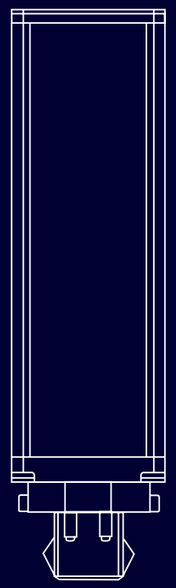
Spectrum

Product catalogue

2017



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.

Date of Issue

July 2017

www.gelighting.com

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Contents

Introduction

True heritage for a brighter future

The GE company turns 125 this year and our history of developing and introducing pioneering lighting technology extends back even further than that.

From the first affordable incandescent lamp (1879) to the first visible light emitting diode (1962), GE Lighting is a company built on technological innovation. Ours in the name behind the world's first energy saving lamp (1913), the first HID mercury lamp (1934), the first fluorescent lamp (1938), the first quartz halogen lamp (1959), and the first coil-shaped compact fluorescent lamp (1974).

Our founder, Thomas Edison, filed 1,093 successful U.S. patent applications and famously said that "Genius is one percent inspiration and ninety-nine percent perspiration." His legacy is clear in the way we work today. We innovate. We take risks. We solve problems. We make things happen.

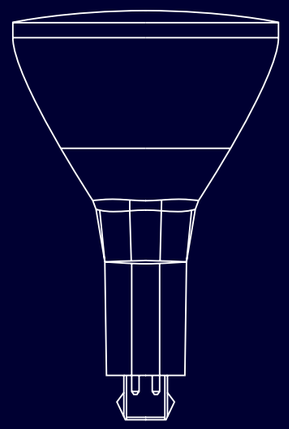
LED solutions for a better world

We have been at the forefront of every significant development in the history of artificial lighting. And just as we took these breakthrough technologies from the laboratory to the world's streets, homes, stores and offices, so too are we doing with LED.

We 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 standardization of design, giving you the confidence of knowing that your investment is protected.

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



Reassurance of proven LED performance

Today, as you will see on the following pages, we are able to offer LED solutions for every need and every application, through our LED Fundamental Fixtures, LED Retrofit solutions, and LED Outdoor solutions.

Complementing the fixtures themselves, we have developed control systems that enable savings and system enhancements through dimming and daylight harvesting. And LED systems are now being used to interact with other technologies, delivering even greater benefit.

The arrival of a comprehensive range of LED lighting technologies and associated control systems is delivering the twin benefits of dramatically improved lighting and a significant reduction in energy consumption.

The vastly superior energy efficiency of LED lamps compared with traditional technologies brings immediate and permanent costs savings of as much as 90%, and a similar reduction in carbon footprint. The superior performance also means fewer luminaires are required. And a high degree of reliability means a longer life and lower maintenance requirements.

GE Lighting – a name you can trust

As you can see, 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 125 years and more.

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

Choose LED solutions from GE Lighting and you have the reassurance of tested and proven technologies delivered by a company committed to customer-focused innovation and world-leading products.

Tower Bridge London

GE SOLUTIONS:
LED Architectural Systems, Flood LED

LED Retrofit

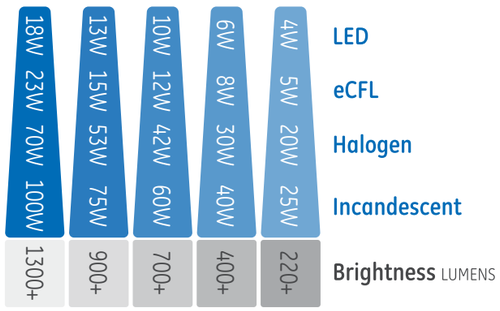
LED lighting solutions for every need and every application

Advances in LED lighting technology have made 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.

For this, our 2017 product catalogue, we have created our most comprehensive portfolio of LED solutions to date, a range that encompasses indoor fixtures for key segments such as office, commercial, retails and more; retrofit solutions that offer easy upgrade paths without the need to invest in new fittings; and outdoor solutions that dramatically improve the quality of street and public lighting while at the same time reducing energy costs.

In short, we now have LED lighting solutions for every need and every application.

