	F10DBX/T3/827/4P	78217*	600	2700	82	20 000**	34.4	100.5	10.5	A	10	4
10	64	G24q-1	F10DBX/T3/830/4P	78218*	600	3000	82	20 000**	34.4	100.5	10.5	A	10	4
13	91	G24q-1	F13DBX/T4/827/4P	70580	900	2700	82	20 000**	34.4	125.5	13.8	A	10	4
13	91	G24q-1	F13DBX/T4/830/4P	70583	900	3000	82	20 000**	34.4	125.5	13.8	A	10	4
13	91	G24q-1	F13DBX/T4/840/4P	70584	900	4000	82	20 000**	34.4	125.5	13.8	A	10	4
13	91	G24q-1	F13DBX/T4/865/4P	70587	900	6500	82	20 000**	34.4	125.5	13.8	A	10	4

* Will be phased out, change from T3 to T4

** Life on electronic gear 12h-cycle

3 4

Compact Fluorescent Lamps Non-Integrated

Biax™ D/E LongLast™ 4-pin, External Starter Required

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
1	18	100	G24q-2	F18DBX/SPX27/827/4P	12865	1 200	2700	82	20 000*	34.4	146.5	18.2	A	10
1	18	100	G24q-2	F18DBX/SPX30/830/4P	12866	1 200	3000	82	20 000*	34.4	146.5	18.2	A	10
1	18	100	G24q-2	F18DBX/SPX35/835/4P	12869	1 200	3500	82	20 000*	34.4	146.5	18.2	A	10
1	18	100	G24q-2	F18DBX/SPX41/840/4P	12870	1 200	4000	82	20 000*	34.4	146.5	18.2	A	10
1	26	105	G24q-3	F26DBX/SPX27/827/4P	35247	1 800	2700	82	20 000*	34.4	162	26.4	A	10
1	26	105	G24q-3	F26DBX/SPX30/830/4P	35235	1 800	3000	82	20 000*	34.4	162	26.4	A	10
1	26	105	G24q-3	F26DBX/SPX35/835/4P	35248	1 800	3500	82	20 000*	34.4	162	26.4	A	10
1	26	105	G24q-3	F26DBX/SPX41/840/4P	35236	1 800	4000	82	20 000*	34.4	162	26.4	A	10
1	26	105	G24q-3	F26DBX/SPX65/865/4P	42798	1 710	6500	82	20 000*	34.4	162	26.4	A	10

* Life on electronic gear 12h-cycle

Biax™ T 2-pin with Amalgam, Internal Starter

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
2	13	91	GX24d-1	F13TBX/827/A/2P	35940	900	2700	82	12 000	49.3	112.9	16.2	B	10
2	13	91	GX24d-1	F13TBX/SPX30/830/A/2P	35966	900	3000	82	12 000	49.3	112.9	16.2	B	10
2	13	91	GX24d-1	F13TBX/SPX41/A/2P	35941	900	4000	82	12 000	49.3	112.9	16.2	B	10
2	18	100	GX24d-2	F18TBX/SPX27/827/A/2P	35945	1 200	2700	82	12 000	49.3	127.4	22.1	B	10
2	18	100	GX24d-2	F18TBX/SPX30/830/A/2P	35944	1 200	3000	82	12 000	49.3	127.4	22.1	B	10
2	18	100	GX24d-2	F18TBX/SPX41/840/A/2P	35939	1 200	4000	82	12 000	49.3	127.4	22.1	B	10
2	26	105	GX24d-3	F26TBX/SPX27/827/A/2P	35959	1 800	2700	82	12 000	49.3	139.9	32.8	B	10
2	26	105	GX24d-3	F26TBX/SPX30/830/A/2P	35952	1 800	3000	82	12 000	49.3	139.9	32.8	B	10
2	26	105	GX24d-3	F26TBX/SPX41/840/A/2P	35964	1 800	4000	82	12 000	49.3	139.9	32.8	B	10

Biax™ T/E LongLast™ 4-pin with Amalgam, External Starter Required

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
3	13	91	GX24q-1	F13TBX/SPX27/827/A/4P	34391	900	2700	82	20 000**	49.3	106.2	13.8	A	10
3	13	91	GX24q-1	F13TBX/SPX30/830/A/4P	34395	900	3000	82	20 000**	49.3	106.2	13.8	A	10
3	13	91	GX24q-1	F13TBX/SPX35/835/A/4P	34400	900	3500	82	20 000**	49.3	106.2	13.8	A	10
3	13	91	GX24q-1	F13TBX/SPX41/840/A/4P	34387	900	4000	82	20 000**	49.3	106.2	13.8	A	10
3	18	100	GX24q-2	F18TBX/SPX27/827/A/4P	34392	1 200	2700	82	20 000**	49.3	120.7	18.2	A	10
3	18	100	GX24q-2	F18TBX/SPX30/830/A/4P	34396	1 200	3000	82	20 000**	49.3	120.7	18.2	A	10
3	18	100	GX24q-2	F18TBX/SPX35/835/A/4P	34405	1 200	3500	82	20 000**	49.3	120.7	18.2	A	10
3	18	100	GX24q-2	F18TBX/SPX41/840/A/4P	34385	1 200	4000	82	20 000**	49.3	120.7	18.2	A	10
3	26	105	GX24q-3	F26TBX/SPX27/827/A/4P	34393	1 800	2700	82	20 000**	49.3	133.2	26.4	A	10
3	26	105	GX24q-3	F26TBX/SPX30/830/A/4P	34397	1 800	3000	82	20 000**	49.3	133.2	26.4	A	10
3	26	105	GX24q-3	F26TBX/SPX35/835/A/4P	34406	1 800	3500	82	20 000**	49.3	133.2	26.4	A	10
3	26	105	GX24q-3	F26TBX/SPX41/840/A/4P	34381	1 800	4000	82	20 000**	49.3	133.2	26.4	A	10

**Life on electronic gear 12h-cycle

Compact Fluorescent Lamps Non-Integrated

CFL Non-Integrated

Biax™ T/E LongLast™ 4-pin with Amalgam, External Starter Required with HF gear*

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
32	100	GX24q-3	F32TBX/SPX27/827/AP4P	94520	2 400	2700	82	20 000**	49.3	146.2	35.2	A	10	4
32	100	GX24q-3	F32TBX/SPX30/830/AP4P	94521	2 400	3000	82	20 000**	49.3	146.2	35.2	A	10	4
32	100	GX24q-3	F32TBX/SPX35/835/A/4P	94522	2 400	3500	82	20 000**	49.3	146.2	35.2	A	10	4
32	100	GX24q-3	F32TBX/SPX41/840/A/4P	94523	2 400	4000	82	20 000**	49.3	146.2	35.2	A	10	4
42	135	GX24q-4	F42TBX/827/A/4P	46312	3 200	2700	82	20 000**	49.3	163.2	47.3	A	10	4
42	135	GX24q-4	F42TBX/830/A/4P	46313	3 200	3000	82	20 000**	49.3	163.2	47.3	A	10	4
42	135	GX24q-4	F42TBX/835/A/4P	46314	3 200	3500	82	20 000**	49.3	163.2	47.3	A	10	4
42	135	GX24q-4	F42TBX/841/A/4P	46315	3 200	4000	82	20 000**	49.3	163.2	47.3	A	10	4

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

**Life on electronic gear 12h-cycle

Biax™ Q/E LongLast™ 4-pin with Amalgam, External Starter Required with HF gear*

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
57	175	GX24q-5	F57QBX/827/A/4P/LL	45213 ***	4 300	2700	82	20 000**	58.3	180.7	61.6	A	10	5
57	175	GX24q-5	F57QBX/830/A/4P/LL	45204 ***	4 300	3000	82	20 000**	58.3	180.7	61.6	A	10	5
57	175	GX24q-5	F57QBX/835/A/4P/LL	45202 ***	4 300	3500	82	20 000**	58.3	180.7	61.6	A	10	5
57	175	GX24q-5	F57QBX/840/A/4P/LL	45201 ***	4 300	4000	82	20 000**	58.3	180.7	61.6	A	10	5
70	219	GX24q-6	F70QBX/830/A/4P/LL	45208 ***	5 200	3000	82	20 000**	58.3	208.2	77	A	10	5
70	219	GX24q-6	F70QBX/835/A/4P/LL	45219 ***	5 200	3500	82	20 000**	58.3	208.2	77	A	10	5
70	219	GX24q-6	F70QBX/840/A/4P/LL	45218 ***	5 200	4000	82	20 000**	58.3	208.2	77	A	10	5

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

** Life on electronic gear 12h-cycle

*** Whole range will be phased out

Biax™L LongLast™4-pin, External Starter Required with HF gear*

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
40	126	2G11	F40BX/830	41171	3 500	3000	82	22 500*	43.8	538.8	44	A	25	6
40	126	2G11	F40BX/835	41172	3 500	3500	82	22 500*	43.8	538.8	44	A	25	6
40	126	2G11	F40BX/840	41173	3 500	4000	82	22 500*	43.8	538.8	44	A	25	6
55	101	2G11	F55BX/830	41174	4 800	3000	82	22 500*	43.8	538.8	60.5	A	25	6
55	101	2G11	F55BX/835	41260	4 800	3500	82	22 500*	43.8	538.8	60.5	A	25	6
55	101	2G11	F55BX/840	41298	4 800	4000	82	22 500*	43.8	538.8	60.5	A	25	6
55	101	2G11	F55BX/865	75695	4 550	6500	82	22 500*	43.8	538.8	60.5	A	25	6

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

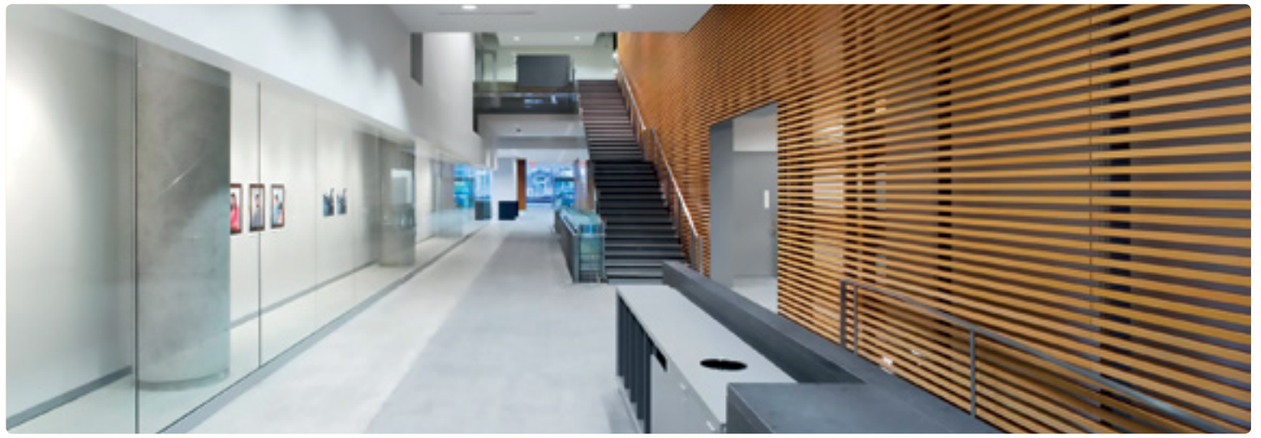
Compact Fluorescent Lamps Non-Integrated

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Biax™ L 4-pin, External Starter Required														
1	18	58	2G11	F18BX/827	41087	1 250	2700	82	15 000*	43.8	231.3	17.6	A	25
1	18	58	2G11	F18BX/830	41088	1 250	3000	82	15 000*	43.8	231.3	17.6	A	25
1	18	58	2G11	F18BX/835	41089	1 250	3500	82	15 000*	43.8	231.3	17.6	A	25
1	18	58	2G11	F18BX/840	41090	1 250	4000	82	15 000*	43.8	231.3	17.6	A	25
1	24	87	2G11	F24BX/827	41128	1 800	2700	82	15 000*	43.8	326.8	24.2	A	25
1	24	87	2G11	F24BX/830	41134	1 800	3000	82	15 000*	43.8	326.8	24.2	A	25
1	24	87	2G11	F24BX/835	41145	1 800	3500	82	15 000*	43.8	326.8	24.2	A	25
1	24	87	2G11	F24BX/840	41155	1 800	4000	82	15 000*	43.8	326.8	24.2	A	25
1	34	120	2G11	F34BX/830	41163	2 800	3000	82	15 000*	43.8	538.8	33	A+	25
1	34	120	2G11	F34BX/835	41166	2 800	3500	82	15 000*	43.8	538.8	33	A+	25
1	34	120	2G11	F34BX/840	41167	2 800	4000	82	15 000*	43.8	538.8	33	A+	25
1	36	106	2G11	F36BX/827	41307	2 900	2700	82	15 000*	43.8	421.8	36.6	A+	25
1	36	106	2G11	F36BX/830	41168	2 900	3000	82	15 000*	43.8	421.8	36.6	A+	25
1	36	106	2G11	F36BX/835	41169	2 900	3500	82	15 000*	43.8	421.8	36.6	A+	25
1	36	106	2G11	F36BX/840	41170	2 900	4000	82	15 000*	43.8	421.8	36.6	A+	25
1	36	106	2G11	F36BX/865	75694	2 750	6500	82	15 000*	43.8	421.8	36.6	A	25
2D™ Watt-Miser™														
2	16	103	GR8	F162D/835	41745*	1 100	3500	82	12 000	138	142	18.8	A	20
2	16	103	GR10q	F162D/827/4P	41746*	1 100	2700	82	12 000	138	142	15.4	A	20
2	16	103	GR10q	F162D/835/4P	41747*	1 100	3500	82	12 000	138	142	15.4	A	20
2	16	103	GR8	F162D/T4/827/2P GE HB 1/10 WM	85135	1 100	2700	82	12 000	138	142	18.8	A	10
2	16	103	GR8	F162D/T4/835/2P GE HB 1/10 WM	85138	1 100	3500	82	12 000	138	142	18.8	A	10
2	16	103	GR10q	F162D/T4/827/4P GE HB 1/10 WM	85141	1 100	2700	82	12 000	138	142	15.4	A	10
2	16	103	GR10q	F162D/T4/835/4P GE HB 1/10 WM	85142	1 100	3500	82	12 000	138	142	15.4	A	10
2	16	103	GR8	F162D/T4/860/2P GE HB 1/10 WM	85140	1 050	6000	82	12 000	138	142	18.8	A	10
2	21	103	GR10q	F212D/827/4P	41794*	1 375	2700	82	12 000	138	142	20.9	A	20
2	21	103	GR10q	F212D/835/4P	41806*	1 375	3500	82	12 000	138	142	20.9	A	20
2	21	103	GR10q	F212D/860/4P	41808*	1 305	6000	82	12 000	138	142	20.9	A	20
2	21	103	GR10q	F212D/T4/827/4P GE HB 1/10 WM	85143	1 375	2700	82	12 000	138	142	20.9	A	10
2	21	103	GR10q	F212D/T4/835/4P GE HB 1/10 WM	85144	1 375	3500	82	12 000	138	142	20.9	A	10
2	21	103	GR10q	F212D/T4/860/4P GE HB 1/10 WM	85145	1 305	6000	82	12 000	138	142	20.9	A	10
2	28	108	GR8	F282DT5/827/2P	10546*	2 150	2700	82	15 000	202	204	31.8	A	20
2	28	108	GR10q	F282DT5/827/4P	10547*	2 150	2700	82	15 000	202	204	27	A	20
2	28	108	GR10q	F282DT5/835/4P	10567*	2 150	3500	82	15 000	202	204	27	A	20
2	28	108	GR10q	F282DT5/840/4P	10548*	2 150	4000	82	15 000	202	204	27	A	20

* Life on electronic gear 12h-cycle

* Will be phased out without direct substitute

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
2D™ Watt-Miser™														
28	108	GR8	F282D/T5/827/2P GE HB 1/10 WM	85109	2 150	2700	82	15 000	202	204	31.8	A	20	2
28	108	GR10q	F282D/T5/827/4P GE HB 1/10 WM	85118	2 150	2700	82	15 000	202	204	27	A	20	2
28	108	GR10q	F282D/T5/830/4P GE HB1/10 WM	85120	2 150	3000	82	15 000	202	204	27	A	20	2
28	108	GR10q	F282D/T5/835/4P GE HB 1/10 WM	85130	2 150	3500	82	15 000	202	204	27	A	20	2
28	108	GR10q	F282D/T5/840/4P GE HB 1/10 WM	85132	2 150	4000	82	15 000	202	204	27	A	20	2
38	110	GR10q	F382DT5/827/4P	10550*	3 020	2700	82	15 000	202	204	38	A	20	2
38	110	GR10q	F382DT5/835/4P	10566*	3 020	3500	82	15 000	202	204	38	A	20	2
38	110	GR10q	F382D/T5/827/4P GE HB 1/10 WM	85133	3 020	2700	82	15 000	202	204	38	A	10	2
38	110	GR10q	F382D/T5/835/4P GE HB 1/10 WM	85134	3 020	3500	82	15 000	202	204	38	A	10	2
38	110	GR10q	F382D/T5/860/4P LEG HB 1/10 WM	85151	2 860	6000	82	15 000	202	204	38	A	10	2
Biax™ 2D™														
55	98	GR10q3	F552D/T5/827/4P A LEG HB 1/10	85148	3 900	2700	82	10 000	202	204	61.6	A	10	3
55	98	GR10q3	F552D/T5/830/4P A/T LEG HB 1/10	85149	3 900	3000	82	10 000	202	204	61.6	A	10	3
55	98	GR10q3	F552D/T5/835/4P A LEG HB 1/10	85150	3 900	3500	82	10 000	202	204	61.6	A	10	3
55	98	GR10q3	F552D/T5/830/4P	78339	3 900	3000	82	10 000	202	204	61.6	A	20	3
Biax™ 2D™ Watt-Miser™ with Integral Control Gear														
18	220-240	GRZ10d	FLE18W2D/835 GRZ10D	18123*	1 200	3500	82	10 000	138	142	16	A	10	4

* Will be phased out, pack change from blister to hanging box

* Will be phased out without direct substitute

Compact Fluorescent Lamps Non-Integrated

Brand cross reference

	GE Lighting		Osram	Philips	Sylvania
	Biax™ S 2-pin	**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 4-pin	Colour Temperature	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 2-pin	Colour Temperature	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/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/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

Compact Fluorescent Lamps Non-Integrated

Brand cross reference

	GE Lighting		Osram	Philips	Sylvania
	Biax™ D 2-pin	**Colour Temperature**	**Dulux-D**	**Master PL-C**	**Lynx-D**
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
	F26DBXT4/SPX41/840	4000	DULUX D 26W/840	PL-C 26W/840/2P	Lynx D 26W/840
	F26DBXT4/SPX65/865	6500	DULUX D 26W/865	PL-C 26W/865/2P	Lynx D 26W/865