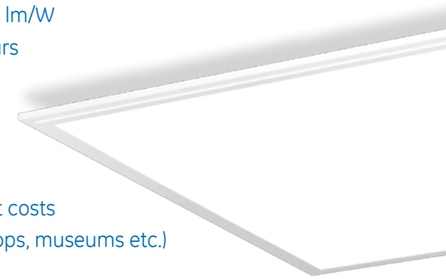
How many lumens do you need?



GE LED Fundamental Fixtures

GE LED Fundamental Fixtures is a comprehensive new range of Indoor LED fixtures, created to satisfy the interior lighting needs of all key market segments.

This newly introduced Indoor LED range includes recessed and suspended panels, downlighters, spotlights, T5 battens, bulkheads, waterproof solutions and high & low bay fixtures in various sizes. These fixtures offer quick, easy and cost effective upgrade paths across all major vertical market areas including office, commercial buildings, retail, hospitality and industrial.



- Energy efficient solutions – up to 130 lm/W
- Long life products – up to 60 000 hours
- Good colour reproduction (80+ CRI)
- Uniform light distribution
- Outstanding product reliability
- Easy installation and operation
- Reduced maintenance / replacement costs
- No IR or UV radiation (suitable for shops, museums etc.)

UP TO 90% GREATER ENERGY EFFICIENCY

REDUCED CO_2 EMISSIONS VS. OLDER TECHNOLOGIES

QUICK AND EASY INSTALLATION

GE LED Retrofit solutions

As its name suggests, the GE LED Retrofit Solutions offer an instant upgrade from incandescent, compact fluorescent and halogen lamps, fitting straight into existing fittings. This comprehensive range of LED lamps opens the door to the benefits of this technology – outstanding performance, long life and low energy use – without the need to invest in new fittings, resulting rapid payback.

- Instant fit, instant light, instant upgrade
- Economical and environmentally friendly
- Energy savings up to 90% vs. traditional technologies
- Superior colour quality with CRI up to 90
- Available for directional and non-directional applications
- Many with full dimming capability
- Reduced maintenance costs for improved ROI

GE LED Outdoor solutions

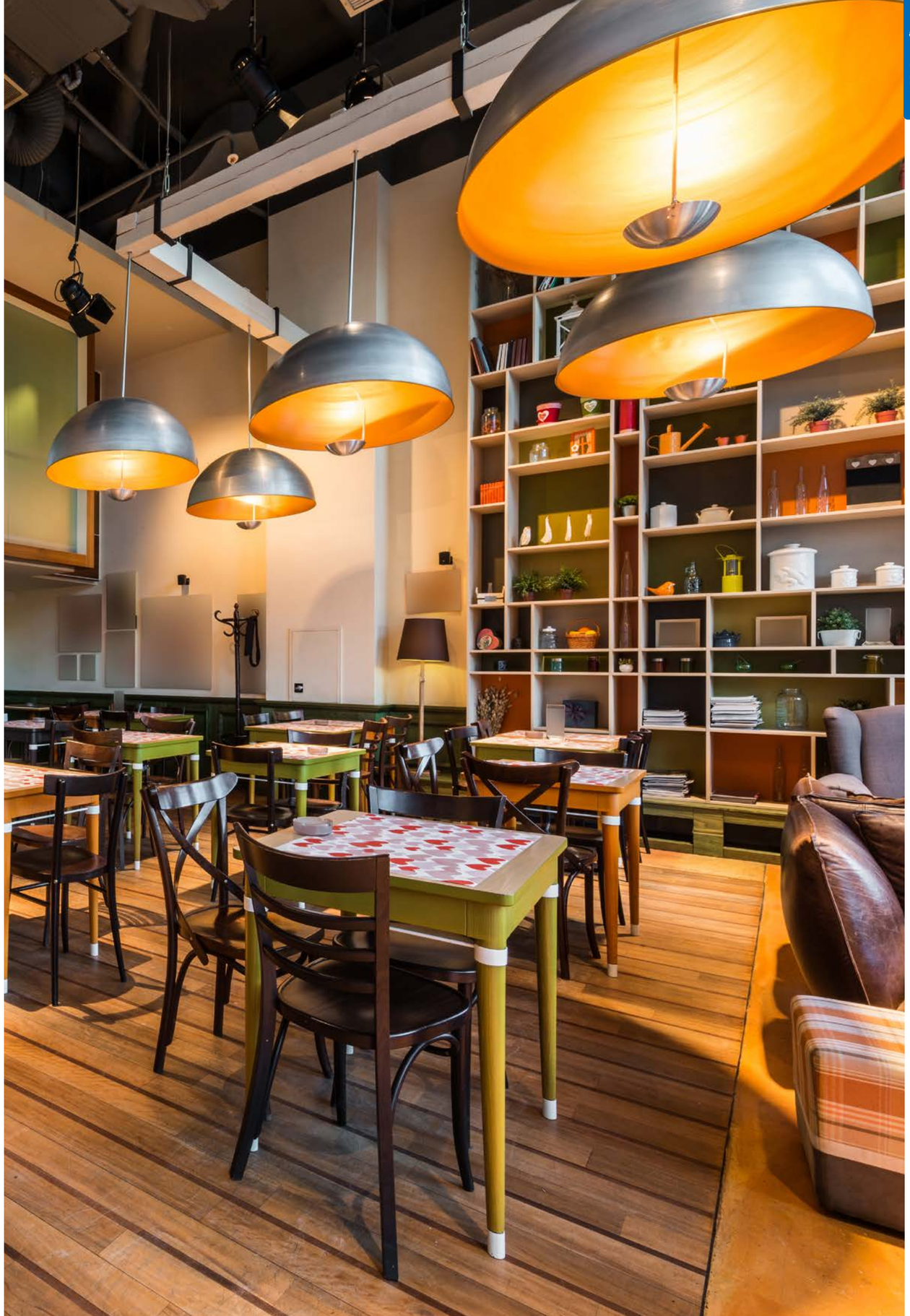
GE Lighting's LED Outdoor solutions deliver a light closer to natural daylight than the yellow lamps of the past. The latest LED lighting solutions provide an ideal upgrade path for public bodies looking to reduce energy costs and environmental impact. LED can make striking aesthetic improvements to landscapes and cityscapes.

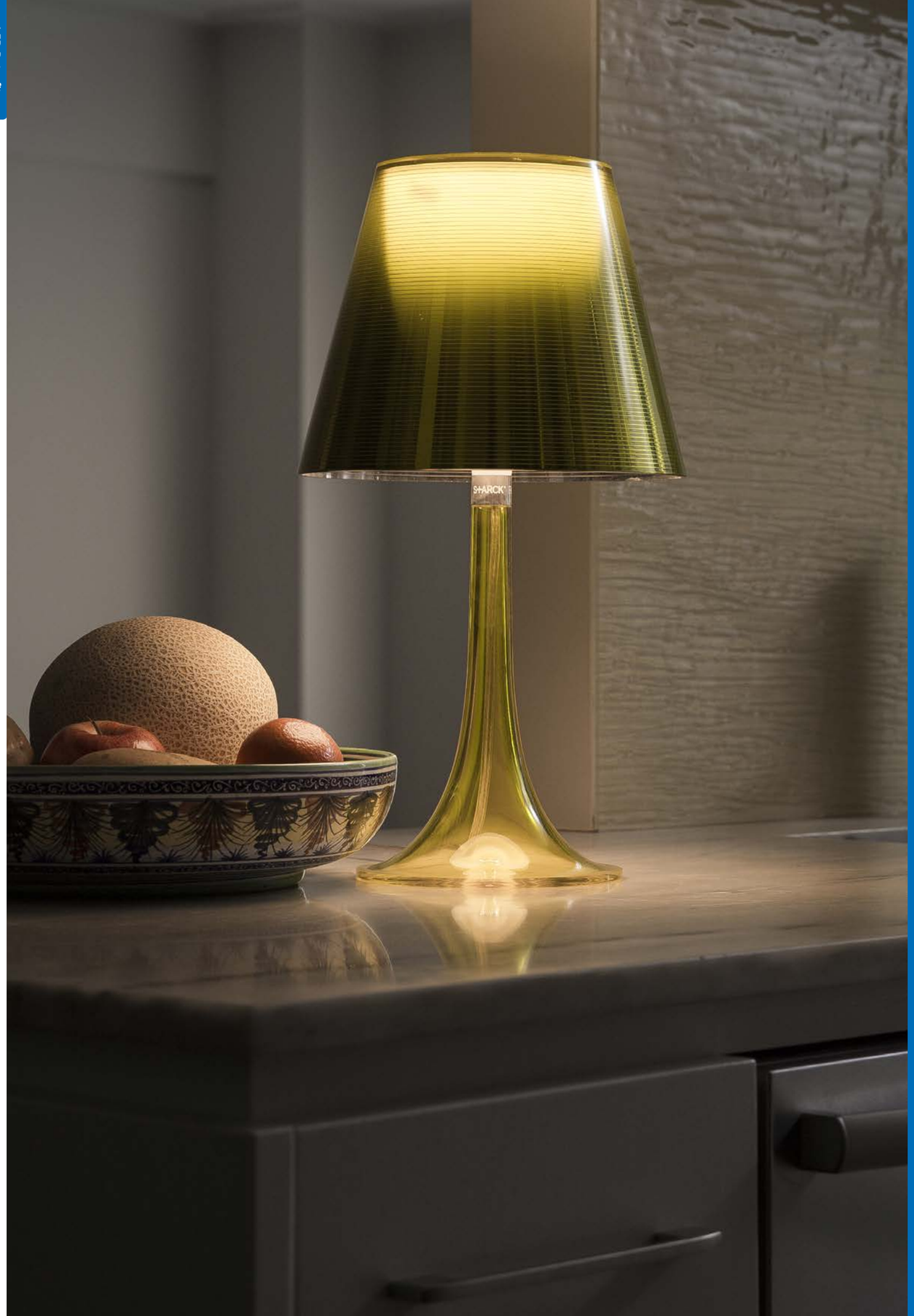
- Increased sense of comfort and security
- Streets and car parks are better illuminated
- Enhanced CCTV through better facial recognition
- Improved road safety – better peripheral vision = faster responses
- Up to 70% greater energy efficiency
- Longer life and reduced maintenance requirements
- Enhanced control/dimming capabilities for more cost savings
- Colours are more vivid and more real in public areas