	Biax™ D/E 4-pin	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/840/4P/EOL	4000	DULUX D/E 10W/840	PL-C 10W/840/4P	Lynx DE 10W/840
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/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 2-pin	Colour Temperature	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/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/840/A/2P	4000	DULUX T 26W/840	PL-T 26W/840/2P	Lynx T 26W/840

	Biax™ T/E 4-pin	Colour Temperature	Dulux T/E Plus	Master PL-T 4-pin	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	–	–	–

Compact Fluorescent Lamps Non-Integrated

Brand cross reference

	GE Lighting		Osram	Philips	Sylvania
	Biax™ T/E 4-pin	**Colour Temperature**	**Dulux T/E Plus**	**Master PL-T 4p0in**	**Lynx- TE**
	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
	Biax™ Q/E 4-pin	**Colour Temperature**	**Dulux T/E**	**PL-T**	**Lynx- TE t**
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 4-pin	**Colour Temperature**	**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

Compact Fluorescent Lamps Non-Integrated

Brand cross reference

CFL Non-Integrated

	GE Lighting		Osram	Philips	Sylvania
	Biax™ 2D 2-pin	**ColourTemperature**		**PL-Q 2-pin**	**Lynx-Q (GR8 base) 2 pin**
16W	F162D/T4/827/2P GE HB 1/10 WM	2700	CFL Square 16W/827	PLQ 16W/827/2P	Lynx-Q 16W/827/2P
	F162D/T4/835/2P GE HB 1/10 WM	3500	CFL Square 16W/835	PLQ 16W/835/2P	Lynx-Q 16W/835/2P
	F162D/T4/860/2P GE HB 1/10 WM	6000	–	–	–
28W	F282D/T5/827/2P GE HB 1/10 WM	2700	CFL Square 28W/827	–	–
	Biax™ 2D 4-pin	**ColourTemperature**		**PL-Q 4-pin**	**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/T4/827/4P GE HB 1/10 WM	2700	CFL Square 16W/827	PLQ 16W/827/4P	Lynx-QE 16W/827/4P
	F162D/T4/835/4P GE HB 1/10 WM	3500	CFL Square 16W/835	PLQ 16W/835/4P	Lynx-QE 16W/835/4P
21W	F212D/T4/827/4P GE HB 1/10 WM	2700	–	–	–
	F212D/T4/835/4P GE HB 1/10 WM	3500	–	–	–
	F212D/T4/860/4P GE HB 1/10 WM	6000	–	–	–
28W	F282D/T5/827/4P GE HB 1/10 WM	2700	CFL Square 28W/827	PLQ 28W/827/4P	Lynx-QE 28W/827/4P
	F282D/T5/830/4P GE HB1/10 WM	3000	–	PLQ 28W/830/4P	––
	F282D/T5/835/4P GE HB 1/10 WM	3500	CFL Square 28W/835	PLQ 28W/835/4P	Lynx-QE 28W/835/4P
	F282D/T5/840/4P GE HB 1/10 WM	4000	–	PLQ 28W/840/4P	Lynx-QE 28W/840/4P
38W	F382D/T5/827/4P GE HB 1/10 WM	2700	CFL Square 38W/827	PLQ 38W/827/4P	Lynx-QE 38W/827/4P
	F382D/T5/835/4P GE HB 1/10 WM	3500	–	PLQ 38W/835/4P	Lynx-QE 38W/835/4P
	F382D/T5/860/4P LEG HB 1/10 WM	6000	–	–	–
55W	F552D/T5/827/4P A LEG HB 1/10	2700	–	–	–
	F552D/T5/830/4P A/T LEG HB 1/10	3000	–	–	–
	F552D/T5/835/4P A LEG HB 1/10	3500	–	–	–

Compact
Fluorescent Lamps
Integrated

CFL Integrated

Compact Fluorescent Lamps Integrated

High quality lighting with reduced energy bills

Compact Fluorescent Lamps (CFL) offer an attractive and versatile lighting solution with the added benefit of low energy consumption and a reduction in CO_2 emissions. CFLs also deliver a long rated life – up to 15 000 hours – resulting in a low total cost of ownership and reduced maintenance requirements compared with older technologies.

With a wide choice of sizes, shapes and caps, we offer an extremely versatile range of integrated Compact Fluorescent Lamps, one that combines impressive energy saving benefits with high quality lighting.

Integrated CFLs are suitable for a variety of applications – including the home, office, retail stores and hospitality – with outstanding light quality guaranteed throughout the life of the lamps.

Our ranges include products with colour temperatures from 2700 – 6500K, and are available in decor incandescent sizes and look-a-like shapes (e.g. Spiral T2, Stick T3), with both ES and BC caps.

LONG RATED LIFE FROM 6 000 TO 15 000 HOURS

UP TO 80% ENERGY SAVINGS

REDUCED CO_2 EMISSIONS VS. OLDER TECHNOLOGIES

These products offer an energy-saving alternative to incandescent bulbs across virtually all applications, with technological advances meaning they are now often even smaller than the lamps they replace.

- Long rated life from 6 000 to 15 000 hours
- Flicker free, instant on light with fast warm-up
- Environmentally friendly with low mercury content
- Special option – high switching cycles up to 100 000
- Up to 80% energy savings vs. traditional incandescent on our 'A' energy labeled products

CFL Integrated

Compact Fluorescent Lamps Integrated

Product overview

T3 Mini

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

T3 Mini Economy

Cap: E27, E14, B22
Wattages: 9 – 23W
Colours: 2700K
Rated life: 6 000 – 7 000 h

Stick

LongLast™ Spiral T2

Cap: E27, B22
Wattages: 8 – 23W
Colours: 2700 – 4000K
Rated life: 15 000 h

Spiral T2

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

Spiral T3

Cap: E27
Wattages: 11 – 20W
Colours: 2700 – 6500K
Rated life: 8 000 h

Spiral T4 High Power Factor (HPF)

Cap: E27
Wattages: 32W
Colours: 2700 – 6500K
Rated life: 10 000 h

Spiral

GLS T2/T3

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

Spherical T2

Cap: E27, E14, B22
Wattages: 5 – 7W
Colours: 2700 – 4000K
Rated life: 6 000 – 8 000 h

Candle T2/T3

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

Decor

Globe T3

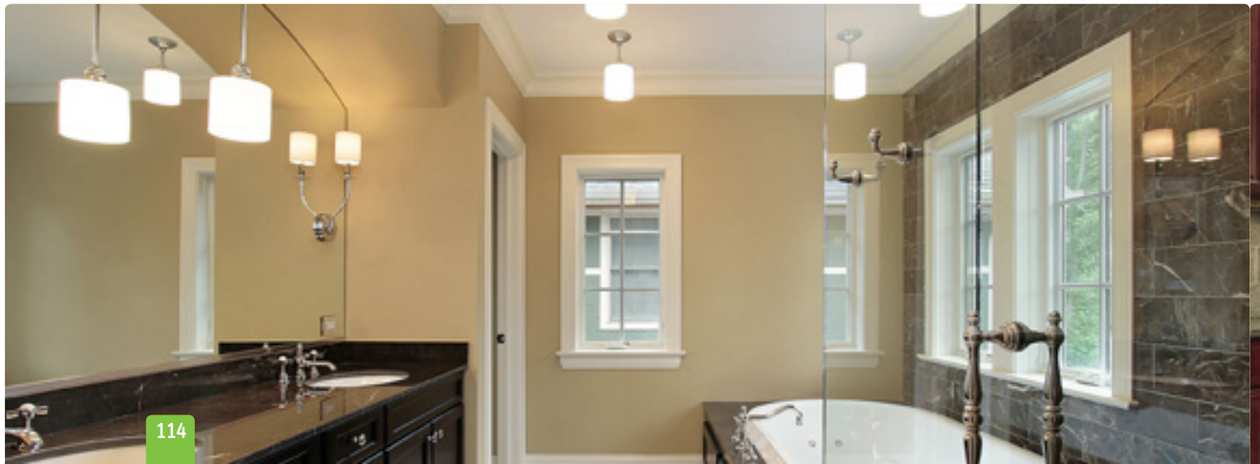
Cap: E27
Wattages: 20 – 23W
Colours: 2700 – 4000K
Rated life: 8 000 h

Globe

Genura

Cap: E27
Wattages: 23W
Colours: 2700 – 3000K
Rated life: 15 000 h

Reflector



Compact Fluorescent Lamps Integrated

Stick T3 Mini - 10 000 hours

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
1	9	220-240	B22	FLE9TBX/T3/827/B22	71100	470	2700	82	10 000	110	45	9	A	8
2	9	220-240	E27	FLE9TBX/T3/827/E27	71297	470	2700	82	10 000	111	45	9	A	8
3	9	220-240	E14	FLE9TBX/T3/827/E14	71298*	470	2700	82	10 000	120	45	9	A	8
2	9	220-240	E27	FLE9TBX/T3/840/E27	71299	470	4000	82	10 000	111	45	9	A	10
2	9	220-240	E27	FLE9TBX/T3/865/E27	71300*	450	6500	82	10 000	111	45	9	A	10
3	9	220-240	E14	FLE9TBX/T3/865/E14	71382*	450	6500	82	10 000	120	45	9	A	10
2	11	220-240	E27	FLE11TBX/T3/827/E27	71117	590	2700	82	10 000	123	45	11	A	8
1	11	220-240	B22	FLE11TBX/T3/827/B22	71118	590	2700	82	10 000	122	45	11	A	8
3	11	220-240	E14	FLE11TBX/T3/827/E14	71296	590	2700	82	10 000	132	45	11	A	8
2	11	220-240	E27	FLE11TBX/T3/840/E27	71500	590	4000	82	10 000	123	45	11	A	10
2	11	220-240	E27	FLE11TBX/T3/865/E27	71125	560	6500	82	10 000	123	45	11	A	8
3	11	220-240	E14	FLE11TBX/T3/865/E14	71501	560	6500	82	10 000	132	45	11	A	10
3	11	220-240	E14	FLE11TBX/T3/827/E14	89864*	590	2700	82	10 000	132	45	11	A	10
4	15	220-240	E27	FLE15TBX/T3/827/E27	89863*	850	2700	82	10 000	134	45	14	A	10
4	15	220-240	E27	FLE15TBX/T3/827/E27	71116	850	2700	82	10 000	134	45	14	A	8
4	15	220-240	E27	FLE15TBX/T3/840/E27	72375	850	4000	82	10 000	134	45	14	A	10
4	15	220-240	E27	FLE15TBX/T3/865/E27	72376	810	6500	82	10 000	134	45	15	A	10
5	20	220-240	E27	FLE20TBX/T3/827/E27	72379	1 185	2700	82	10 000	146	45	18	A	8
6	20	220-240	B22	FLE20TBX/T3/827/B22	72380	1 185	2700	82	10 000	145	45	18	A	8
5	20	220-240	E27	FLE20TBX/T3/840/E27	72381	1 155	4000	82	10 000	146	45	18	A	10
5	20	220-240	E27	FLE20TBX/T3/865/E27	72382	1 155	6500	82	10 000	146	45	18	A	10
7	23	220-240	B22	FLE23QBX/T3/827/B22	71119*	1 400	2700	82	10 000	152	51	22	A	8
8	23	220-240	E27	FLE23QBX/T3/827/E27	71124	1 400	2700	82	10 000	153	51	22	A	8
8	23	220-240	E27	FLE23QBX/T3/840/E27	72383	1 400	4000	82	10 000	153	51	22	A	8

Stick T3 Mini Economy - 7 000 hours

9	11	220-240	E27	FLE11DBX/T3/827/E27	75474*	600	2700	82	7 000	142	45	10	A	10
9	11	220-240	E27	FLE11DBX/T3/827/E27	14101*	600	2700	82	7 000	142	45	10	A	18
10	15	220-240	E27	FLE15TBX/T3/827/E27	71108	820	2700	82	7 000	136	45	14	A	10
11	20	220-240	E27	FLE20TBX/T3/827/E27	34133*	1 152	2700	82	7 000	154	45	19	A	18
10	20	220-240	E27	FLE20TBX/T3/827/E27	71115	1 152	2700	82	7 000	154	45	19	A	10

* Will be phased out

Product Description - explanation

For further information check the glossary

FLE 8 HLX / T2 / 827 / E14

FLE Identifies as Fluorescent Electronic (Screw-in lamp)

8 Identifies lamp 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)
SPH = Spherical
GG = Globe

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

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
8	220-240	E27	FLE8HLX/T2/827/E27	71126	470	2700	82	15 000	88	45	8	A	8	12
13	220-240	B22	FLE13HLX/T2/827/B22	75801*	750	2700	82	15 000	97.5	45	13	A	6	13
13	220-240	E27	FLE13HLX/T2/827/E27	75800	750	2700	82	15 000	98.5	45	13	A	6	14
15	220-240	E27	FLE15HLX/T2/827/E27	72390	950	2700	82	15 000	101.5	52	15	A	6	14
15	220-240	E27	FLE15HLX/T2/840/E27	71127*	950	4000	82	15 000	101.5	52	15	A	6	14
20	220-240	E27	FLE20HLX/T2/827/E27	72391	1 250	2700	82	15 000	110	56	20	A	6	14
23	220-240	E27	FLE23HLX/T2/827/E27	72392*	1 500	2700	82	15 000	117	56	22	A	6	14

Spiral T2 – 8 000 - 10 000 hours

8	220-240	E14	FLE8HLX/T2/827/E14	85637	470	2700	82	8 000	93	46	8	A	8	15
8	220-240	E27	FLE8HLX/T2/827/E27	85638	470	2700	82	8 000	90	46	8	A	10	16
8	220-240	E14	FLE8HLX/T2/865/E14	85633	430	6500	82	8 000	93	46	8	A	8	15
8	220-240	E27	FLE8HLX/T2/865/E27	85634	430	6500	82	8 000	90	46	8	A	8	16
12	220-240	E14	FLE12HLX/T2/827/E14	85639	715	2700	82	10 000	102	46	11	A	6	17
12	220-240	E27	FLE12HLX/T2/827/E27	85640	715	2700	82	10 000	100	46	11	A	6	18
12	220-240	B22	FLE12HLX/T2/827/B22	85641	715	2700	82	10 000	99	46	11	A	6	19
12	220-240	E27	FLE12HLX/T2/865/E27	85635	665	6500	82	10 000	100	46	11	A	10	18
12	220-240	E14	FLE12HLX/T2/865/E14	93010291	665	6500	82	10 000	102	46	12	A	10	17
15	220-240	E27	FLE15HLX/T2/865/E27	85636	900	6500	82	10 000	107	50	15	A	10	17
15	220-240	E27	FLE15HLX/T2/827/E27	85642	950	2700	82	10 000	107	50	15	A	10	17
15	220-240	B22	FLE15HLX/T2/827/B22	85643	950	2700	82	10 000	106	50	15	A	6	19
15	220-240	E27	FLE15HLX/T2/827/E27	34175*	950	2700	82	10 000	107	50	15	A	18	18
15	220-240	E27	FLE15HLX/T2/827/E27	89866*	950	2700	82	10 000	107	50	15	A	10	18
20	220-240	E27	FLE20HLX/T2/827/E27	85644	1 220	2700	82	10 000	108	55	19	A	6	18
20	220-240	B22	FLE20HLX/T2/827/B22	85645*	1 220	2700	82	10 000	107	55	19	A	10	19
20	220-240	E27	FLE20HLX/T2/840/E27	85646	1 200	4000	82	10 000	108	55	19	A	6	18
20	220-240	E27	FLE20HLX/T2/865/E27	85647	1 200	6500	82	10 000	108	55	19	A	6	18
20	220-240	E27	FLE20HLX/T2/827/E27	89868*	1 220	2700	82	10 000	108	55	19	A	10	18
23	220-240	E27	FLE23HLX/T2/827/E27	85648	1 450	2700	82	10 000	115	60	22	A	10	18
23	220-240	B22	FLE23HLX/T2/827/B22	85649	1 450	2700	82	10 000	114	60	22	A	10	19
23	220-240	E27	FLE23HLX/T2/840/E27	85650	1 380	4000	82	10 000	115	60	22	A	6	18
23	220-240	E27	FLE23HLX/T2/865/E27	85651	1 380	6500	82	10 000	115	60	23	A	6	18

* Will be phased out

Compact Fluorescent Lamps Integrated

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Spiral T3 – 8 000-10 000 hours														
1	11	220-240	E27	FLE11HLX/T3/827/E27	89746	580	2700	82	8 000	112	42	10	A	10
1	11	220-240	E27	FLE11HLX/T3/865/E27	89740*	560	6500	82	8 000	112	42	11	A	10
2	20	220-240	E27	FLE20HLX/T3/827/E27	89748*	1 200	2700	82	8 000	124	59	20	A	10
2	20	220-240	E27	FLE20HLX/T3/865/E27	89739*	1 152	6500	82	8 000	124	59	20	A	10
3	20	220-240	E27	FLE20HLX/T3/840/E27	93010063	1 200	4000	82	10 000	127	59	20	A	10
3	20	220-240	E27	FLE20HLX/T3/827/E27	93010066	1 200	2700	82	10 000	127	59	20	A	10
3	20	220-240	E27	FLE20HLX/T3/865/E27	93010074	1 152	6500	82	10 000	127	59	20	A	10
3	23	220-240	E27	FLE23HLX/T3/827/E27	93010064	1 450	2700	82	10 000	134	59	23	A	10
3	23	220-240	E27	FLE23HLX/T3/865/E27	93010073	1 380	6500	82	10 000	134	59	23	A	10
3	24	220-240	E27	FLE24HLX/T3/827/E27	89743*	1 700	2700	82	8 000	135	59	24.7	A	10
3	24	220-240	E27	FLE24HLX/T3/865/E27	89745*	1 650	6500	82	8 000	135	59	24.9	A	10
Spiral T4 High Power Factor (HPF) – 10 000 hours														
4	32	220-240	E27	FLE32HLX/T4/827E27/HPF	93010562	2 100	2700	82	10 000	171	66	32	A	6
GLS T2/T3 – 6 000 hours														
5	8	220-240	E14	FLE8GLS/T2/827/E14	88178*	370	2700	80	6 000	103.5	52.5	8	A	8
6	8	220-240	E27	FLE8GLS/T2/827/E27	88180*	370	2700	80	6 000	100	52.5	8	A	8
5	12	220-240	E14	FLE12GLS/T2/827/E14	88177*	625	2700	80	6 000	113.5	56	12	A	6
6	12	220-240	E27	FLE12GLS/T2/827/E27	88209*	625	2700	80	6 000	110	56	12	A	6
7	15	220-240	E27	FLE15GLS/T3/827/E27	88176*	830	2700	80	6 000	121	61	15	A	6
8	15	220-240	B22	FLE15GLS/T3/827/B22	88175*	830	2700	80	6 000	120	61	15	A	6
GLS T2/T3 – 8 000 hours														
9	12	220-240	E14	FLE12GLS/T2/827/E14	33925*	625	2700	82	8 000	110.5	55	12	A	6
6	12	220-240	E27	FLE12GLS/T2/827/E27	33927*	625	2700	82	8 000	107	55	12	A	6
8	12	220-240	B22	FLE12GLS/T2/827/B22	33926*	625	2700	82	8 000	106	55	12	A	6
10	15	220-240	E27	FLE15GLS/T3/827/E27	33772*	830	2700	82	8 000	118	60	15	A	6
6	15	220-240	B22	FLE15GLS/T3/827/B22	33769*	830	2700	82	8 000	117	60	15	A	6
6	20	220-240	E27	FLE20GLS/T3/827/E27	73273*	1 160	2700	82	8 000	145	65	19	A	6
Spherical T2 – 6 000 hours														
8	5	220-240	B22	FLE5SPH/T2/827/B22	88841*	200	2700	80	6 000	88	45	5	A	8
11	7	220-240	E14	FLE7SPH/T2/827/E14	88842*	310	2700	80	6 000	100	45	7	A	8
8	7	220-240	B22	FLE7SPH/T2/827/B22	88844*	310	2700	80	6 000	88	45	7	A	8

* Will be phased out

1 2 3 4 5 6 7 8 9 10 11

Compact Fluorescent Lamps Integrated

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Spherical T2 – 8 000 hours														
5	220-240	E14	FLE5SPH/T2/827/E14	33789*	220	2700	82	8 000	96	45	5	A	8	12
5	220-240	B22	FLE5SPH/T2/827/B22	33790*	220	2700	82	8 000	92	45	5	A	8	13
7	220-240	E14	FLE7SPH/T2/827/E14	33928*	320	2700	82	8 000	96	45	7	A	8	12
7	220-240	B22	FLE7SPH/T2/827/B22	33932*	320	2700	82	8 000	92	45	7	A	8	13
7	220-240	E27	FLE7SPH/T2/827/E27	33922*	320	2700	82	8 000	93	45	7	A	8	14
Candle T2/T3 – 6 000-8 000 hours														
7	220-240	E14	FLE7CDL/T2/827/E14	75677*	300	2700	80	6 000	108	37	7	A	8	15
7	220-240	B22	FLE7CDL/T2/827/B22	88856*	300	2700	80	6 000	104	37	7	A	10	16
7	220-240	E14	FLE7CDL/T2/840/E14	73451*	300	4000	80	6 000	108	37	7	A	10	15
11	220-240	E14	FLE11CDL/T3/827/E14	76198*	580	2700	80	6 000	141	50	11	A	6	17
7	220-240	E14	FLE7CDL/T2/827/E14	33924*	320	2700	82	8 000	105	37	7	A	8	15
7	220-240	E27	FLE7CDL/T2/827/E27	33919*	320	2700	82	8 000	103	37	7	A	8	18
7	220-240	B22	FLE7CDL/T2/827/B22	33941*	320	2700	82	8 000	102	37	7	A	10	16
7	220-240	E14	FLE7CDL/T2/840/E14	33911*	320	4000	82	8 000	105	37	7	A	10	19
7	220-240	E14	FLE7CDL/T2/827/E14	33939*	320	2700	82	8 000	105	37	7	A	10	19
9	220-240	E14	FLE9CDL/T2/827/E14	34177*	405	2700	82	8 000	113	37	9	A	18	19
9	220-240	E14	FLE9CDL/T2/827/E14	33757*	405	2700	82	8 000	113	37	9	A	8	19
9	220-240	E14	FLE9CDL/T2/827/E14	63623*	405	2700	82	8 000	113	37	9	A	8	21
9	220-240	E27	FLE9CDL/T2/827/E27	33763*	405	2700	82	8 000	110.5	37	9	A	8	15
9	220-240	E27	FLE9CDL/T2/827/E27	63624*	405	2700	82	8 000	110.5	37	9	A	8	21
9	220-240	B15	FLE9CDL/T2/827/B15	33767*	405	2700	82	8 000	111.5	37	9	A	8	20
9	220-240	B22	FLE9CDL/T2/827/B22	33765*	405	2700	82	8 000	109.5	37	9	A	8	16
Globe T3 – 8 000 hours														
15	220-240	E27	FLE15GG/827/E27	96776*	805	2700	80	8 000	156	95	15	A	6	22
20	220-240	E27	FLE20GG/827/E27	73274*	1 160	2700	82	8 000	145	89	19	A	6	22
20	220-240	E27	FLE20GG/840/E27	96794*	1 152	2700	80	8 000	171	105	20	A	6	23
20	220-240	E27	FLE20GG/827/E27	96780*	1 152	2700	80	8 000	145	89	19	A	6	22
23	220-240	E27	FLE23GG/827/E27	73413*	1 371	2700	82	8 000	150	100	21	A	6	22

* Will be phased out

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Candela (Cd)	Beam Angle (°)	CRI (Ra)	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Reflector Genura R80 – 15 000 hours																
23	220-240	E27	EFL23W/827/R80/E27	82174*	580	2700	270	100	80	15 000	130	83	22.50	B	6	24
23	220-240	E27	EFL23W/830/R80/E27	92246*	580	2700	270	100	80	15 000	130	83	22.50	B	6	24

* Will be phased out

12 13 14 15 16 17 18 19 20 21 22 23 24

CFL Integrated

Halogen Lamps

Halogen

Halogen Lamps

The smart choice for instant bright white light

Our Halogen Lamp family encompasses a wide selection of low/mains voltage reflectors, capsule, linear and tubular lamps, plus a range of retrofit decor products offering a direct replacement for traditional Incandescent Lamps – all delivering optimal colour rendering.

- Up to 30% energy savings vs. conventional lamps
- Instant on, full light output at start-up
- Crisp white light, CCT up to 3000K
- 100% dimmable for additional cost savings
- Outstanding colour rendering, close to natural light (100%CRI)
- Environmentally friendly with no mercury or lead

100% DIMMABLE FOR ADDITIONAL COST SAVINGS

UP TO 30% ENERGY SAVINGS VS. CONVENTIONAL LAMPS

OUTSTANDING COLOUR RENDERING, CLOSE TO NATURAL LIGHT (100%CRI)

MR16 ranges

Our MR16 Halogen Reflector Lamps feature special technologies – including patented GE reflector coating and multiple layers of a very durable, thin interference film – to deliver more light for the same power input and outstanding colour rendering throughout a working rated life of up to 6 000 hours.

Decor HaloGLS

Our Decor range is available in a choice of styles (GLS, candle, spherical, reflector) and bases to enable immediate retrofit replacement of traditional lamps and deliver the immediate benefits of instant-on, crisp white light plus full compatibility with dimming switches.

From 1 September 2016 a new European Ecodesign regulation will enter into force, which will phase out all mains voltage halogen reflectors and also part of the low voltage reflectors. After this date only the high performing low voltage Halogen Reflector Lamps can be placed on the EU market.

You can find various LED lamp alternatives for all the impacted halogen reflector types.

Halogen Lamps

Product overview

MR11

Cap: GU4
Wattages: 12 – 35W
Volts: 12V
Rated life: 2 000 – 3 500 h

Precise™ ConstantColor™ MR16 IR

Cap: GU5.3
Wattages: 20 – 45W
Volts: 12V
Rated life: 5 000 h

Precise™ MR16 IR

Cap: GU5.3
Wattages: 20 – 35W
Volts: 12V
Rated life: 5 000 h

Precise™ ConstantColor™ MR16

Cap: GU5.3
Wattages: 20 – 71W
Volts: 12V
Rated life: 4 000 – 6 000 h

Precise™ Bright 5000 MR16

Cap: GU5.3
Wattages: 20 – 50W
Volts: 12V
Beam Spread: 18 – 60°
Rated life: 5 000 h

MR16 Start

Cap: GU5.3
Wattages: 20 – 50W
Volts: 12V
Rated life: 2 000 h

AR111 Aluminium Reflector

Cap: G53
Wattages: 35 – 75W
Volts: 12V
Rated life: 2 000 – 3 000 h

Low Voltage Reflectors

MR16 Mains Alu-tech™

Cap: GU10
Wattages: 20 – 50W
Volts: 230, 240V
Rated life: 2 000 h

MR16 Mains Alu-tech™ - Coloured

Cap: GU10
Wattages: 50W
Volts: 240V
Rated life: 1 500 h

PAR Reflector 16, 20, 25, 30

Cap: E27
Wattages: 50 – 100W
Volts: 230, 240V
Rated life: 2 000 – 3 000 h

Mains Voltage Reflectors

Mains Voltage Capsule G9

Cap: G9
Wattages: 20 – 42W
Volts: 230, 240V
Rated life: 1 000 – 2 000 h

Low voltage capsule – Transversal Filament

Cap: G4 or GY6.35
Wattages: 5 – 100W
Volts: 6, 12, 24V
Rated life: 100 – 4 000 h

Low voltage capsule – Axial Filament

Cap: G4 or GY6.35
Wattages: 10 – 100W
Volts: 6, 12V
Rated life: 2 000 – 4 000 h

Capsules

Linear 117 mm

Cap: R7s
Wattages: 130 – 330W
Volts: 230, 240V
Rated life: 2 000 h

Linear 78 mm

Cap: R7s
Wattages: 100W
Volts: 230, 240V
Rated life: 2 000 h

Linear - High Watt

Cap: R7s
Wattages: 1000 – 2000W
Volts: 230, 240V
Rated life: 2 000 h

Linear

GLS

Cap: E27, B22
Wattages: 20 – 100W
Volts: 230, 240V
Rated life: 2 000 h

Candle

Cap: E14, E27, B15, B22
Wattages: 20 – 42W
Volts: 230, 240V
Rated life: 2 000 h

Spherical

Cap: E14, B15, E27, B22
Wattages: 20 – 42W
Volts: 230, 240V
Rated life: 2 000 h

Reflector

Cap: E14, E27
Wattages: 28 – 70W
Rated life: 2 000 h

Decor

Tubular T38

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

Tubular

Halogen

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Candela (cd)	Beam Angle (°)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Open/Closed
MR11																
1	20	12	GU4	M251/FTC/CG	93010671	205	840	20	2800	4 000	35.3	40	21.4	C	10	closed
1	20	12	GU4	M262/FTD/CG	93010622	170	490	26	2800	4 000	35.3	40	21.6	B	10	closed
1	20	12	GU4	FTD/M262/CG	17200	205	490	26	2900	2 000	35.3	40	21.2	C	10	closed
1	35	12	GU4	M266/FTF/CG	19627*	430	2 070	21	2900	3 500	35.3	45	38.4	C	10	closed
1	35	12	GU4	M266/FTF/CG	93010615	430	2 070	20	2900	4 000	35.3	40	38.1	B	10	closed
1	35	12	GU4	FTF/M199/CG	17201*	315	1 150	26	2900	2 000	35.3	40	37.1	D	10	closed
Precise™ ConstantColor™ MR16 IR																
2	20	12	GU5.3	Q20MR16HIR/CCG36 CE	99638*	300	1 000	36	2900	5 000	50	46	22.9	B	10	closed
2	45	12	GU5.3	Q45MR16HIR/CCG36 CE	99641*	860	2 300	36	3000	5 000	50	46	50.3	B	10	closed
Precise™ MR16 IR																
3	20	12	GU5.3	MR16 IR 20W 12V FL	77657*	270	1 000	36	2900	5 000	50	50,5	22.5	B	10	closed

* Will be phased out

Product Description - explanation
For further information check the glossary

M62 / FTD / CG / A / FL

Class M
Numerical index, industry code specifying lamp type

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

CG - Closed design

A - A-line (GLS shape)
C - Candle Shape
S - Spherical Shape

FL - Flood Beam Angle
SP - Spot Beam Angle

1 2 3

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Candela (cd)	Beam Angle (°)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Open/Closed
Precise™ ConstantColor™ MR16																
4	20	12	GU5.3	BAB/CG 12V CE	99630*	220	475	40	2900	5 000	50	46	20.3	B	10	closed
4	35	12	GU5.3	FMW/CG 12V CE	99631*	450	1 000	40	3000	5 000	50	46	38.1	B	10	closed
4	50	12	GU5.3	FNV/CG 12V CE	99632*	720	850	55	3050	6 000	50	46	54.5	B	10	closed
4	50	12	GU5.3	EXN/CG 12V CE	99633*	760	1 500	40	3050	6 000	50	46	54.3	B	10	closed
4	50	12	GU5.3	EXZ/CG 12V CE	99634*	720	2 900	25	3050	6 000	50	46	54.3	B	10	closed
4	71	12	GU5.3	EYC/CG 12V CE	99636*	1 050	2 000	42	3050	4 000	50	46	76.9	C	10	closed

* Will be phased out

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Candela (cd)	Beam Angle (°)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Open/Closed
Precise™ Bright 5000 MR16																
5	20	12	GU5.3	M69/BAB	88231	210	480	36	2900	5 000	50.7	46	20.9	B	10	open
6	20	12	GU5.3	M269/BAB/CG	88235	205	450	36	2900	5 000	50.7	50.5	20.9	C	10	closed
5	35	12	GU5.3	M81/FMW	88229	450	1 390	36	2900	5 000	50.7	46	37.3	B	10	open
6	35	12	GU5.3	M281/FMW/FL/CG	93031671	370	1 300	36	2900	5 000	50,7	46	35.0	C	10	closed
5	50	12	GU5.3	M58/EXN	88234	720	2 250	36	2900	5 000	50.7	46	53.9	B	10	open
6	50	12	GU5.3	M250/EXZ/CG	88237	675	4 750	18	2900	5 000	50.7	50.5	53.9	C	10	closed
6	50	12	GU5.3	M258/EXN/CG	88239	680	2 100	36	2900	5 000	50.7	50.5	53.9	C	10	closed
6	50	12	GU5.3	M280/FNV/CG	88238	750	950	60	2900	5 000	50.7	50.5	53.9	B	10	closed
5	50	12	GU5.3	M80/FNV	88232	770	1 070	60	2900	5 000	50.7	46	53.9	B	10	open
MR16 Start																
7	20	12	GU5.3	M268/ESX/CG/EC	38012	210	3 150	12	2900	2 000	50	46	21.5	B	20	closed
7	20	12	GU5.3	M269/BAB/CG/EC	38006	205	450	36	2900	2 000	50	46	21.2	B	20	closed
8	20	12	GU5.3	M69/BAB/EC	38000	225	500	36	2800	2 000	50	46	21.1	B	20	open
8	35	12	GU5.3	M81/FMW/EC	38001	430	925	36	2900	2 000	50	46	37.2	C	20	open
7	35	12	GU5.3	M281/FMW/CG/EC	38007	430	830	36	2900	2 000	50	46	37.1	C	20	closed
7	50	12	GU5.3	M249/EXT/CG/EC	38014	675	8 550	12	2900	2 000	50	46	55.7	C	20	closed
7	50	12	GU5.3	M250/EXZ/CG/EC	39611	680	2 700	24	2900	2 000	50	46	54.3	C	20	closed
7	50	12	GU5.3	M258/EXN/CG/EC	38011	680	1 350	36	2900	2 000	50	46	53.8	C	20	closed
8	50	12	GU5.3	M58/EXN/EC	38002	680	1 500	36	2900	2 000	50	46	53.7	C	20	open
7	50	12	GU5.3	M280/FNV/CG/EC	39236	680	630	55	2900	2 000	50	46	52	C	20	closed
7	50	12	GU5.3	M258/EXN/CG	40039	680	N/A	36	2900	2 000	50	46	53.8	C	96	closed
9	50	12	GU5.3	M258/EXN/EC	97962	680	N/A	36	N/A	2 000	50	46	53.8	C	10	closed

4 5 6 7 8 9

AR111 - Aluminium Reflector

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Candela (cd)	Beam Angle (°)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
1	50	12	G53	AR111 50W12V FL	10767	510	3 500	24	2900	3 000	111	67	52.4	D	10
2	50	12	GU5.3	M258/EXN/CG/AL	88215	680	1 800	36	2900	2 000	50	46	55.2	C	10

MR16 Mains Alutech™

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Candela (cd)	Beam Angle (°)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
3	20	230	GU10	Q20MR16/230/FL	10898	90	200	36	2700	2 000	51	55	20.6	D	10
3	35	230	GU10	Q35MR16/230/FL	10896	200	400	36	2700	2 000	51	55	35.6	D	10
3	50	230	GU10	Q50MR16/230/FL	92729	340	600	36	2700	2 000	51	55	50.8	D	10
4	50	120	GU10	Q50MR16/CD/120/FL	67679	320	N/A	36	2800	2 000	50	55	53	D	5
3	20	240	GU10	Q20MR16/240/FL	10859	90	200	36	2700	2 000	51	55	20.8	D	10
3	35	240	GU10	Q35MR16/240/FL	10857	200	400	36	2700	2 000	51	55	36.3	D	10
3	50	240	GU10	Q50MR16/240/FL	92730	340	600	36	2700	2 000	51	55	51.2	D	10

MR16 Mains Alutech™ – Coloured

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Colour	Candela (cd)	Beam Angle (°)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
3	50	240	GU10	Q50MR16/240/FL	12995*	Blue	600	36	2700	1 500	51	55	51.2	D	10
3	50	240	GU10	Q50MR16/240/FL	13003*	Yellow	600	36	2700	1 500	51	55	51.2	D	10

* Will be phased out

PAR Reflector

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Candela (cd)	Beam Angle (°)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
5	50	240	E27	50PAR20/240/FL	40365	350	1 000	25	2800	2 000	64.5	91	50.3	D	15
5	75	240	E27	75PAR25/240/FL	92165*	670	1 300	25	2800	3 000	81	108	76	D	15
6	75	230	E27	75PAR30/230/FL	40349*	650	2 000	30	2800	2 000	97	90.5	74.3	D	15
6	75	240	E27	75PAR30/240/SP	40367	650	6 200	10	2800	2 000	97	90.5	75.5	D	15
6	75	240	E27	75PAR30/240/FL	40361	650	2 000	30	2800	2 000	97	90.5	75.2	D	15
6	100	240	E27	100PAR30/240/FL	32482*	980	3 100	30	2800	3 000	97	90.5	100.7	D	15

* Will be phased out

1 2 3 4 5 6

Mains Voltage Capsule G9

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
20	230	G9	SHORTG9 20W CL 230V	98415	235	2800	1 000	13	43	21.4	D	10	7
20	240	G9	SHORTG9 20W CL 240V	98441	235	2800	1 000	13	43	21.2	D	10	7
33	240	G9	SHORTG9 33W CL 240V	97278*	460	2800	2 000	13	43	34	D	10	7
33	230	G9	SHORTG9 33W CL 230V	97279	460	2800	2 000	13	43	34	D	10	7
42	230	G9	SHORTG9 42W CL 230V	64126	630	2800	2 000	13	43	43	D	10	7