Aesthetics, economy and sustainability

The vastly superior energy efficiency of LED lamps (vs. traditional technologies) brings immediate cost savings of up to 90%, and a similar reduction in carbon footprint. Furthermore, the outstanding reliability of LED means a longer life, lower maintenance requirements and reduced relamping costs.

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





LED Retrofit

LED Retrofit Solutions

LED Retrofit Solutions

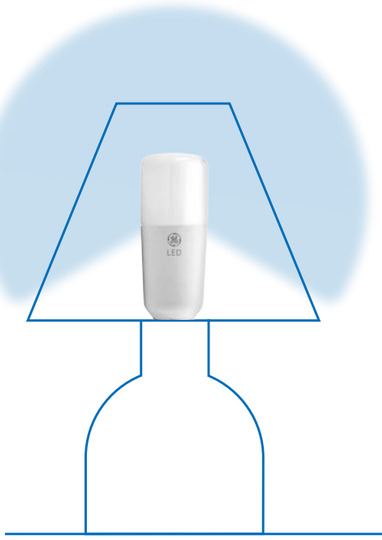
The game-changing impact of LED

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.



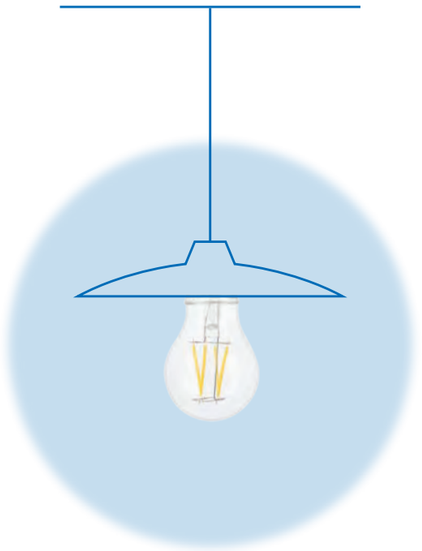
- Easy installation
- Energy savings up to 90% vs. traditional technologies
- Long life – up to 50 000 hours
- Low maintenance/replacement costs
- Future proof modular options
- Instant light, no warm-up time

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 T O 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 a wide variety of plastic and glass design options compatible with electronic or magnetic gears, 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, 1500 and 1800mm 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

Retrofit LED replacements for 2D and 2 Pin/4 Pin Plug-in CFL lamps

Our LED Plug-in range consists of 2D lamps, 2 Pin Plug-in lamps and 4 Pin Plug-in lamps, enabling plug-and-play replacement of CFL equivalents without the need for tools.