* Will be phased out

Low Voltage Capsule - Transversal Filament

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
10	6	G4	M29/Q10 G4**	34720*	180	2800	100	9	33	11.2	B	20	8
10	6	G4	M29/Q10 G4**	93010694	180	3000	100	8	33	11.2	B	20	8
5	12	G4	M9/H5 G4	42959	60	2800	2 000	9	33	5.4	B	20	8
10	12	G4	M11/H10 G4	34674	140	2800	2 000	9	33	10.8	C	20	8
20	12	G4	M35/Q20 G4	93010624	400	3200	250	9	33	20.9	B	20	8
20	12	G4	M47/Q20 G4	34715*	380	2900	2 000	9	33	22.7	C	20	8
35	12	GY6.35	M95/Q35/GY6.35	34708	550	2900	3 000	11	44	38.1	C	20	8
50	12	GY6.35	M32/Q50 GY6.35	34702	930	2900	4 000	11	44	55.9	C	20	8
75	12	GY6.35	M313/Q75/GY6.35	34682	1 350	2900	2 000	11	44	85.6	D	20	8
100	12	GY6.35	M28/Q100 GY6.35	34676	2 200	2900	3 000	11	44	110.4	C	20	8
100	24	GY6.35	M67/Q100 GY6.35 24V	34663	2 000	2900	2 000	11	44	104.7	D	20	8

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)	Energy Consumption (kWh)	EEC	Pack Qty	Model
10	12	G4	Q10T2,5/12V G4	93010695	120	2800	2 000	9	33	22.6	B	20	9
20	12	G4	M47/Q20 G4	93010692	380	2900	2 000	9	33	22.7	C	20	9
20	12	GY6.35	M76/Q20/GY6.35	34712	300	2900	3 000	11	44	22.8	C	20	9
20	12	G4	Q20T2,5/12V G4	93010683	320	2900	2 000	9	33	5.4	B	20	9
20	12	GY6.35	Q20T3/12V GY6.35	35696	300	2900	2 000	11	44	10.8	C	20	9
35	12	GY6.35	M75/Q35/GY6.35	34710	600	2900	4 000	11	44	22.1	B	20	9
35	12	GY6.35	Q35T3/12V GY6.35	35699	600	2900	2 000	11	44	22.7	C	20	9
50	12	GY6.35	M74/Q50/GY6.35	34703	900	2900	4 000	11	44	38.1	C	20	9
50	12	GY6.35	Q50T3/12V GY6.35	35700	900	2900	2 000	11	44	55.9	C	20	9
75	12	GY6.35	M73/Q75/GY6.35	34683	1 350	2900	4 000	11	44	110.4	C	20	9
100	12	GY6.35	M180/Q100/GY6.35	34664	2 150	2900	4 000	11	44	104.7	D	20	9

* Will be phased out

** Projector lamp

7 8 9

Linear 78mm

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
1	100	230	R7s	K12 C100W 230V R7S 78MM	63519	1 800	2900	1 000	8	80.1	104.2	D	10
1	100	240	R7s	K12 C100W 240V R7S 78MM	76530* / 63525	1 800	2900	1 000	8	80.1	104.3	D	10

Linear 117mm

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
1	330	230	R7s	K1 C330W 230V R7S 117MM	64967	7 000	3000	2 000	10	119	349.5	D	10
1	200	230	R7s	K9 C200W 230V R7S 117MM	64968	4 000	3000	2 000	8	119	210.6	D	10
1	330	240	R7s	K1 C330W 240V R7S 117MM	64970	7 000	3000	2 000	8	119	351.1	D	10
1	200	240	R7s	K9 C200W 240V R7S 117MM	64971	4 000	3000	2 000	8	119	212.7	D	10
1	130	230	R7s	K11 C130W 230V R7S 117MM	64973	2 440	2900	2 000	8.8	119	136.6	D	10
1	130	240	R7s	K11 C130W 240V R7S 117MM	64974	2 440	2900	2 000	8.8	119	138	D	10

* Will be phased out

Linear - High Watt

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
2	1000	230	R7s	K4 1000W 230V R7S 189MM BX	29180	21 000	3000	2 000	10	190.5	1008	D	10
2	1000	240	R7s	K4 1000W 240V R7S 189MM BX	29181	21 000	3000	2 000	10	190.5	1018.9	D	10
3	1000	230	R7s	K10 1000W 230V R7S 254MM BX	43711	21 000	3000	2 000	6	254	980.1	D	6
3	1000	240	R7s	K10 1000W 240V R7S 254MM BX	43712	21 000	3000	2 000	6	189	1050	D	6
2	1500	230	R7s	K5 1500W 230V R7S 254MM BX	29184	32 000	3000	2 000	10	255.5	1539.4	D	10
2	1500	240	R7s	K5 1500W 240V R7S 254MM BX	29187	32 000	3000	2 000	10	255.5	1504.1	D	10
2	2000	230	R7s	K8 2000W 230V R7S 331MM BX	30886	44 000	3000	2 000	10	332.2	1996.1	D	10

HaloGLS

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
4	30	240	B22	30W HALO A CL B22 240V	98361	405	2800	2 000	50	89.5	31.6	D	8
5	30	230	E27	30W HALO A CL E27 230V	98362	405	2800	2 000	50	89.5	31.7	D	10
5	30	240	E27	30W HALO A CL E27 240V	98406	405	2800	2 000	50	89.5	31.6	D	8
4	42	240	B22	42W HALO A CL B22 240V	62575	630	2800	2 000	50	89.5	43.7	D	8
5	42	230	E27	42W HALO A CL E27 230V	63613	630	2800	2 000	50	89.5	43.1	D	10
5	42	240	E27	42W HALO A CL E27 240V	79422	630	2800	2 000	50	89.5	43.7	D	8
4	42	230	B22	42W HALO A CL B22 230V	63615	630	2800	2 000	50	89.5	43.1	D	10
4	53	240	B22	53W HALO A CL B22 240V	64993	850	2900	2 000	50	89.5	56.4	D	8
5	53	230	E27	53W HALO A CL E27 230V	63959	850	2900	2 000	50	89.5	55	D	10
5	53	240	E27	53W HALO A CL E27 240V	63961	850	2900	2 000	50	89.5	56.4	D	8

HaloGLS

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
70	240	B22	70W HALO A CL B22 240V	62576	1 200	2900	2 000	50	89.5	73.4	D	8	6
70	230	E27	70W HALO A CL E27 230V	63612	1 200	2900	2 000	50	89.5	72.5	D	10	7
70	240	E27	70W HALO A CL E27 240V	79423	1 200	2900	2 000	50	89.5	73.4	D	8	7
70	230	B22	70W HALO A CL B22 230V	99934	1 200	2800	2 000	50	89.5	72.5	D	10	6
100	230	E27	100W HALO A CL E27 230V	97246	1 800	2900	2 000	50	89.5	102.6	D	10	7
100	240	E27	100W HALO A CL E27 240V	97243	1 800	2900	2 000	50	89.5	102.1	D	8	7
100	240	B22	100W HALO A CL B22 240V	97244	1 800	2900	2 000	50	89.5	102.1	D	8	6
100	230	B22	100W HALO A CL B22 230V	97247	1 800	2800	2 000	50	89.5	102.6	D	10	6

HaloCandle

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
20	230	E14	20W HALO C CL E14 230V	98402	235	2900	2 000	36	100	21.5	D	10	8
30	230	E14	30W HALO C CL E14 230V	98398	405	2900	2 000	36	100	31.7	D	10	8
42	230	E14	42W HALO C CL E14 230V	76575	630	2900	2 000	36	100	43.1	D	10	8
30	230	E27	30W HALO C CL E27 230V	98396	405	2900	2 000	36	100	31.7	D	10	9
42	230	E27	42W HALO C CL E27 230V	76573	630	2900	2 000	36	100	43.1	D	10	9
20	240	E14	20W HALO C CL E14 240V	98399	235	2900	2 000	36	100	21.2	D	12	8
30	240	E14	30W HALO C CL E14 240V	98392	405	2900	2 000	36	100	31.6	D	12	8
42	240	E14	42W HALO C CL E14 240V	76569	630	2900	2 000	36	100	43.7	D	12	8
30	240	E27	30W HALO C CL E27 240V	98391	405	2900	2 000	36	100	31.6	D	12	9
42	240	E27	42W HALO C CL E27 240V	76568	630	2900	2 000	36	100	43.7	D	12	9
30	240	B15	30W HALO C CL B15 240V	98394	405	2900	2 000	36	100	31.6	D	12	10
42	240	B15	42W HALO C CL B15 240V	76571	630	2900	2 000	36	100	43.7	D	12	10
20	240	B22	20W HALO C CL B22 240V	98400	235	2900	2 000	36	100	21.2	D	12	11
30	240	B22	30W HALO C CL B22 240V	98393	405	2900	2 000	36	100	31.6	D	12	11
42	240	B22	42W HALO C CL B22 240V	76570	630	2900	2 000	36	100	43.7	D	12	10

HaloSpherical

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
20	230	E14	20W HALO S CL E14 230V	98390	235	2900	2 000	45	78	21.5	D	10	12
30	230	E14	30W HALO S CL E14 230V	98384	405	2900	2 000	45	78	31.7	D	10	12
42	230	E14	42W HALO S CL E14 230V	76553	630	2900	2 000	45	78	43.1	D	10	12
20	230	E27	20W HALO S CL E27 230V	98388	235	2900	2 000	45	78	21.5	D	10	13
30	230	E27	30W HALO S CL E27 230V	98382	405	2900	2 000	45	78	31.7	D	10	13
42	230	E27	42W HALO S CL E27 230V	76551	630	2900	2 000	45	78	43.1	D	10	13
20	240	E14	20W HALO S CL E14 240V	98385	235	2900	2 000	45	78	21.2	D	12	12
30	240	E14	30W HALO S CL E14 240V	98378	405	2900	2 000	45	78	31.6	D	12	12

Halogen Lamps

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
HaloSpherical													
1	42	240	E14	42W HALOS CL E14 240V	76548	630	2900	2 000	45	78	43.7	D	12
2	30	240	E27	30W HALO S CL E27 240V	98377	405	2900	2 000	45	78	31.6	D	12
2	42	240	E27	42W HALOS CL E27 240V	76547	630	2900	2 000	45	78	43.7	D	12
3	30	240	B15	30W HALO S CL B15 240V	98380	405	2900	2 000	45	78	31.6	D	12
4	20	240	B22	20W HALO S CL B22 240V	98386	235	2900	2 000	45	78	21.2	D	12
4	30	240	B22	30W HALO S CL B22 240V	98379	405	2900	2 000	45	78	31.6	D	12
4	42	240	B22	42W HALOS CL B22 240V	76549	630	2900	2 000	45	78	43.7	D	12

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Candela (cd)	Beam Angle (°)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
HaloReflector															
5	28	240	E14	28W HALO R50 E14 240V	76544*	155	220	35	2900	2 000	50	86	28.87	E	8
5	30	240	E14	30W HALO R50 E14 240V	14357	155	220	25	2900	2 000	50	86	31.13	D	8
5	30	230	E14	30W HALO R50 E14 230V	14352	155	220	25	2900	2 000	50	86	30.79	D	10
5	42	240	E27	42W HALO R63 E27 240V	95116	280	530	30	2900	2 000	63.5	101	43.51	D	6
5	42	230	E27	42W HALO R63 E27 230V	95121	280	530	30	2900	2 000	63.5	101	44.54	D	10
6	42	230	E27	42W HALO R80 E27 230V	95119	285	650	30	2900	2 000	80	121	43.13	D	10
6	70	230	E27	70W HALO R80 E27 230V	60456	500	1 125	30	2900	2 000	80	121	73.9	D	10
6	70	240	E27	70W HALO R80/E27 240V	60460	500	1 125	30	2800	2 000	80	116	73.94	D	10
6	42	240	E27	42W HALO R80 E27 240V	95117	285	230	80	2900	2 000	80	121	44.2	D	6

* Will be phased out

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Tubular T38													
7	1000	230	E40	Halo T38/1000W/E40/230	32108	21 000	2900	2 000	38	280	1008.89	D	10
7	1000	240	E40	Halo T38/1000W/E40/240	32109	21 000	2900	2 000	38	280	1018.43	D	10

Incandescent Lamps

Incandescent

Incandescent Lamps

Specialised Lamps for special applications

Our company was born out of Thomas Edison's invention of the world's first commercially viable light bulb

More than a century later, our lighting business still brings light to the world, helping to advance new technologies that operate with greater efficiency, less cost and less environmental impact than ever before. We invented Incandescent technology and we know how to replace it.

Recent years have seen the gradual phasing out of the use of Incandescent Lamps across most applications as new technologies have superseded them. Across the EMEA region, this has been driven by legislation based on the EU Ecodesign Directive, legislation that covers all energy using products sold in the domestic, commercial and industrial sectors.

The recent amendment of these Ecodesign requirements allows exemption for a limited number of Incandescent Lamp types:

- Pygmy for oven, freezer and sewing machine
- Infrared reflector
- Low Voltage GLS
- Coloured decorative lamps

FOR SPECIAL ENVIRONMENTS

FOR INFRARED APPLICATIONS

COLOURED LAMPS

As a member of ELC (European Lamp Companies Federation), we are fully committed to this regulation and to offering a complete range of new, energy efficient products to replace old Incandescent lamps.

Incandescent Lamps

Product overview

Standard

Cap: E27, B22 or E40
Wattages: 25 – 300W
Finish: Clear or Frosted
Rated life: 1 000 h

Low Volt

Cap: E27
Wattages: 25 – 100W
Voltage: 24V
Finish: Clear or Frosted
Rated life: 1 000 h

GLS

Standard

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

Coloured

Cap: E14, E27
Wattages: 15W
Finish: 5 colours
Rated life: 1 000 h

Oven

Cap: E14 or E27
Wattages: 25, 40W
Finish: Clear
Rated life: 300 h

Spherical

Standard

Cap: E14, E27
Wattages: 25 – 60W
Finish: Opal, Frosted or Clear
Rated life: 1 000 h

Twisted

Cap: E14
Wattages: 25 – 60W
Finish: Clear or Frosted
Rated life: 1 000 h

Candle

R39

Cap: E14
Wattages: 25 – 30W
Rated life: 1 000 h

R50

Cap: E14
Wattages: 25 – 60W
Rated life: 1 000 h

R63

Cap: E27
Wattages: 30 – 60W
Rated life: 1 000 h

R80

Cap: E27, B22
Wattages: 40 – 100W
Rated life: 1 000 h

R95

Cap: E27
Wattages: 100 – 150W
Rated life: 1 000 h

Coloured R50, R63, R80

Cap: E27, E14
Wattages: 40 – 60W
Rated life: 1 000 h

Reflector

Infrared Hard Glass

Cap: E27
Wattages: 100 – 275W
Finish: Clear, Red or Satin
Rated life: 5 000 h

Infrared Reflector

Standard and Appliance

Cap: E14
Wattages: 15 – 25W
Finish: Clear
Rated life: 1 000 h

Pygmy

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Standard GLS – Clear												
1	25	240	E27	25A1/CL/E27	19944*	225	1 000	50	88.5	25	E	1/10/120
1	40	240	E27	40A1/CL/E27	19946*	410	1 000	50	88.5	40	E	1/10/120
1	60	240	E27	60A1/CL/E27	19947*	700	1 000	50	88.5	60	E	1/10/120
1	75	240	E27	75A1/CL/E27	19948*	930	1 000	50	88.5	75	E	1/10/120
1	100	240	E27	100A1/CL/E27	19949*	1 330	1 000	50	88.5	100	E	1/10/120
1	150	230	E27	150A65/CL/E27	22566*	2 160	1 000	65	123	150	E	1/20
1	200	230	E27	200A1/CL/E27	91127*	3 040	1 000	80	142	200	E	1/20
1	300	230-240	E27	300A1/CL/E27	91226*	4 850	1 000	90	168	300	E	1/20
1	300	230-240	E40	300A1/CL/E40	91724*	4 850	1 000	90	180	300	E	1/20
1	40	240	B22	40A1/CL/B22	19958*	410	1 000	50	88.5	40	E	1/10/120
1	60	240	B22	60A1/CL/B22	19962*	700	1 000	50	88.5	60	E	1/10/120
1	75	240	B22	75A1/CL/B22	19965*	930	1 000	50	88.5	75	E	1/10/120
1	100	240	B22	100A1/CL/B22	19967*	1 330	1 000	50	88.5	100	E	1/10/120
Standard GLS – Frosted												
2	40	240	E27	40A1/F/E27	19952*	410	1 000	50	88.5	40	E	1/10/120
2	60	240	E27	60A1/F/E27	19954*	700	1 000	50	88.5	60	E	1/10/120
2	100	240	E27	100A1/F/E27	19956*	1 330	1 000	50	88.5	100	E	1/10/120
2	60	230	B22	60A1/F/B22	21663*	710	1 000	50	88.5	60	E	1/10/60
Low Volt GLS – Clear												
1	25	24	E27	25A1/CL/E27 24V	35178	320	1 000	60	104.5	25.5	D	1/10/100
1	40	24	E27	40A1/CL/E27 24V	91876	580	1 000	60	104.5	44.5	D	1/10/100
1	60	24	E27	60A1/CL/E27 24V	91877	930	1 000	60	104.5	64	D	1/10/100
1	100	24	E27	100A1/CL/E27 24V	35174	1 740	1 000	60	104.5	107.4	D	1/10/100
Low Volt GLS – Frosted												
2	60	24	E27	60A1/F/E27 24V	91875	930	1 000	60	104.5	64.1	D	1/10/100
2	100	24	E27	100A1/F/E27 24V	91873	1 740	1 000	60	104.5	106.7	D	1/10/100
Spherical – Clear												
3	25	240	E14	25D1/CL/E14	19775*	210	1 000	45	74	25	E	1/10/100
3	40	240	E14	40D1/CL/E14	19782*	400	1 000	45	74	40	E	1/10/100
3	60	240	E14	60D1/CL/E14	19784*	660	1 000	45	74	60	E	1/10/100
3	15	230	E27	15D1/CL/E27	91917*	100	1 000	45	69.5	15	E	1/10/50
3	25	230	E27	25D1/CL/E27	90564*	210	1 000	45	69.5	25	E	1/10/50
3	40	230	E27	40D1/CL/E27	90565*	400	1 000	45	69.5	40	E	1/10/50
3	15	230	B22	15D1/CL/B22	91911*	100	1 000	45	70	15	E	1/10/50

* Not CE compliant product

Product Description - explanation
For further information check the glossary

15	A1	/	FR	/	E27
Identifies lamp wattage	Identifies the lamp type: A1=GLS, C1=Candle, Rxx=Reflector/ IR = Infrared (xx=diameter), P1=Pygmy, D1=Spherical		Identifies the finish of the lamp: F/FR = Frosted CL = Clear O/SL = Opal R/Y/G/B = Colour options		Identifies the cap type

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Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Spherical – Frosted												
25	240	E14	25D1/FR/E14	19777*	210	1 000	45	74	25	E	1/10/100	4
40	240	E14	40D1/FR/E14	19778*	400	1 000	45	74	40	E	1/10/100	4
60	240	E14	60D1/FR/E14	19786*	660	1 000	45	74	60	E	1/10/50	4
40	230	E27	40D1/F/E27	90567*	400	1 000	45	69.5	40	E	1/10/50	4
60	230	E27	60D1/F/E27	90568*	660	1 000	45	69.5	60	E	1/10/50	4