GE LED Plug-in replacement lamps offer up to 3x the life of an average CFL and use less than half the energy, delivering a more uniform light that is ideal for retail, hospitality and commercial applications. 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, these products offer an extremely attractive and easy upgrade option.

Significant cost savings

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

Long life, low maintenance

- Up to 3x longer life vs. average CFL
- Up to 50 000 hours rated life (L70)

Reliable, high quality light

- Instant on, no flicker
- Excellent colour rendering CRI 80+
- Colour options 2700/3000/3500/4000/6500K

Quick and easy installation

- For 2D lamps with GR8 or GR10q socket, or Plug-in lamps with G24d, G24q-2 or G24q-3 CFL socket
- No installation tools required
- Rotatable base to adjust lamp into perfect position

Environmentally friendly solutions

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

LED Retrofit Solutions

LED Mercury

The LED Mercury lamps from GE offer safe, reliable and affordable energy saving alternative to low efficiency 80W and 125W HID Mercury installations.

LED Mercury lamp provides 2x the life of an average HID Mercury lamp and consumes only 35W to deliver upto 75% energy saving. With the classic shape and optimized light distribution customers can experience high quality LED solution for their existing fixtures.

Plug and Play retrofit LED solution to replace existing HID Mercury installations

UP TO 75% ENERGY SAVING

DIRECT RETROFIT SOLUTION

HIGH EFFICIENCY OF 137LM/W AND UNIFORM LIGHT DISTRIBUTION

Grosvenor House Dubai

GE SOLUTIONS:
LED Precise™ MR16, LED drivers

LED Retrofit Solutions

Product overview

Energy Smart™ | Start | BrightStik™, LED Glass

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: 15 000 h

Bright Stik™ and E14
Cap: E27, B22, E14
Wattage: 6W, 7W, 10W, 12W, 16W
Voltage: 100 – 240V
Rated life: 10 000 h and 15 000 h

ECO Snowcone
Cap: E27, B22
Wattage: 5W, 7W, 10W
Voltage: 220 – 240V
Rated life: 10 000 h

LED Glass
Cap: E27
Wattage: 4.5W, 8W
Voltage: 220 – 240V
Rated life: 8 000 h

LED GLS

Energy Smart™ | Start

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 Candle

Energy Smart™ | Start

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

LED Spherical and Globe

LED Retrofit

LED Filament

Filament GLS
Cap: E27
Wattage: 4 – 6.5W
Voltage: 220 – 240V
Rated life: 10 000 h

Filament Globe
Cap: E27
Wattage: 4 – 6.5W
Voltage: 220 – 240V
Rated life: 10 000 h

Filament Spherical
Cap: E27, B22, E14
Wattage: 2.5 – 4W
Voltage: 220 – 240V
Rated life: 10 000 h

Filament Candle
Cap: E27, B22, E14
Wattage: 2.5 – 4W
Voltage: 220 – 240V
Rated life: 10 000 h

LED Filament

Energy Smart™

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

LED Pygmy, Capsules

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, 7W
Voltage: 220 – 240V
Beam Spread: 35°, 60°
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 GU10

Precise™ MR16 Dimmable
Cap: GU5.3
Wattage: 7W
Voltage: 12V
Beam Spread: 15°, 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

Start MR16
Cap: GU5.3
Wattage: 4
Voltage: 12V
Beam Spread: 35°
Rated life: 15 000 h