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Colour	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Coloured Spherical												
15	230	E14	15D1/R/E14	90525	Red	1 000	45	74	14.3	N/A	1/10/50	5
15	230	E27	15D1/R/E27	90531	Red	1 000	45	69.5	14.3	N/A	1/10/50	5
15	230	E27	15D1/ORANGE/E27	90528	Orange	1 000	45	69.5	14.3	N/A	1/10/50	5
15	230	E14	15D1/Y/E14	90526	Yellow	1 000	45	74	14.3	N/A	1/10/50	5
15	230	E27	15D1/Y/E27	90527	Yellow	1 000	45	69.5	14.3	N/A	1/10/50	5
15	230	E14	15D1/G/E14	92004	Green	1 000	45	74	14.3	N/A	1/10/50	5
15	230	E27	15D1/G/E27	91521	Green	1 000	45	69.5	14.3	N/A	1/10/50	5
15	230	E14	15D1/B/E14	92001	Blue	1 000	45	74	14.3	N/A	1/10/50	5
15	230	E27	15D1/B/E27	91522	Blue	1 000	45	69.5	14.3	N/A	1/10/50	5

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Spherical Oven - Clear												
25	230	E27	25D1/CL/E27	12513	140	300	45	71	25	E	1/10/100	6
40	230	E14	40D1/CL/E14	12462	320	300	45	74	40	E	1/10/50	6
40	230	E27	40D1/CL/E27	12515	320	300	45	71	40	E	1/10/100	6
Candle - Clear												
25	240	E14	25C1/CL/E14	90478*	210	1 000	35	97	25	E	1/10/50	7
40	240	E27	40C1/CL/E27	10879*	400	1 000	35	93	40	E	1/10/100	7
60	240	E27	60C1/CL/E27	10880*	660	1 000	35	93	60	E	1/10/100	7
Candle - Frosted												
25	240	E14	25C1/FR/E14	91680*	210	1 000	35	97	25	E	1/10/50	8
40	240	E14	40C1/FR/E14	91682*	400	1 000	35	97	40	E	1/10/50	8

* Not CE compliant product

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Incandescent Lamps

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Candle – Opal												
1	25	230	E14	25C1/SL/E14	90483*	180	1 000	35	97	25	E	1/10/50
1	40	230	E14	40C1/SL/E14	90482*	360	1 000	35	97	40	E	1/10/50
1	60	230	E14	60C1/SL/E14	90481*	600	1 000	35	97	60	E	1/10/50
1	25	230	E27	25C1/O/E27	10875*	180	1 000	35	93	25	E	1/10/50
1	40	230	E27	40C1/O/E27	10877*	360	1 000	35	93	40	E	1/10/50
1	60	230	E27	60C1/O/E27	10878*	600	1 000	35	93	60	E	1/10/50
Decor Candle - Twisted Clear												
2	40	230	E14	40TC1/CL/E14	10827*	400	1 000	35	97	40	E	1/10/50
2	60	230	E14	60TC1/CL/E14	10828*	660	1 000	35	97	60	E	1/10/50
Decor Candle - Twisted Frosted												
3	25	230	E14	25TC1/F/E14	10831*	210	1 000	35	97	25	E	1/10/50
3	40	230	E14	40TC1/F/E14	10832*	400	1 000	35	97	40	E	1/10/50
3	60	230	E14	60TC1/F/E14	10833*	660	1 000	35	97	60	E	1/10/50

* Not CE compliant product

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Candela (cd)	Beam Angle (°)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Reflector - R39													
4	25	230	E14	25R39/E14	91523*	65	65	1 000	39	64 .5	25 .9	E	1/10/100
4	30	230	E14	30R39/E14	91524*	80	65	1 000	39	64 .5	30 .5	E	1/10/100
4	25	230	E14	25R39/E14	91523*	65	65	1 000	39	64 .5	25 .9	E	1/10/100
4	30	230	E14	30R39/E14	91524*	80	65	1 000	39	64 .5	30 .5	E	1/10/100
Reflector - R50													
5	25	230	E14	25R50/E14	92373*	200	35	1 000	50	86	25	E	1/10/50
5	40	230	E14	40R50/E14	92366*	300	35	1 000	50	86	40 .3	E	1/10/50
5	60	230	E14	60R50/E14	91327*	600	35	1 000	50	86	60 .2	E	1/10/50
Reflector - R63													
6	40	230	E27	40R63/E27	91079*	250	35	1 000	63,5	100	40 .3	E	1/10/40
6	60	230	E27	60R63/E27	91080*	410	35	1 000	63,5	100	60 .2	E	1/10/40

* Not CE compliant product

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Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Candela (cd)	Beam Angle (°)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Reflector - R80													
40	230	E27	40R80S/E27	92858*	200	35	1 000	80	109.5	40 4	E	1/10	7
60	230	E27	60R80S/E27	92839*	450	35	1 000	80	109.5	60 7	E	1/10	7
75	230	E27	75R80S/E27	92859*	600	35	1 000	80	109.5	75	E	1/10	7
100	230	E27	100R80S/E27	92860*	800	35	1 000	80	109.5	100	E	1/10	7
Reflector - R95													
100	230	E27	100R95/E27	91366*	1 350	35	1 000	95	127.5	100	E	1/32	8
150	230	E27	150R95/E27	91367*	2 250	35	1 000	95	127.5	150	E	1/32	8

* Not CE compliant product

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Colour	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Coloured Reflector - R50												
40	230	E14	40R50/R/E14	91386	Red	1 000	50	86	39.2	N/A	1/25	9
40	230	E14	40R50/Y/E14	91388	Yellow	1 000	50	86	39.2	N/A	1/25	9
40	230	E14	40R50/G/E14	91389	Green	1 000	50	86	39.2	N/A	1/25	9
40	230	E14	40R50/B/E14	91387	Blue	1 000	50	86	39.2	N/A	1/25	9
Coloured Reflector - R63												
40	230	E27	40R63/R/E27	91532	Red	1 000	63.5	100	39.4	N/A	1/25	10
40	230	E27	40R63/Y/E27	91531	Yellow	1 000	63.5	100	39.4	N/A	1/25	10
40	230	E27	40R63/G/E27	91533	Green	1 000	63.5	100	39.4	N/A	1/25	10
40	230	E27	40R63/B/E27	91530	Blue	1 000	63.5	100	39.4	N/A	1/25	10
Coloured Reflector - R80												
60	230	E27	60R80/R/E27	91528	Red	1 000	80	109.5	57.3	N/A	1/40	10
60	230	E27	60R80/Y/E27	91527	Yellow	1 000	80	109.5	57.3	N/A	1/40	10
60	230	E27	60R80/G/E27	91526	Green	1 000	80	109.5	57.3	N/A	1/40	10
60	230	E27	60R80/B/E27	91525	Blue	1 000	80	109.5	57.3	N/A	1/40	10

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Incandescent Lamps

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Infrared Reflector Hard Glass - Clear												
1	150	230-240	E27	150R/IR/CL/E27	28720	N/A	5 000	125	173	N/A	N/A	1/9
1	250	230-240	E27	250R/IR/CL/E27	28724	N/A	5 000	125	173	N/A	N/A	1/9
1	275	230-240	E27	275R/IR/CL/E27	32569	N/A	5 000	125	173	N/A	N/A	1/9
Infrared Reflector Hard Glass - Red front												
2	100	230	E27	100R95/IR/R/E27	92365	N/A	6 000	95	129	N/A	N/A	1/32
2	150	240	E27	150R/IR/R/E27	91372	N/A	5 000	125	173	N/A	N/A	1/10
2	250	240	E27	250R/IR/R/E27	91391	N/A	5 000	125	173	N/A	N/A	1/10
Infrared Reflector Hard Glass - Satin												
2	150	240	E27	150/IR/F/E27	91288	N/A	5 000	125	173	N/A	N/A	1/10
2	250	240	E27	250R/IR/F/E27	91390	N/A	5 000	125	173	N/A	N/A	1/10
2	275	240	E27	275R/IR/SA/E27	32296	N/A	5 000	125	173	N/A	N/A	1/9
Pygmy - Clear												
3	15	230	E14	15P1/CL/E14	12512	85	1 000	28	60	15.6	E	1/10/50
3	25	230	E14	25P1/CL/E14	91955	190	1 000	28	60	24.8	E	1/10/50
3	15	240	E14	15P1/CL/E14	91950	85	1 000	25	55	15.3	E	1/10/50
Pygmy Freezer - Clear												
3	15	230	E14	15P1/CL/E14	92046	85	1 000	25	55	15.3	E	1/10/50
Pygmy Oven - Clear												
3	15	230	E14	15P1/OVEN22/CL/E14	12447	85	1 000	22.5	48	15.1	E	1/50
3	15	230-240	E14	15P1/RS/CL/E14	93301	85	1 000	22.5	48	15.1	E	300
3	25	230	E14	25P1/OVEN25/CL/E14	43381	160	1 000	25	55	23.6	E	1/50
3	25	230-240	E14	25P1/OVEN/T25/CL	45330	160	1 000	25	55	23.6	E	250

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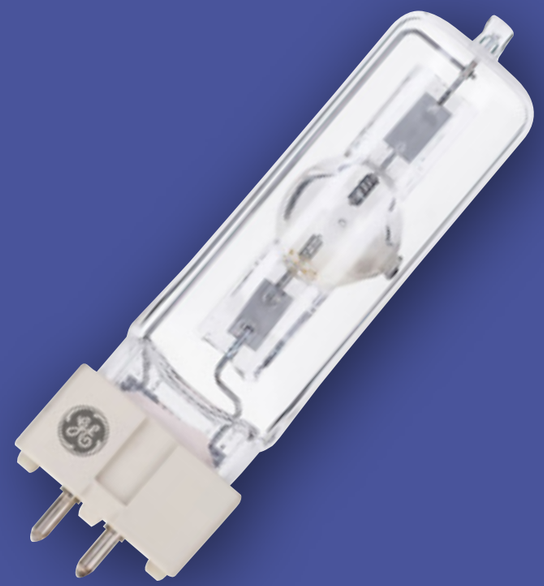

Specialty Lamps

Specialty Lamps

Our leading role in the development of all kinds of lighting technologies enables us to offer advanced, high performance solutions for specialised applications as diverse as film studios, rock concerts, airport runways and even fly traps! Following are our main areas of expertise:

Entertainment

We are a leading supplier to the entertainment industry, with a range of lamp technologies sold under the SHOWBIZ® brand including incandescent, halogen, metal halide and low energy compact fluorescent. Our ranges encompass everything from low watt to 24 000W products with bases to fit most known fixtures, and are used in applications such as:

- Film and broadcast (including studio and location)
- Events and concert tours
- Club and disco
- Theatre
- Specialist projection (e.g. photographic studio)

Horticulture

Artificial photosynthesis lighting plays an important role in improving the yield and quality of greenhouse crops, and for controlling day-night lengths to suit the needs of particular flowering plants. Our Lucalox™ Photosynthesis Lamp (PSL) range offers a number of important advantages:

- Properly balanced blue and red to optimise growth
- Improves the yield and quality of greenhouse crops
- Optimum light and PAR (Photosynthetically Active Radiation) output
- More PAR on average compared to standard HPS
- Wide range 250 – 750W with 230 and 400 V options

Special applications

We have a choice of lamp technologies – fluorescent/halogen, low/high watt, cap options – to meet the needs of a diverse range of special applications including:

- Health & safety (bacterial destruction, shatter protection)
- Insect control (e.g. fly traps in food preparation areas)
- Industrial heating (radiant heat for applications such as paint drying)
- Airfields (lamps for runways and taxiway lighting)

ENTERTAINMENT

HORTICULTURE

SPECIAL APPLICATIONS

Specialty Lamps / Entertainment Lamps

Product overview

Single Ended Hot Restrike

Wattages: 125 – 18 000W
Lumens: 9 800 – 1 650 000
CCT: 6000K
Rated life: Up to 750 h

Double Ended Hot Restrike

Wattage: Up to 24 000W
Lumens: 15 000 – 2 100 000
CCT: 5600 – 6000K
Rated life: Up to 750 h

Cinema Studio Biax™

Wattage: 55W
Lumens: 2 400 – 4 100
CCT: 3200 & 5600K
Rated life: Up to 8 000 h

Single Ended Halogen

Wattage: 1 250 – 24 000W
Volts: 230 – 240V
Lumens: 13 000 – 800 000
CCT: 3050 – 3400K
Rated life: Up to 500 h

Film and Broadcast

Single Ended Cold Start

Wattage: Up to 1 200W
Lumens: Up to 110 000
CCT: 6500 – 9000K
Rated life: 800 – 3 000 h

Double Ended Hot Restrike

Wattage: 575 – 1 500W
Lumens: Up to 130 000
CCT: 5800 – 7500K
Rated life: 500 – 750 h

Short Arc

Wattage: 1 200W
Lumens: 100 000
CCT: 5800K
Rated life: 750 h

Event and Tour

PAR

Range: PAR36, 46, 56, 64
Wattage: Up to 1 200W
Candelas: Up to 765 000
Rated life: Up to 4 000 h

Club and Disco

Single ended halogen HPL

Cap: G9.5/Heat Sink
Wattages: 375 – 750W
Rated life: 300 – 2 000 h

Single ended halogen

Cap: G9.5
Wattages: 575 – 6 750W
Rated life: 300 – 2 000 h

Double ended halogen

Cap: R7s
Wattages: 500 – 2 000W
Rated life: 75 – 400 h

Theatre

CSS/CSI/CID

Cap: G38
Wattages: 400 – 1 000W
Rated life: 500 – 3 500 h

Other applications

Specialty Lamps / Entertainment Lamps

Film and broadcast

Model	Wattage (W)	Volts	Cap	Product description	Product Code	Lumen (lm)	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty
Single Ended Halogen (Lower wattages are shown in the Theatre section)																
1	1250+650	230-240	GX38q	CP105 1250/650W 230-240V	88880	27 000+13 000	3050	CP105	–	250	220	–	BD45	D	1919.00	1
1	1250+1250	230-240	GX38q	CP30 230- 240V	88877	27 000+27 000	3200	CP30	–	300	220	–	BD45	D	2518.00	1

Model	Wattage (W)	Volts	Cap	Product description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer quantity
Discharge — Single Ended Hot Restrike													
2	125	80	GZX9.5	CSR125/SE/HR	48461	9 800	6000	200	75	U	A	137.50	10
3	200	70	GZY9.5	CSR200/SE/HR/UV-C	93011465	16 000	6000	200	80	U	A	220.00	10
3	400	67	GZZ9.5	CSR 400SE/HR/UV-C	93011462	32 000	6000	650	110	U	A	440.00	10
3	575	95	G22	CSR 575/SE/HR/UV-C	69061	48 000	6000	750	145	U	A	632.50	10
3	800	95	G22	CSR800/SE/HR/UVC	93011463	64 000	6000	1 000	145	U	A	880.00	6
3	1200	100	G38	CSR 1200 SE/HR/UV- C	27764	110 000	6000	750	200	U	A+	1320.00	6
4	1600	150	G22	CSR 1600/SE/HR/UV-C	93011464	130 000	6000	500	175	U	A+	1760.00	6
4	1800	150	G38	CSR 1800/SE/HR	77390	165 000	6000	750	200	U	A+	1980.00	6
5	2500	115	G38	CSR 2500/SE/HR/UV-C	40482	220 000	6000	500	240	U	A	2750.00	6
5	4000	200	G38	CSR 4000SE/HR/UV- C	27765	380 000	6000	500	260	U	A+	4400.00	6
6	6000	130	G38	CSR 6000/SE/HR/UV-C	40492	540 000	6000	300	360	U	A+	6600.00	6
6	9000	160	G38	CSR9000/SE/HR	65852	875 000	6000	250	360	U	A+	875.00	6
6	12 000	225	G38	CSR12000/SE/HR/ UV-C	97272	1 150 000	6000	300	450	U	A+	13200.00	4
6	18 000	225	G51	CSR18000/SE/HR	22496	1 650 000	6000	250	470	U	A+	19800.00	1
Discharge — Double Ended Hot Restrike													
7	1200	100	SFc 10-5-6 SI/M6	CSR1200/DE	48453*	110 000	6000	750	220	HOR±15°	A+	1320.00	10
7	2500	115	Sta21-12	CSR2500/DE	48454*	24 0000	6000	500	355	HOR±15°	A+	2750.00	6
7	6000	125	25X51 Cyl 165mm	CSR6000/DE	48456*	570 000	6000	300	450	HOR±15°	A+	6600.00	10
7	12 000	160	30x70 Cyl 165mm	CSR12000/DE	48457*	1 100 000	6000	300	470	HOR±15°	A+	13200.00	10
7	18 000	225	30x70 Cyl 165mm	CSR18000/DE	48459	1 650 000	6000	500	500	HOR±15°	A+	19800.00	4
8	24 000	270	30x70 Cyl 165mm	CSR24 000/DE	78710*	2 100 000	6000	500	500	HOR±15°	A	26400.00	1

* While stock lasts

Product Description — explanation

For further information check the glossary

CSR 4000 / SE / HR / UV-C

- CSR: (CSR) High Intensity Discharge lamp brand name code
- 4000: Identifies lamp wattage
- SE: Identifies the lamp as single ended finish of the lamp
- HR: Hot Restrike
- UV-C: The lamp has UV control

1 2 3 4 5 6 7 8

Specialty Lamps / Entertainment Lamps

Film and broadcast, event and tour

Wattage (W)	Volts	Cap	Product description	Product Code	Lumen (lm)	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Single Ended Halogen (Lower wattages are shown in the Theatre section)																
1250+650	230-240	GX38q	CP105 1250/650W 230-240V	88880	27 000+13 000	3050	CP105	–	250	220	–	BD45	D	1919.00	1	9
1250+1250	230-240	GX38q	CP30 230- 240V	88877	27 000+27 000	3200	CP30	–	300	220	–	BD45	D	2518.00	1	9
1250+2500	230-240	GX38q	CP58 230-240V	88878	27 000+59 000	3200	CP58	–	300	220	–	BD45	C	3795.00	1	10
2500+2500	230-240	GX38q	CP32 230-240V	88879	59 000+59 000	3200	CP32	–	100	220	–	BD45	C	5059.00	1	11
5000	230	G38	CP29 230V	88875	13 500	3200	CP29	–	375	279	–	BDTH	C	5040.00	12	12
5000	240	G38	CP29 240V	88876	13 000	3200	CP29	–	375	279	–	BDTH	C	5040.00	12	13
5000	240	G38	HX5000/240V	71379	133 000	3200	–	–	200	270	65	U	C	4652.57	6	13
10 000	220-230	G38	CP83 220-230V	12036	280 000	3200	CP83	–	500	405	–	BDTH	C	9965.00	1	14
10 000	240	G38	CP83 240V	12037	280 000	3200	CP83	–	500	405	–	BDTH	C	9777.33	1	14
12 000	230	GX38	Q12MT26/CL 230V	48771	400 000	3400	–	–	130	410	–	BD45	B	12600.37	1	15
12 000	240	GX38	Q12MT26/CL 240V	48779	400 000	3400	–	–	130	410	–	BD45	C	11659.73	1	15
20 000	220	GX38	Q20MT32/CL 230V	48773*	580 000	3200	–	BCM	400	560	–	BD45	C	18762.33	1	16
20 000	240	GX38	Q20MT32/CL 240V	48774	580 000	3200	–	BCM	400	560	–	BD45	C	19727.93	1	16
24 000	240	GX38	Q24MT32/CL 240V	48777	800 000	3400	–	–	150	560	–	BD45	B	23778.40	1	17
Cinema Studio Biax™																
55	–	2G11-4 PIN	F55BX/STUDIOBIAX32	41869	4 100	3200	–	–	8 000	55	–	U	A	60.50	10	18
55	–	2G11-4 PIN	F55BX/STUDIOBIAX56	41873	4 100	5600	–	–	8 000	55	–	U	A	60.50	10	18
55	–	2G11-4 PIN	F55BX/CINPLUS/32	41903	2 400	3200	–	–	2 000	55	–	U	B	60.50	10	18
55	–	2G11-4 PIN	F55BX/CINPLUS/55	41911	2 400	5600	–	–	2 000	55	–	U	B	60.50	10	18

* While stock lasts

Wattage (W)	Volts	Cap	Product description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer quantity	Model
Discharge — Single Ended Cold Start													
250	95	GY9.5	CSD 250/2 SE	10744	18 000	8500	3 000	108	U	A	275.00	10	19
575	97	GX9.5	CSR575/2/T/SE	49492*	42 000	7600	1 000	125	U	A	632.50	10	20
575	97	GX9.5	CSR575/2/SE	69064	46 000	7200	1 000	125	U	A	632.50	10	21
700	70	G22	CSR700/2/SE	49491	55 000	6500	1 000	155	U	A	770.00	10	22
1200	100	G22	CSR1200/2/SE	49490	110 000	7000	800	175	U	A+	1320.00	6	23
Discharge — CSR Turn and Lock (TAL)													
700	70	PGJX28	CSR700/TAL	78718*	50 000	7400	750	122	U	A	770.00	4	24

* While stock lasts

9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Specialty Lamps / Entertainment Lamps

Event and tour, club and disco

Discharge — Double Ended Hot Restrike

Model	Wattage (W)	Volts	Cap	Product description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer quantity
1	575	95	SFc 10-4 SI/M4	CSR575/S/DE/70	70979*	40 000	7000	750	138	U	A	632.50	10
2	575	100	SFc 10-4 SI/M4	CSR575/SS/DE/75	45231*	44 000	7500	500	92	HOR±15°	A	632.50	10
3	700	70	SFc 10-4 SI/M4	CSR700/S/DE/60	22493*	59 000	6000	750	138	U	A	770.00	10
3	700	70	SFc 10-4 SI/M4	CSR700/S/DE/72	41357*	51 000	7200	750	138	U	A	770.00	10
3	1200	100	SFc 10-4 SI/M4	CSR1200/S/DE/60	22494*	110 000	6000	750	138	U	A+	1320.00	10
3	1500	115	SFc 10-4 SI/M4	CSR1500/S/DE/60	96800*	130 000	5800	500	138	HOR±15°	A	1650.00	10

Discharge — Short Arc

Model	Wattage (W)	Volts	Cap	Product description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer quantity
4	1200	100	GY22	CSR 1200/SA	21849*	100 000	5800	750	135	U	A	1320.00	6

* While stock lasts

PAR 36

Model	Wattage (W)	Volts	Product description	Product Code	CCT (K)	LIF Code	ANSI Code	Cap	Rated Life (h)	Candelas	Beam type	Beam 10%	Beam 50%	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty
5	25	5.5	25PAR36 5.5V	14553	3000	–	–	Screw Term.	1 000	30 000	VNSP	–	5 x 5	69.8	114.3	U	E	26.43	12
5	25	12	25PAR36/WFL 12V	14555	–	–	–	Screw Term.	2 000	500	WFL	49 x 41	37 x 26	69.8	114.3	U	E	26.01	12
6	30	12.8	4405 12.8V	24425	–	–	–	Screw Term.	100	50 000	VNSP	6 x 5	–	69.8	114.3	U	Exempt	Exempt	12
6	30	6.2	4511 6.2V	24663	–	–	–	Screw Term.	300	2 300	–	–	–	69.8	114.3	U	Exempt	Exempt	12
5	30	6.4	H4515 6.4V	15133	–	–	–	Screw Term.	100	67 000	VNSP	5.5 x 4	–	69.8	114.3	U	E	31.53	12
7	30	6.4	4515 6.4V	24673	–	–	–	Screw Term.	100	55 000	VNSP	5 x 5	–	69.8	114.3	U	E	31.58	12
5	50	12.8	H7604 12.8V	43576	–	–	–	Screw Term.	100	100 000	NSP	7 x 5	–	69.8	114.3	U	Exempt	Exempt	12
5	50	12	50PAR36/VNSP 12V	12892	–	–	–	Screw Term.	2 000	25 000	VNSP	–	6 x 6	69.8	114.3	U	E	52.11	12
5	50	12	50PAR36/NSP 12V	16540	–	–	–	Screw Term.	2 000	9 200	NSP	–	10 x 10	69.8	114.3	U	E	51.98	12
6	50	12	50PAR36/WFL 12V	16541	–	–	–	Screw Term.	2 000	1 300	WFL	48 x 41	36 x 28	69.8	114.3	U	E	51.98	12
6	50	12	50PAR36/WFL/H 12V	19880	3050	–	–	Screw Term.	4 000	1 300	WFL	–	30 x 30	69.8	114.3	U	E	51.33	12
6	50	28	4502 28.0V	24627	–	–	–	Screw Term.	400	10 000	WFL	40 x 7	–	69.8	114.3	U	Exempt	Exempt	12
6	50	28	4505 28.0V	24640	–	–	–	Screw Term.	400	45 000	NSP	11 x 5	–	69.8	114.3	U	Exempt	Exempt	12
6	50	28	4589 28V 50W	24873	–	–	–	Screw Term.	400	5 000	–	–	–	69.8	114.3	U	Exempt	Exempt	12
7	100	13	4509 13.0V	24650	–	–	–	Screw Term.	25	110 00	NSP	12 x 6	–	69.8	114.3	U	Exempt	Exempt	12
5	100	13	4509X 13.0V	41503	–	–	–	Screw Term.	25	110 000	NSP	12 x 6	–	69.8	114.3	U	Exempt	Exempt	12
8	50	28	4593 28.0V	24887	–	–	–	Screw Term.	400	1 500	VWFL	80 x 30	–	69.8	114.3	U	Exempt	Exempt	12
6	100	28	4594 28.0V	24891	–	–	–	Screw Term.	300	70 000	NSP	13 x 7	–	69.8	114.3	U	Exempt	Exempt	12
6	150	28	4626 28.0V	24964	–	–	–	Screw Term.	300	25 000	WFL	40 x 9	–	69.8	114.3	U	Exempt	Exempt	12
6	100	28	4627 28.0V	24966	–	–	–	Screw Term.	300	3 000	VWFL	80 x 30	–	69.8	114.3	U	Exempt	Exempt	12
9	250	28	4587 28.0V	24867	–	–	–	Screw Term.	25	4 000	WFL	40 x 13	–	69.8	114.3	U	Exempt	Exempt	12
9	250	28	4596 28.0V	24898	3000	–	–	Screw Term.	25	150 000	NSP	11 x 12	–	69.8	114.3	U	Exempt	Exempt	12
6	650	120	DWE Q650PAR36/1 120V	41667	3200	–	DWE	Screw Term.	100	24 000	MFL	–	40 X 30	69.8	114.3	HOR±15°	D	692.40	12
10	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°	D	692.40	12
6	650	120	FCX-Q650PAR36/7 120V	41673	3200	–	FCX	Ferrule	100	24 000	MFL	–	40 X 30	69.8	114.3	HOR±15°	D	692.40	12

1 2 3 4 5 6 7 8 9 10

Specialty Lamps / Entertainment Lamps

Club and disco

PAR 46

Wattage (W)	Volts	Product description	Product Code	CCT (K)	LIF Code	ANSI Code	Cap	Rated life (h)	Candelas	Beam type	Beam 10%	Beam 50%	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
50	12.8	H7635 12.8V	43591	–	–	–	Screw Terminals	100	160 000	VNSP	–	6.5 x 4	95.2	146	U	Exempt	Exempt	12	11
60	28	4578 28.0V	25005*	–	–	–	3 Contact Lugs	800	1 600	–	–	–	95.2	146	U	Exempt	Exempt	12	12
80	28	4579 28V 80W	25009	–	–	–	3 Contact Lugs	400	24 000	–	–	–	95.2	146	U	Exempt	Exempt	12	12
100	13	4537-2 13.0V	40822	–	–	–	Screw Terminals	25	200 000	SP	–	11 x 6	95.2	146	U	Exempt	Exempt	12	12
250	28	4551 28.0V	24795	–	–	–	Screw Terminals	25	75 000	–	–	–	95.2	146	U	Exempt	Exempt	12	12
250	28	4553 28.0V	24799	–	–	–	Screw Terminals	25	300 000	SP	–	11 x 12	95.2	146	U	Exempt	Exempt	12	12
450	16.5	4635	33284*	–	–	–	Screw Terminals	25	325 000	–	–	–	95.2	146	U	Exempt	Exempt	12	13
450	28	4580 28.0V	24859	–	–	–	Screw Terminals	10	400 000	SP	–	13 x 14	95.2	146	U	Exempt	Exempt	12	12
450	28	Q4554 28.0V	37706	–	–	–	Screw Terminals	100	65 000	WFL	–	50 x 11	95.2	146	U	Exempt	Exempt	12	12
450	28	Q4681 28.0V	36271	–	–	–	Screw Terminals	50	310 000	SP	–	15 x 9	95.2	146	U	Exempt	Exempt	12	14

* While stock lasts

PAR 56

Wattage (W)	Volts	Product description	Product Code	CCT (K)	LIF Code	ANSI Code	Cap	Rated life (h)	Candelas	Beam type	Beam 10%	Beam 50%	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
100	12	4545 100W 12V	24768	–	–	–	Screw Terminals	100	225 000	NSP	–	9 x 5	127	177.8	U	Exempt	Exempt	12	12
120	12	120PAR56WFL 12V	19025	–	–	–	Screw Terminals	2 000	5 625	WFL	35 x 18	50 x 25	127	177.8	U	D	125.19	12	15
200	30	200PAR 30V	20122	–	–	–	Screw Terminals	350	270 000	SP	–	9 x 9	127	177.8	U	Exempt	Exempt	12	15
240	12	240PAR56/VNSP 12V	20575	–	–	–	Screw Terminals	2 000	140 000	VNSP	9 x 6	7 x 10	127	177.8	U	E	260.08	12	15
240	12	240PAR56/WFL 12V	20577*	–	–	–	Screw Terminals	2 000	13 000	WFL	35 x 18	50 x 27	127	177.8	U	E	260.08	12	15
300	12	300PAR56/WFL 12V	23427	–	–	–	Screw Terminals	1 000	–	WFL	–	–	127	177.8	U	C	309.51	12	15
300	120	300PAR56/NSP 120V	20803	2750	–	–	Mog End Pr GX16d	2 000	68 000	NSP	10 x 8	20 x 14	127	177.8	U	E	313.36	12	15
300	120	300PAR56/MFL 120V	20836	2750	–	–	Mog End Pr GX16d	2 000	24 000	MFL	23 x 11	34 x 19	127	177.8	U	E	318.70	12	15
300	120	300PAR56/WFL 120V	20849	2750	–	–	Mog End Pr GX16d	2 000	11 000	WFL	37 x 18	57 x 27	127	177.8	U	E	318.70	12	15
300	230	300PAR56/MFL 230V	20852	–	–	–	ExMogEndPr GX16d	2 000	30 000	MFL	–	–	127	177.8	U	E	293.19	12	15
300	230	300PAR56/NSP 230V	20853	–	–	–	ExMogEndPr GX16d	2 000	40 000	NSP	–	–	127	177.8	U	E	293.19	12	15
300	230	300PAR56/WFL 230V	20854	–	–	–	ExMogEndPr GX16d	2 000	10 000	WFL	–	–	127	177.8	U	E	293.19	12	15
300	240	300PAR56/NSP 240V	18676	–	–	–	ExMogEndPr GX16d	2 000	40 000	NSP	–	–	127	177.8	U	E	285.58	12	15
300	240	300PAR56/MFL 240V	18677	–	–	–	ExMogEndPr GX16d	2 000	30 000	MFL	–	–	127	177.8	U	E	285.58	12	15
300	240	300PAR56/WFL 240V	18678	–	–	–	ExMogEndPr GX16d	2 000	10 000	WFL	–	–	127	177.8	U	E	285.58	12	15
500	120	Q500PAR56MFL 120V	43495	2950	–	–	Mog End Pr GX16d	4 000	43 000	MFL	26 x 10	42 x 20	127	177.8	U	D	550.11	6	16
500	120	Q500PAR56WFL 120V	43496	2950	–	–	Mog End Pr GX16d	4 000	19 000	WFL	44 x 20	66 x 34	127	177.8	U	D	550.11	6	16
500	120	Q500PAR56NSP 120V	43494	2950	–	–	Mog End Pr GX16d	4 000	96 000	NSP	13 x 8	32 x 15	127	177.8	U	D	550.11	6	16

* While stock lasts

11 12 13 14 15 16

Specialty Lamps / Entertainment Lamps

Club and disco

PAR 64

Model	Wattage (W)	Volts	Product description	Product Code	CCT (K)	LIF Code	ANSI Code	Cap	Rated life (h)	Candelas	Beam type	Beam 10%	Beam 50%	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty
1	250	28	4552 28.0V	40576	–	–	–	Screw Terminals	25	500 000	SP	–	7 X 8	152.4	203.2	U	Exempt	Exempt	12
1	600	28	4559 28.0V	40578	–	–	–	Screw Terminals	25	600 000	SP	–	11 X 12	152.4	203.2	U	Exempt	Exempt	12
1	600	28	Q4559 28.0V	40579	–	–	–	Screw Terminals	100	600 000	SP	–	12 X 8	152.4	203.2	U	Exempt	Exempt	12
2	600	28	Q4559X 28.0V	42552	–	–	–	Screw Terminals	100	765 000	SP	11x7.5	–	152.4	203.2	U	Exempt	Exempt	12
2	500	230	CP86 – Q500PAR64/VNSP 230V	73581	3200	CP86	–	GX16d	300	240 000	VNSP	16x13	10x7	152.4	203.2	U	D	496.62	6
2	500	240	CP86 – Q500PAR64/VNSP 240V	99944	3200	CP86	–	GX16d	300	240 000	VNSP	16x13	10x7	152.4	203.2	U	C	507.66	6
2	500	230	CP87 – Q500PAR64/NSP 230V	99945	3200	CP87	–	GX16d	300	140 000	NSP	19x16	11x9	152.4	203.2	U	D	499.88	6
2	500	240	CP87 – Q500PAR64/NSP 240V	99946	3200	CP87	–	GX16d	300	140 000	NSP	19x16	11x9	152.4	203.2	U	C	512.64	6
2	500	230	CP88 – Q500PAR64/MFL 230V	99947	3200	CP88	–	GX16d	300	65 000	MFL	32x19	21x10	152.4	203.2	U	D	498.86	6
2	500	240	CP88-Q500PAR64/MFL 240V	99948	3200	CP88	–	GX16d	300	65 000	MFL	32x19	21x10	152.4	203.2	U	C	498.86	6
2	500	230	500PAR64/MFL 230V	39411	2700	–	–	ExMogEndPr GX16d	2 000	–	MFL	21 X 10	32 x 19	152.4	203.2	U	E	504.90	12
2	500	230	500PAR64/WFL 230V	39414	2700	–	–	ExMogEndPr GX16d	2 000	–	WFL	42 X 20	55 x 32	152.4	203.2	U	E	504.90	12
2	400/1000	28	4557 28/28V	40581	3350	–	–	3 Screw Terminals	25	540 000	–	–	–	152 4	203 2	U	Exempt	Exempt	12
2	1000	230	SUPER CP60 EXC VNS 230V	88425	3200	CP60	–	GX16d	300	352 000	VNSP	20x17	12x9	152.4	203.2	U	C	1024.70	6
2	1000	240	SUPER CP60 EXC VNS 240V	88551	3200	CP60	–	GX16d	300	352 000	VNSP	20x17	12x9	152.4	203.2	U	C	1036.20	6
2	1000	230	SUPER CP61 EXD NS 230V	88535	3200	CP61	–	GX16d	300	297 000	NSP	22x20	14x10	152.4	203.2	U	C	1030.70	6
2	1000	240	SUPER CP61 EXD NS 240V	88550	3200	CP61	–	GX16d	300	297 000	NSP	22x20	14x10	152.4	203.2	U	C	1039.92	6
2	1000	230	SUPER CP62 EXE MF 230V	88549	3200	CP62	–	GX16d	300	138 000	MFL	38x20	24x11	152.4	203.2	U	C	1061.92	6
2	1000	240	SUPER CP62 EXE MF 240V	88536	3200	CP62	–	GX16d	300	138 000	MFL	38x20	24x11	152.4	203.2	U	C	1037.14	6
2	1000	230	CP95 230V	88511*	3200	CP95	–	ExMogEndPr GX16d	300	15 000	VWFL	125 x 95	70 X 70	152.4	203.2	U	C	993.02	6
2	1000	240	CP95 240V	88510	3200	CP95	–	ExMogEndPr GX16d	300	15 000	VWFL	125 x 95	70 X 70	152.4	203.2	U	C	999.82	6
2	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	C	995.78	6
2	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	C	1006.14	6
3	500	120	500PAR64/MFL 120V	39409*	2800	–	–	ExMogEndPr GX16d	2 000	37 000	MFL	23 X 11	35 x 19	152.4	203.2	U	E	549.97	12
2	1000	120	FFN 120V	13233	3200	–	FFN	ExMogEndPr GX16d	800	40 0000	VNSP	12 X 6	24 x 10	152.4	203.2	U	E	1083.58	6
2	1000	120	FFP 120V	13229	3200	–	FFP	ExMogEndPr GX16d	800	330 000	NSP	14 X 7	26 x 14	152.4	203.2	U	E	1083.58	6
2	1000	120	FFR 120V	13228	3200	–	FFR	ExMogEndPr GX16d	800	125 000	MFL	28 X 12	44 x 21	152.4	203.2	U	E	1083.58	6
2	1000	120	FFS 120V	13227	3200	–	FFS	ExMogEndPr GX16d	800	40 000	WFL	48 X 24	71 x 45	152.4	203.2	U	E	1083.58	6
2	1000	120	Q1000PAR64NSP 120V	43497	3000	–	–	ExMogEndPr GX16d	4 000	200 000	NSP	15 X 8	31 X 14	152.4	203.2	U	D	1053.24	6
2	1000	120	Q1000PAR64MFL 120V	43498	3000	–	–	ExMogEndPr GX16d	4 000	80 000	MFL	28 X 12	45 x 22	152.4	203.2	U	D	1053.24	6
2	1000	120	Q1000PAR64WFL 120V	43499	3000	–	–	ExMogEndPr GX16d	4 000	33 000	WFL	48 X 24	72 x 45	152.4	203.2	U	D	1053.24	6
2	1200	120	GFC 1200W 120V VNSP	88487	3200	GFC	–	ExMogEndPr GX16d	400	540 000	VNSP	8x10	14x16	152.4	203.2	U	D	1288.85	6