LED MR16

LED Retrofit Solutions

Product overview

Precise™	Energy Smart™	Start

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: 25 000 h

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 R63

Cap: E27
Wattage: 8W
Voltage: 220 – 240V
Beam Spread: 120°
Rated life: 15 000 h

Precise™ R63/PAR20 Dimmable

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

Start R80

Cap: E27
Wattage: 10W
Voltage: 220 – 240V
Beam Spread: 120°
Rated life: 15 000 h

LED PAR

Premium Plastic	Value Glass	Start Glass

LED T8 Plastic High Frequency (ECG)

Cap: G13
Wattage: 9W, 18W, 25W
Op. Frequency: 25 000-85 000Hz
Rated life: 50 000 h

LED T8 Glass Rotatable (CCG/Mains)

Cap: G13 Rot
Wattage: 10W, 18W, 27W
Voltage: 100 - 240V
Op. Frequency: 50/60 Hz
Rated life: 40 000 h

LED T8 Start Glass (CCG/Mains)

Cap: G13
Wattage: 8W, 16W, 27W
Voltage: 100 - 240V
Op. Frequency: 50/60 Hz
Rated life: 20 000 h

LED T8 Premium Plastic Rotatable (CCG/Mains)

Cap: G13 ROT
Wattage: 10W, 18W, 27W
Voltage: 100 - 240V
Op. Frequency: 50/60 Hz
Rated life: 50 000 h

LED T8 Glass (CCG/Mains)

Cap: G13
Wattage: 8W, 14,5W, 18W, 27W, 30W
Voltage: 100 - 240V
Op. Frequency: 50/60 Hz
Rated life: 40 000 h

LED T8 Tube

LED Plug-ins and LED Mercury

LED 2D

Cap: GR8, GR10q
Wattage: 6.5W, 12.5W
Rated life: 40 000 h
Position: Universal

LED 4 pin Plug-in*

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

LED 4 pin Plug-in*

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

LED 4 pin Plug-in Gen2*

Cap: G24q-2, G24q-3
Wattage: 7.5W, 10W
Rated life: 50 000 h
Position: Horizontal

LED 2 pin Plug-in*

Cap: G24d
Wattage: 10.5W
Rated life: 50 000 h
Position: Horizontal

LED Mercury

Cap: E27
Wattage: 35W
Rated life: 40 000 h
Position: Universal

* LED 2D and Plug-in lamps can't be operated directly from Mains voltage, a CFL ballast is needed

LED Plug-in

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
Bright Stik™															
Single pack															
1	10	60	E27	LED10/STIK/830/100-240/E27/F 1/15	93024033	810	3000	No	240	80	15 000	A+	37	116	15
1	10	60	E27	LED10/STIK/840/100-240/E27/F 1/15	93032233	810	4000	No	240	80	15 000	A+	37	116	15
1	10	60	E27	LED10/STIK/865/100-240/E27/F 1/15	93024034	810	6500	No	240	80	15 000	A+	37	116	15
1	12	75	E27	LED12/STIK/830/100-240/E27/F 1/15	93038839	1 055	3000	No	240	80	15 000	A+	45	136	15
1	12	75	E27	LED12/STIK/840/100-240/E27/F 1/15	93038840	1 055	4000	No	240	80	15 000	A+	45	136	15
1	12	75	E27	LED12/STIK/865/100-240/E27/F 1/15	93038841	1 055	6500	No	240	80	15 000	A+	45	136	15
1	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
1	16	100	E27	LED16/STIK/840/100-240/E27/F 1/15	93038843	1 521	4000	No	240	80	15 000	A+	45	136	15
1	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
Multi pack															
1	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
2	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
1	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
1	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
2	10	60	B22	LED10/STIK/830/100-240/B22/F 3/15	93023171	810	3000	No	240	80	15 000	A+	37	116	15
1	10	60	E27	LED10/STIK/830/100-240/E27/F 3/15	93023173	810	3000	No	240	80	15 000	A+	37	116	15
1	10	60	E27	LED10/STIK/840/100-240/E27/F 3/15	93023172	810	4000	No	240	80	15 000	A+	37	116	15
1	10	60	E27	LED10/STIK/865/100-240/E27/F 3/15	93023110	810	6500	No	240	80	15 000	A+	37	116	15
2	12	75	B22	LED12/STIK/830/100-240/B22/F 2/10	93038719	1 055	3000	No	240	80	15 000	A+	45	136	10
1	12	75	E27	LED12/STIK/830/100-240/E27/F 2/10	93038722	1 055	3000	No	240	80	15 000	A+	45	136	10
1	12	75	E27	LED12/STIK/840/100-240/E27/F 2/10	93038720	1 055	4000	No	240	80	15 000	A+	45	136	10
1	12	75	E27	LED12/STIK/865/100-240/E27/F 2/10	93038721	1 055	6500	No	240	80	15 000	A+	45	136	10
2	16	100	B22	LED16/STIK/830/100-240/B22/F 2/10	93023112	1 521	3000	No	240	80	15 000	A+	45	136	10
1	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
1	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
1	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
Bright Stik™ - E14															
Single pack															
3	7	45	E14	LED 7/STIK/830/100-240/E14/F 1/15	93047729	550	3000	No	240	80	10 000	A+	32	103	15
3	7	48	E14	LED 7/STIK/840/100-240/E14/F 1/15	93047727	600	4000	No	240	80	10 000	A+	32	103	15
3	7	48	E14	LED 7/STIK/865/100-240/E14/F 1/15	93047728	600	6500	No	240	80	10 000	A+	32	103	15
Multi pack															
3	7	45	E14	LED 7/STIK/830/100-240/E14/F 3/15	93047281	550	3000	No	240	80	10 000	A+	32	103	15
3	7	48	E14	LED 7/STIK/840/100-240/E14/F 3/15	93047524	600	4000	No	240	80	10 000	A+	32	103	15
3	7	48	E14	LED 7/STIK/865/100-240/E14/F 3/15	93048805	600	6500	No	240	80	10 000	A+	32	103	15