* While stock lasts

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Specialty Lamps / Entertainment Lamps

Theatre

Single Ended Halogen — HPL (19 mm diameter)

Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
375	115	G9.5/Heat Sink	HPL375-C 115V	88540	10 540	3050	–	–	300	106	U	C	418.52	12	4
375	115	G9.5/Heat Sink	HPL375-LL-C 115V	88539	8 000	3200	–	–	1 000	106	U	E	420.07	12	4
575	230	G9.5/Heat Sink	HPL 575W 230V	88478	14 900	3200	–	–	300	106	U	C	599.98	12	4
575	240	G9.5/Heat Sink	HPL 575W 240V	88477	14 900	3200	–	–	300	106	U	D	597.77	12	4
575	120	G9.5/Heat Sink	HPL 575-C 120V	88436	16 520	3250	–	–	300	106	U	C	594.55	12	4
575	115	G9.5/Heat Sink	HPL 575-C 115V	88438	16 520	3250	–	–	300	106	U	C	617.98	12	4
575	230	G9.5/Heat Sink	HPL 575W LL 230V	88476	11 780	3050	–	–	1 500	106	U	D	594.48	12	4
575	240	G9.5/Heat Sink	HPL 575W LL 240V	88475	11 780	3050	–	–	1 500	106	U	D	591.13	12	4
575	120	G9.5/Heat Sink	HPL 575-X LL-C 120V	88434	12 360	3050	–	–	2 000	106	U	D	621.63	12	4
575	115	G9.5/Heat Sink	HPL 575-X LL-C 115V	88435	12 360	3050	–	–	2 000	106	U	D	622.46	12	4
750	230	G9.5/Heat Sink	HPL 750W 230V	88474	19 750	3200	–	–	300	106	U	C	776.97	12	5
750	240	G9.5/Heat Sink	HPL 750W 240V	88473	19 750	3200	–	–	300	106	U	C	773.78	12	5
750	115	G9.5/Heat Sink	HPL 750-C 115V	88437	22 000	3250	–	–	300	106	U	C	819.39	12	5
750	115	G9.5/Heat Sink	HPL 750W-XLL-C 115V	88428	16 400	3050	–	–	2 000	106	U	D	808.07	12	5
750	230	G9.5/Heat Sink	HPL 750W LL 230V	88430	15 600	3050	–	–	1 500	106	U	D	771.10	12	5
750	240	G9.5/Heat Sink	HPL 750W LL 240V	88429	15 600	3050	–	–	1 500	106	U	D	759.59	12	5

Single Ended Halogen

Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
575	115	G9.5	FLK 575W 115V G9.5	88548	16 500	3200	–	FLK	300	105	U	C	629.65	24	6
575	115	G9.5	HX601 FLK/LL 575W/115-120V	88452	10 000	3100	–	EHD	2 000	105	U	D	611.86	50	7
575	115	G9.5	GLC 575W HP 115V	88423	14 500	3200	–	GLC	300	105	U	D	608.92	24	8
575	115	G9.5	GLA 575W HP 115V LL	88424	13 000	3050	–	GLA	1 500	105	U	D	622.67	24	9
600	230	G9.5	GKV 600W 230V G9.5	88448	14 000	3200	–	GKV	250	105	U	C	584.62	24	7
600	240	G9.5	GKV 600W 240V G9.5	88447	14 000	3200	–	GKV	250	105	U	C	585.81	24	7
600	230	G9.5	GKV LL 230V 600W	88446	11 000	3000	–	GKV	1 500	105	U	D	593.64	24	7
600	240	G9.5	GKV LL 240V 600W	88445	11 000	3000	–	GKV	1 500	105	U	D	587.77	24	7
650	230-240	G9.5	FKR 230-240V	88450	15 000	3100	–	FKR	300	105	U	C	652.78	24	7
750	115	G9.5	GLE 115V	88426	17 400	3050	–	GLE	1 500	105	U	D	817.20	24	9
750	120	G9.5	EHF Q750/4CL	88627	20 000	3200	–	EHF	300	105	U	C	804.03	24	10
750	120	G9.5	EHG Q750/CL/TP 750W 120V	88626	16 500	3000	–	FLK	300	105	U	E	801.44	24	4

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Single Ended Halogen

Model	Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty
1	800	230-240	G9.5	GKV 800W 230-240V	88432	20 000	3200	HX800	–	250	105	U	C	785.61	24
1	1000	120	G9.5	FEL Q1000/4CL 120V	88625	27 500	3200	CP77	FEL	300	105	U	C	1012.88	24
2	1000	230-240	G9.5	CP77 FEP 230- 240V	88449	25 000	3200	CP77	FEP	300	105	U	C	980.89	24
3	300	120	GY9.5	CP81 FKW 120V	88443	6 900	3200	CP81	FKW	50	90	BDTH	D	322.92	24
3	300	230	GY9.5	CP81 FSL 230V	88433	6 900	3200	CP81	FSL	150	90	BDTH	C	317.74	24
3	300	240	GY9.5	CP81 FSK 240V	88444	6 900	3200	CP81	FSK	150	90	BDTH	D	290.29	24
4	500	120	GY9.5	CP82 FRG 120V	88467	13 000	3200	CP82	FRG	150	90	BDTH	C	541.56	24
4	500	230	GY9.5	CP82 FRH 230V	88466	12 500	3200	CP82	FRH	150	90	BDTH	C	519.00	24
5	500	240	GY9.5	CP82 FRJ 240V	88464	12 500	3200	CP82	FRJ	150	90	BDTH	C	523.78	24
5	500	230-240	GY9.5	T18 GCW 230- 240V	88465	11 000	3050	T18	GCW	400	90	BDTH	C	507.85	24
6	500	230-240	GY9.5	T25 230-240V		11 000	3000	T25	GCW	360	90	BDTH	C	498.33	24
5	650	230-240	GY9.5	T27 230-240V	88469	14 500	3050	T27	GCS	400	90	BDTH	C	648.58	24
7	650	230-240	GY9.5	T26 GCS 230- 240V	88463	15 500	3100	T26	GCS	400	90	BDTH	C	662.84	24
8	650	120	GY9.5	CP89 FRK 120V	88462	16 900	3200	CP89	–	200	90	BDTH	C	722.27	24
8	650	230-240	GY9.5	CP89 FRM 230- 240V	88461	16 250	3200	CP89	FRM	150	90	BDTH	C	664.69	24
9	650	230-240	GX9.5	T12 230-240V	88431	13 500	3000	T12	–	750	110	BDTH	D	668.16	12
10	650	230	GX9.5	CP23 230V	72680	16 900	3200	CP23	–	100	110	BDTH	C	641.64	12
10	650	230-240	GX9.5	CP23 230-240V	88455	16 900	3200	CP23	–	100	110	BDTH	C	647.62	12
10	1000	230-240	GX9.5	CP24 230-240V	88459	26 000	3200	CP24	–	200	110	BDTH	C	1015.60	12
11	1000	115/120	GX9.5	T11 115-120V	88515	23 500	3050	T11	–	750	110	BDTH	D	1065.51	24
11	1000	230-240	GX9.5	T11 230-240V	88456	23 000	3050	T11	–	750	110	BDTH	C	1002.41	12
12	1000	230-240	GX9.5	T19 FWR 230-240V	88457	21 000	3050	T19	FWR	750	110	BDTH	D	991.31	12
12	1000	230	GX9.5	CP70 FVA 230V	88472	25 000	3200	CP70	FVA	200	110	BDTH	C	996.20	12
12	1000	240	GX9.5	CP70 FVA 240V	88471	25 000	3200	CP70	FVB	200	110	BDTH	C	996.80	12
13	1200	230-240	GX9.5	T29 FWT 230-240V	88454	29 000	3050	T29	FWT	400	110	BDTH	C	1193.38	12
13	1200	230-240	GX9.5	CP90 230-240V	88453	33 000	3200	CP90	–	200	110	BDTH	C	1187.33	12
14	2000	230	GY16	CP43 FTM 230V	96735	54 000	3200	CP43	FTM	400	145	BDTH	C	2014.80	12
14	2000	230-240	GY16	CP43 FTL 230-240V	88533	54 000	3200	CP43	FTL	400	145	BDTH	C	2024.69	12
14	2000	230-240	GY16	CP79 230-240V	88503	54 000	3200	CP79	–	350	145	BDTH	C	2034.10	12
11	2000	120	GY16	CP79 120V	88440	–	–	CP79	–	–	145	BDTH	C	2186.99	12
15	1200	80	G22	CP110 OC-1200 80V	88439	37 500	3300	–	–	300	140	BDTH	C	1303.38	12
16	500	120	G22	EGN 120V	88509	13 000	3200	–	EGN	150	140	BDTH	C	544.52	12
15	650	230-240	G22	CP39 FKH 230- 240V	88531	16 900	3200	CP39	FKH	100	140	BDTH	C	644.16	12
11	750	120	G22	EGR-Q750T7/4CL 120	88621	21 000	3200	–	EGR	200	127	BDTH	C	810.49	12
16	1000	120	G22	EGT-Q1000T7/4CL 120V	88622	28 500	3200	–	EGT	250	127	BDTH	C	1044.52	12

Single Ended Halogen

Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
1000	230	G22	CP40 FKJ 230V	88458	26 000	3200	CP40	FKJ	200	140	BDTH	C	1002.22	12	17
1000	240	G22	CP40 FKJ 240V	88538	26 000	3200	CP40	FKJ	200	140	BDTH	C	1008.77	12	17
1200	230-240	G22	CP93 230-240V	88508	33 000	3200	CP93	–	200	140	BDTH	C	1255.78	12	17
2000	120	G22	CP92 120V	88507	55 000	3200	CP92	–	400	175	BDTH	C	2151.38	12	18
2000	230-240	G22	CP92 230-240V	88506	52 000	3200	CP92	–	400	175	BDTH	C	2028.00	12	18
2500	230-240	G22	CP91 230-240V	88505	67 500	3200	CP91	–	400	175	BDTH	D	588.21	12	19
500	120	P28s	EGE-Q500/CL/P 120V	88617	10 450	2950	–	EGE	2 000	152	U	D	546.37	12	20
500	120	P28s	BTM 120V	88546	13 000	3200	–	BTM	150	130	BDTH	C	542.61	12	21
500	120	P28s	BTL-Q500T6/CL/P 120V	88547	11 000	3000	–	BTL	500	133	BDTH	D	532.92	12	22
500	230-240	P28s	T17 FKF 230- 240V	88498	9 500	2950	T17	–	750	130	BDTH	D	504.08	12	22
500	230-240	P28s	T28 230-240V	88451	11 000	3000	T28	–	300	130	BDTH	C	510.97	12	22
650	230-240	P28s	T13 FKB 230- 240V	88497	13 500	3000	T13	–	750	130	BDTH	D	663.46	12	22
750	120	P28s	EGG-Q750/CL/P120	88619	15 750	3000	–	EGG	2 000	152	BDTH	E	801.25	12	23
750	120	P28s	BTN-Q750T7/CL/2P 120	88605	17 600	3050	–	BTN	500	121	BDTH	C	814.46	12	20
1000	230-240	P28s	T14 FKD 230- 240V	88529	23 000	3050	T14	–	750	130	BDTH	C	1004.06	12	23
1000	230-240	P28s	FKE 230-240V	88499*	23 000	3050	T15	FKE	750	160	BDTH	C	999.50	12	24
1000	230-240	P28s	CP52 FKN 230-240V	88496	26 000	3200	CP52	FKN	200	121	BDTH	C	1010.60	12	25
1000	120	P28s	BTR-Q1000T7/4CL/2P120	88607	28 500	3200	–	BTR	250	121	BDTH	C	1041.66	12	20
1000	120	P28s	EGK-Q1000/4/P 1000W/120V	88614	26 500	3200	–	EGK	300	152	BDTH	C	1067.31	12	20
1000	120	G38	CYV-Q1000T7/4CL/BP 1000W/120V	88630	28 500	3200	–	CYV	200	127	BDTH	C	1039.33	6	20
1500	120	G38	CXZ-Q1500T10/4CL 1500W/120V	88612	44 500	3200	–	CXZ	400	216	BDTH	C	1610.99	6	20
2000	120	G38	CYX-Q2000T10/4CL 120V	88610	59 000	3200	HX270	CYX	400	216	BDTH	C	2137.17	6	26
2000	230	G38	CP41 FKK 230V	88489	54 000	3200	CP41	FKK	400	216	BDTH	C	2020.00	12	17
2000	240	G38	CP41 FKK 240V	88488	54 000	3200	CP41	FKK	400	216	BDTH	C	2066.90	12	17
2500	230-240	G38	CP94 230-240V	88502	67 500	3200	CP94	–	400	210	BDTH	C	2507.19	12	27
3000	230-240	G38	HX48 230-240V	88874	82 000	3200	HX48	–	400	210	BDTH	C	2922.00	12	28
1000	120	E40	DKZ/DSE Q1000	19926	28 000	3200	–	DSE	750	330	U	C	995.43	10	20
2000	120	E40	BWF-Q2000/4CL 120V	88611	54 000	3200	–	BWF	500	191	BDTH	C	2134.31	6	20
2000	230-240	E40	CP59 230-240V	88512	16 500	3200	–	–	100	191	U	C	1959.30	1	29
1000	120	P40s	BVV-Q1MT7/4CL/MP	88631	28 500	3200	–	BVV	200	184	BDTH	C	1043.46	6	20
1000	120	P40s	BVT-Q1MT7/CL/MP 120V	88608	24 500	3050	–	BVT	500	184	BDTH	C	1051.41	6	30
2000	120	P40s	BVW-Q2MT10/4CL/MP	88609	59 000	3200	–	BVW	350	215	BDTH	C	2134.31	6	20
2000	230-240	P40s	CP53 230-240V	88532	54 000	3200	CP53	–	400	200	BDTH	C	2066.04	12	31

* While stock lasts

Specialty Lamps / Entertainment Lamps

Theatre and other applications

Double Ended Quartzline®

Model	Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty
1	500	120	R7s	TU FDN Q500T3/4	23734	12 800	3200	P2/31	FDN	400	119	BDTH	C	545.90	12
1	500	120	R7s	TU FDF Q500T3/4CL	23735	13 250	3200	P2/30	FDF	400	119	BDTH	C	543.56	12
1	625	230	R7s	TU P2/10 Q625T3/4CL 220/230V	19697	16 900	3200	P2/10	–	300	189	HOR±15°	C	651.43	12
1	625	240	R7s	TU P2/10 Q625T3/4CL 240/250V	19698	16 900	3200	P2/10	–	300	189	HOR±15°	C	621.29	12
2	650	120	R7s	FAD Q650T4/CL P2/6	30325	16 500	3200	P2/6	FAD	100	80	U	C	675.27	24
3	750	120	R7s	TU EMD Q750T3/4	23755	19 500	3200	–	EMD	400	119	U	C	814.39	12
3	750	120	R7s	TU EJG Q750T3/4CL	23756	20 600	3200	–	EJG	400	119	HOR±15°	C	815.07	12
2	800	240	R7s	DXX 800-T4-4CL 240V	36953	21 400	3200	P2/13	DXX	75	80	U	C	788.20	24
4	800	240	R7s	TU P2/11 EME Q800T3/4CL 240V	23760	22 000	3200	P2/11	EME	150	119	HOR±15°	C	826.06	12
5	800	240	R7s	TU P2/11 EMF Q800T3/4	23761	21 400	3200	P2/11	EMF	150	119	HOR±15°	C	825.38	12
1	1000	120	R7s	DXW	30157	28 000	3200	–	DXW	150	95	U	C	1042.51	24
1	1000	120	R7s	TU FHM Q1000T3/4	23792	27 300	3200	P2/29	FHM	400	119	U	C	1083.85	12
6	1000	120	R7s	TU FFT Q1000T3/1CL	33280	26 400	3200	–	FFT	400	167	U	D	1087.56	12
6	1000	230	R7s	TU P2/7 EKM Q1MT3/4CL 220/230V	20249	28 000	3200	P2/7	EKM	300	189	HOR±15°	C	1013.60	12
6	1000	240	R7s	TU P2/7 EKM Q1MT3/4CL 240/250V	20253	28 000	3200	P2/7	EKM	300	189	HOR±15°	C	1007.20	12
6	1000	120	R7s	TU FCM P2/28 Q1000T3/4CL	23797	28 000	3200	P2/28	FCM	400	119	HOR±15°	C	1081.09	12
1	1250	230	R7s	TU P2/12 Q1250T3/4CL 220/230V	19695*	35 000	3200	P2/12	–	300	189	HOR±15°	C	1286.30	12
1	1250	240	R7s	TU P2/12 Q1250T3/4CL 240/250V	19696	35 000	3200	P2/12	–	300	189	HOR±15°	C	1281.60	12
7	2000	230	R7s	P2/27 FEX 230V	88482	50 000	3200	P2/27	FEX	300	143	HOR±15°	C	1965.54	12
7	2000	240	R7s	P2/27 FEX 240V	88481	50 000	3200	P2/27	FEX	300	143	HOR±15°	C	1975.92	12
7	2000	120	R7s	FEY Q2000 T8/4CL	88629	57 000	3200	P2/27	FEY	400	143	HOR±15°	C	2175.97	12

* While stock lasts

Model	Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	Rated life (h)	Candelas	Beam type	Beam 10%	Beam 50%	MPBC	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty
CSS																		
8	140	85	GY9.5	CSS150/CAP/50	88485	9,000	5000	1 000	–	48	22	30	–	48	VBD±90	A	154.00	10
CSI/CID																		
9	400	100	Special	CSI400 99-0201	88495	32 000	4000±400	500	–	–	–	–	–	55	VBD±90	A	440.00	1
9	400	100	Special	CSI400/G22 99-0202	88412	32 000	4000±400	500	–	–	–	–	–	87	VBD±90	C	440.00	1
10	1000	80	G22	CSI1000/G22 99-02	88494	90 000	4000±400	500	–	–	–	–	–	115	VBD±90	A+	1100.00	1
11	1000	80	G38	CSI1000/PAR64/G38	88514	76 000	3800±500	3 500	–	–	18	6	1,350 000	175	U	C	1100.00	1
11	1000	80	G38	CSI1000/PAR64/HR/G38 99-1422	88513	76 000	3800±500	3 500	–	–	18	6	1,350 000	175	U	C	1100.00	1
12	1000	80	G22	CID1000/G22 99-0222	88493	70 000	5500±400	500	–	–	–	–	–	115	BDTH	A	1100.00	1
13	500	230	GX16d	CP88 – Q500PAR64/MFL 230V	99947	19 500	3200	300	65 000	MFL	32x19	21x10	152.4	152.4	U	D	498.86	6
13	500	240	GX16d	CP88-Q500PAR64/MFL 240V	99948	20 600	3200	300	65 000	MFL	32x19	21x10	152.4	152.4	U	C	498.86	6
13	500	230	ExMogEndPr GX16d	500PAR64/MFL 230V	39411	21 400	2700	2 000	–	MFL	21 X 10	32 x 19	152.4	152.4	U	E	504.90	12

1 2 3 4 5 6 7 8 9 10 11 12 13

Specialty Lamps / Entertainment Lamps

Other applications

Specialist Projector

Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Application	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
100	12	GY6.35	FCR A1/215 12V	14876	3 500	3300	A1/215	FCR	50	–	44	BDTH	B	113.83	100	14
150	24	G6.35	FCS A1/216 24V Q150/G6.35-15	13598	4 500	3300	A1/216	FCS	50	–	51	BDTH	B	166.07	100	15
250	24	G6.35	EHJ A1/223 24V Q250/G -15	14874	9 000	3400	A1/223	EHJ	50	–	57	BDTH	B	273.13	100	15
150	230-240	G6.35	A1/248 230-240V	88492	3 000	–	A1/248	–	50	–	62	BDTH	D	152.55	50	16
300	230-240	G6.35	A1/249 230-240V	88491	7 200	–	A1/249	–	50	–	62	BDTH	C	300.35	50	16
500	230-240	GY9.5	A1/244 230-240V	88460	13 000	–	A1/244	–	75	–	62	BDTH	C	507.25	24	17

Single Ended Tungsten Halogen

Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Application	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
250	24	G6.35	M36 24V 250W GY6.35	88516	5 750	3000	M36	–	2 000	–	58	BDTH	C	270.07	100	18
300	230-240	GY9.5	M38 230-240V	88442	5 000	2900	M38	–	2 000	–	80	BDTH	E	297.52	24	20
300	120	GY9.5	M38 120V	78343*	5 500	2900	M38	–	2 000	–	80*	BDTH	E	322.43	24	19
500	230-240	GY9.5	M40 230-240V	88468	8 500	2900	M40	–	2 000	–	85	BDTH	E	495.25	24	21

* While stock lasts

Multi-Mirror®Quartzline®Projection – MR16

Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Application	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
50	12	GX5.3	ENL	25475	–	3050	–	ENL	4 000	Fibre optics, Enlarger & Printer, Equipment, Colour printer	–	BDTH	B	53.04	10	22
85	13.8	GX5.3	DED 13.8V	43950	–	3150	–	DED	1 000	Microfilm	–	BDTH	C	90.10	20	23
150	20	GX5.3	DDL 20V 150W MR16	43537	–	3150	–	DDL	500	Microfilm	–	BDTH	B	147.87	20	24
150	21	GX5.3	EKE 21V	35200	–	3250	–	EKE	200	8mm projection	–	BDTH	B	159.68	20	25
250	24	GX5.3	ELC A1/259 24V	37462	–	3400	–	ELC	50	16mm, Colour printer	–	BDTH	B	263.37	20	26
250	24	GY5.3	ELC / 500 24V 250W	15377	–	3250	–	ELC500	500	Disco	–	BDTH	B	260.77	20	25
360	82	GY5.3	ENX	41705	–	3300	–	ENX	75	Overhead projection	–	BDTH	B	389.85	10	25
42	10.8	GX5.3	EPT 10.8V	41729	–	2900	–	EPT	8 000	Fibre optics	–	BDTH	B	45.07	20	27

14 15 16 17 18 19 20 21

22 23 24 25 26 27

Specialty Lamps / Entertainment Lamps

Brand cross reference

GE Lighting	Osram	Philips
Discharge —Single Ended Hot Restrike		
CSR125/SE/HR	HMI125W	MSR125/HR
CSR200/SE/HR/UV-C	HMI200W/SE	MSR200/HR
CSR 400SE/HR/UV-C	HMI400W/SE	MSR400/HR
CSR 575/SE/HR/UV-C	HMI575W/SE	MSR575/HR
CSR800/SE/HR/UVC	HMI800W/SEL	–
CSR 1200 SE/HR/UV- C	HMI1200W/SE	MSR1200/HR
CSR 1600/SE/HR/UV-C	–	–
CSR 1800/SE/HR	HMI1800W/SE/XS	–
CSR 2500/SE/HR/UV-C	HMI2500W/SE	MSR2500/HR
CSR 4000SE/HR/UV- C	HMI4000W/SE	MSR4000/HR
CSR 6000/SE/HR/UV-C	HMI6000W/SE	MSR6000/HR
CSR9000/SE/HR	HMI 9000W/ SE	–
CSR12000/SE/HR/ UV-C	HMI12000W/SE	MSR12000/HR
CSR18000/SE/HR	HMI18000W/SE	MSR18000/HR
Discharge —Single Ended Hot Restrike		
CSR1200/DE	HMI1200W/GS	MSI1200
CSR2500/DE	HMI2500W/GS	MSI2500
CSR6000/DE	HMI6000W	MSI6000
CSR12000/DE	HMI12000W/GS	MSI12000
CSR18000/DE	HMI18000W	–
CSR24 000/DE	HMI24 000W/DXS	–
Discharge —Single Ended Cold Start		
CSD 250/2 SE	HSD250/80	MSD250/2
CSR575/2/T/SE	–	–
CSR575/2/SE	HSR575/2	MSR575/2
CSR700/2/SE	HSR700/2	MSR700/2
CSR1200/2/SE	HSR1200/2	MSR1200/2
Discharge —CSR Turn and Lock (TAL)		
CSR700/TAL/PGJX28	HTI 700W/75/P28	MSR 700/2 MiniFastFit
Discharge —Double Ended Hot Restrike		
CSR575/S/DE/70	–	–
CSR575/SS/DE/75	–	–
CSR700/S/DE/60	HTI700W/D4/60	–
CSR700/S/DE/72	HTI700W/D4/75	MSR700/SA/2/DE
CSR1200/S/DE/60	HTI1200W/D7/60	MSR1200/SA/DE
CSR1500/S/DE/60	HTI1500 D7/60	–
Discharge —Double Ended Hot Restrike		
CSR 1200/SA	HTI1200W/SE	MSR1200/SA

Specialty Lamps / Horticulture Lamps

Product overview

230V 250W

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

230V 400W

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

230V 600W

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

230V 750W

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

Single Ended 230V

400V 600W

Lamp volts: 200V
Current: 3.6A
Wattage: 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
Wattage: 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
Wattage: 765W
100 h lumens: 104 000
100 h PAR: 1390 µmole/sec
Packing: 12 or 63

Single Ended 400V

Volts	Current (A)	Wattage (W)	Product Description	Product Code (12 pack)	Product Code (63 pack)	Max Length (mm)	Arc gap (mm)	LCL C (mm)	Diameter (mm)	Cap	100 hour lumens (Lumens)	100 hour PAR (µmole/sec)	Bulb glass	Operating position	Model
230V — E40 Cap															
115	2.7	250	LU250W/PSL/T	88665	N/A	260	64	158	48	E40/45	33 000	430	Hard	Universal	1
110	4.3	420	LU400W/PSL/T	17106	44304	292	87	175	48	E40/45	56 500	710	Hard	Universal	2
115	6.0	615	LU600W/PSL/T	17107	44305	292	125	169	48	E40/45	90 000	1080	Hard	Universal	1
115	7.4	755	LU750W/PSL/T	17108	44306	293	130	178	51	E40/45	112 000	1320	Hard	Universal	3
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	1
200	3.6	620	LU400V/600/PSL/T/EL	63919	63922	292	124.5	169	48	E40/45	85 000	1120	Hard	Universal	4
205	4.4	765	LU400V/750W/PSL/T	43438	43437	293	143	175	51	E40/45	104 000	1390	Hard	Universal	3

Product Description — explanation
For further information check the glossary

LU 400V / 750 / PSL / T / EL

- LU — Lucalox™
- 400V — Lamp voltage
- 750 — Lamp wattage
- PSL — PhotoSynthesis Lamp
- T — Single Ended
- EL — Electronic version

1 2 3 4

Specialty Lamps / Special Solutions Lamps

Product overview

UVC Germicidal T5/T8

Lamp volts: 29 – 155V
Wattage: 4 – 65W
Cap: T5: G5, Fa8
T8: G13
Rated life: 7 000 – 9 000 h
Packing: 24

Black Light T8

Lamp volts: 55V
Wattage: 15W
Cap: G13
Rated life: 7 500 h
Packing: 25

covRguard™ Polylux XLR™

Wattages: 18 – 58W
Colours: White and Cool White
CRI (Ra): 80+
Rated life: 15 000 h
Packing: 25

Health and Safety

UVA Blacklight Biax™

Lamp volts: 60V
Wattage: 9W
Cap: G23
Rated life: 167 h
Packing: 10

UVA Blacklight Biax™ L

Lamp volts: 106V
Wattage: 36W
Cap: 2G11
Rated life: 1 280 h
Packing: 10

Insect Control

Quartz Heat

Lamp volts: 120 – 600V
Wattage: 500 – 3800W
Cap: Slv, R7s, CER
Rated life: 5 000 h
Packing: 6, 12

Airfield

Lamp volts: 6.6A to 120V
Wattage: 30 – 1000W
Cap: Various
Rated life: 30 – 1 000 h
Packing: Various

Industrial Heating

Airfield

Health and Safety

Model	Wattage (W)	Volts	Cap	Product Description	Product Code	Peak Wavelength (nm)	Rated life (h)	Length (mm) min	Length (mm) max	Pack Qty
UVC Germicidal T5/T8										
1	15	49	G13	G15 T8	63607	4.8	9 000	442	444.4	24
1	25	43	G13	G25 T8	63608	7.2	9 000	442	444.4	24
1	30	98	G13	G30 T8	63609	11.3	9 000	899.2	901.6	24
1	55	87	G13	G55 T8 HO	63610	19	9 000	899.2	901.6	24

Model	Wattage (W)	Volts	Cap	Product Description	Product Code	Peak Wavelength (nm)	Rated life (h)	Length (mm) min	Length (mm) max	Pack Qty
Black Light T8										
-	15	55	G13	F15T8/BL 368 *	98447	368	7 500	442.1	444.5	25

* Will be delisted without direct substitute

Insect Control

Model	Wattage (W)	Volts	Cap	Product Description	Product Code	Initial UVA Irradiance (mW/cm²@ 20cm)	Peak Wavelength (nm)	Rated life (h)	Length (mm)	Pack Qty
UVA Blacklight Biax™ — Internal Starter										
2	9	60	G23	F9BX BL G23	42935	440	368	167	440	10
UVA Blacklight Biax™ L — External Starter										
-	36	106	2G11	F36BX BL 2G11	42940	1280	368	1 280	421.8	10

Product Description — explanation
For further information check the glossary

F15T8 / BL 368

- (F) Identifies the lamp as Fluorescent
- (15T8) Identifies the lamp's wattage and diameter
- (BL) Identifies product type

1 2 3 4 5 6 7 8 9

Industrial Heating

Wattage (W)	Volts	Cap	Product Description	Product Code	CCT (K)	Rated life (h)	Length (mm)	Pack Qty	Model
Quartz Heat									
500	120	R7S	QH500T3/CL/7	21787	2400	5 000	220.5	12	3
1000	230-250	Slv	QH1000T3/CL	22357	2400	5 000	351	12	4
1200	144	Slv	QH1200T3/CL	22531	2450	5 000	223.8	12	5
1200	144	Slv	QH1200T3/CL/HT	22532	2450	5 000	223.8	12	6
1600	230-250	R7S	QH1600T3/CL/7	22691	2400	5 000	498.4	12	6
1600	230-250	Slv	QH1600T3/CL	22688	2400	5 000	503	12	7
2000	230-250	Slv	QH2M/T3/CL/HT	22790	2450	5 000	350.8	12	8
2000	230-250	CER	QH2MT3/CL/HT/R	12716	2450	5 000	352.5	12	9
2500	460-500	Slv	QH2500T3/CL	22838	2400	5 000	731	12	6
3650	480	Slv	QH3650/CL/5	10872	2500	5 000	1057	6	6
3800	550-600	Slv	QH3800/CL	22875	2500	5 000	1062	6	6

Airfield

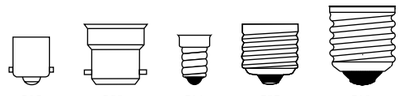
Wattage (W)	Volts	Cap	Product Description	Product Code	Lumen (lm)	Rated life (h)	Length (mm)	Pack Qty	Model
Airfield Lighting									
30	6.6A	Gz9.5 2 Pin	EXL	11478	375	1 000	44.5	24	10
45	6.6A	Gz9.5 2 Pin	EXM	11482	750	1 000	44.5	24	11
45	6.6A	Mycalex cap & Prefocus collar	AF6/2 6.6A 45W	88420	760	600	54	100	12
100	6.6A	Mycalex cap & Prefocus collar	AF 6/5T 6.6A 100W	88417	2 100	600	60	100	13
200	6.6A	Scrw Term	Q6.6A/PAR56/3	33279	NA	1 000	114	12	14
200	6.6A	Mycalex cap & Prefocus collar	AF7/2 6.6A 200W	88413	4 800	600	54	100	15
200	6.6A	D.C.Bay	Q6.6AT4/DCR	23860*	5 150	500	64	12	16
200	6.6A	Special 1" Ribbon Leads	Q6.6A/T4/5CL	23857	5 000	500	76	12	17
300	20A	Mog End Pr GX16d	Q20A/PAR56/C	15482	NA	500	127	12	18
499	20A	Scrw Term	Q20A/PAR56/3	23863	NA	500	114	12	19
1000	120	G38 Mog BiPost	IM T20BP	88525	22 000	500	241	12	20

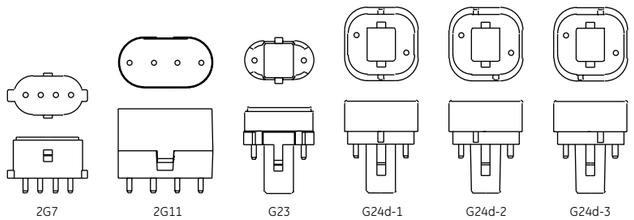
* While stock lasts

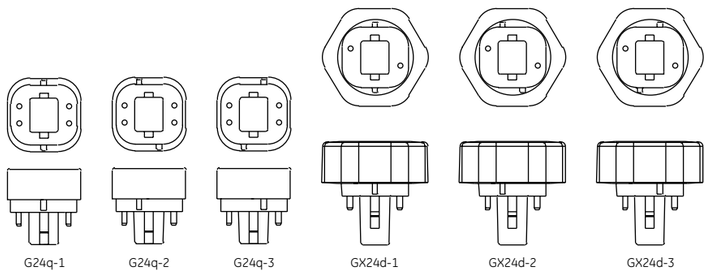
10 11 12 13 14 15 16 17 18 19 20

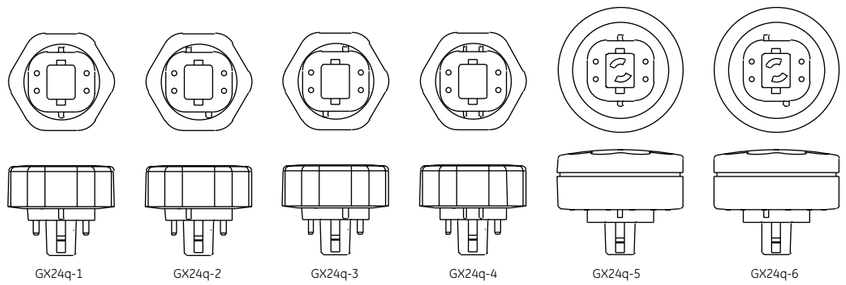
Cap Drawings

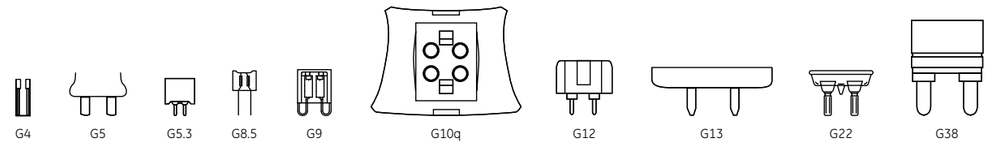
All cap drawings are a guide, if further technical details are required please contact your nearest sales office.

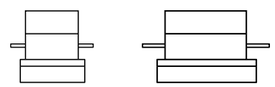


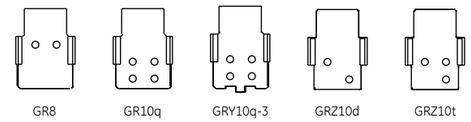


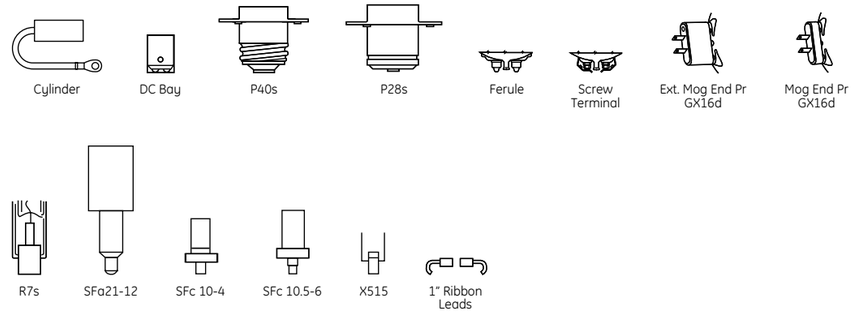












Glossary

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.

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.

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

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).

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 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 bi-pin 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

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

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

C

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.

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.

Centre 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.

Colour Bin
LEDs are often sorted according to their CIE chromaticity coordinates into different groupings or “bins.”

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 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.

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.

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

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 use 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 bear 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.

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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

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)

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.

Electromagnetic Ballast
(See MAGNETIC 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.

Enclosed Fixtures
(See OPEN FIXTURE RATED)

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

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 and 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 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.

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).

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.

Glossary

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-Bay Lighting
Lighting designed for (typically) industrial locations with a ceiling height of 7.5 metres 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 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 vapour 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

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.

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.

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

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.

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 Centre Length (L.C.L.)
The distance between the centre of the filament, or arc tube, and a reference plane - usually the bottom of the lamp base.

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.

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 light source.

Average efficacy of lighting technologies:

Incandescent	2-12
Halogen	5-22
CFL	40-70
Metal Halide	65-110
HPS	70-140
Fluorescent	40-110
LED	40-140

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.

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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).

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 vapour. Phosphor coatings on some lamp types add additional light and improve colour rendering.

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).

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 metre.

O

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 an 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.

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.

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.

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.

S

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).

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.

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).

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.

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.

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.

Glossary

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.

Troffer
A long, recessed lighting unit, usually installed in an opening in the ceiling.

Tungsten-Halogen Lamp
(See HALOGEN LAMP).

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

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

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 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).

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 visible 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.

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