Product Description - explanation
For further information check the glossary

LED 7 A60 8 65 100-240V E27 F

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

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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)	EEC	Diameter (mm)	Length (mm)	Pack Qty	Model
Start - GLS Snowcone															
7	40	B22	LED 7/A60/827/100-240V/B22/F HBX1/6	93039073	470	2700	No	180	80	15 000	A+	60	109	6	4
7	40	E27	LED 7/A60/827/100-240V/E27/F HBX1/6	93039072	470	2700	No	180	80	15 000	A+	60	109	6	5
10	60	B22	LED10/A60/827/100-240V/B22/F HBX1/6	93039071	810	2700	No	180	80	15 000	A+	60	109	6	4
10	60	E27	LED10/A60/827/100-240V/E27/F HBX1/6	93039070	810	2700	No	180	80	15 000	A+	60	109	6	5
11	75	B22	LED11/A60/827/100-240V/B22/F HBX1/6	93038712	1 055	2700	No	180	80	15 000	A+	60	109	6	6
11	75	E27	LED11/A60/827/100-240V/E27/F HBX1/6	93039069	1 055	2700	No	180	80	15 000	A+	60	109	6	7
16	100	B22	LED16/A67/827/100-240V/B22/F HBX1/6	93036959	1 521	2700	No	180	80	15 000	A+	67	139	6	6
16	100	E27	LED16/A67/827/100-240V/E27/F HBX1/6	93036935	1 521	2700	No	180	80	15 000	A+	67	141	6	7
Start - ECO Snowcone															
5	33	B22	LED 5/A60/830/220-240V/B22/BX ECO	93057915	350	3000	No	180	80	10 000	A+	60	109	6	4
5	33	E27	LED 5/A60/830/220-240V/E27/BX ECO	93043186	350	3000	No	180	80	10 000	A+	60	109	6	5
5	36	B22	LED 5/A60/865/220-240V/B22/BX ECO	93058236	400	6500	No	180	80	10 000	A+	60	109	6	4
5	36	E27	LED 5/A60/865/220-240V/E27/BX ECO	93043191	400	6500	No	180	80	10 000	A+	60	109	6	5
7	45	B22	LED 7/A60/830/220-240V/B22/BX ECO	93058237	550	3000	No	180	80	10 000	A+	60	109	6	4
7	45	E27	LED 7/A60/830/220-240V/E27/BX ECO	93043187	550	3000	No	180	80	10 000	A+	60	109	6	5
7	48	B22	LED 7/A60/865/220-240V/B22/BX ECO	93058238	600	6500	No	180	80	10 000	A+	60	109	6	4
7	48	E27	LED 7/A60/865/220-240V/E27/BX ECO	93043188	600	6500	No	180	80	10 000	A+	60	109	6	5
10	57	B22	LED10/A60/830/220-240V/B22/BX ECO	93058239	750	3000	No	180	80	10 000	A	60	109	6	4
10	57	E27	LED10/A60/830/220-240V/E27/BX ECO	93043189	750	3000	No	180	80	10 000	A	60	109	6	5
10	60	B22	LED10/A60/865/220-240V/B22/BX ECO	93058240	800	6500	No	180	80	10 000	A	60	109	6	4
10	60	E27	LED10/A60/865/220-240V/E27/BX ECO	93043190	800	6500	No	180	80	10 000	A	60	109	6	5
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	4
7	40	E27	LED 7D/GLS OMNI/827/220-240V/E27 HBX	93010067	470	2700	Yes	240	80	25 000	A+	60	109	6	5
11	60	B22	LED11D/GLS OMNI/827/220-240V/B22 HBX	93010312	810	2700	Yes	240	80	25 000	A+	60	108	6	4
11	60	E27	LED11D/GLS OMNI/827/220-240V/E27 HBX	93010267	810	2700	Yes	240	80	25 000	A+	60	109	6	5
14	75	B22	LED14D/GLS OMNI/827/220-240V/B22 HBX	96548	1 100	2700	Yes	255	80	25 000	A+	67	133	6	4
14	75	E27	LED14D/GLS OMNI/827/220-240V/E27 HBX	96547	1 100	2700	Yes	255	80	25 000	A+	67	134	6	5
LED Glass															
4.5	40	E27	LED4.5/A60 GLASS/827/220-240V/E27/F 1/6	93046029	470	2700	No	360	80	8 000	A++	60	106	6	8
8	60	E27	LED8/A60 GLASS/827/220-240V/E27/F 1/6	93046030	810	2700	No	360	80	8 000	A+	60	106	6	8
8	60	E27	LED8/A60 GLASS/840/220-240V/E27/F 1/6	93059798	810	4000	No	360	80	8 000	A+	60	106	6	8

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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
LED Filament - GLS A60 - Clear and Pearl															
1	4	40	E27	LED4/A60 FIL/827/220-240V/E27 H	93021980	420	2700	No	355	80	10 000	A++	60	115	6
1	5	50	E27	LED5/A60 FIL/827/220-240V/E27 Clear	93046417	590	2700	No	355	80	10 000	A++	60	115	6
1	6.5	57	E27	LED6.5/A60 FIL/827/220-240V/E27 Clear	93046421	760	2700	No	355	80	10 000	A++	60	115	6
2	4	40	E27	LED4/A60 FIL/827/220-240V/E27 Pearl	93046416	460	2700	No	355	80	10 000	A++	60	115	6
2	5	50	E27	LED5/A60 FIL/827/220-240V/E27 Pearl	93046420	590	2700	No	355	80	10 000	A++	60	115	6
2	6.5	57	E27	LED6.5/A60 FIL/827/220-240V/E27 Pearl	93046419	760	2700	No	355	80	10 000	A++	60	115	6
LED Filament - Globe G80 - Clear and Pearl															
3	4	40	E27	LED4/G80 FIL/827/220-240V/E27 Clear	93053090	460	2700	No	355	80	10 000	A++	80	128	6
3	5	50	E27	LED5/G80 FIL/827/220-240V/E27 Clear	93053088	590	2700	No	355	80	10 000	A++	80	128	6
3	6.5	57	E27	LED6.5/G80 FIL/827/220-240V/E27 Clear	93052991	760	2700	No	355	80	10 000	A++	80	128	6
4	4	40	E27	LED4/G80 FIL/827/220-240V/E27 Pearl	93053089	460	2700	No	355	80	10 000	A++	80	128	6
4	5	50	E27	LED5/G80 FIL/827/220-240V/E27 Pearl	93052992	590	2700	No	355	80	10 000	A++	80	128	6
4	6.5	57	E27	LED6.5/G80 FIL/827/220-240V/E27 Pearl	93053091	760	2700	No	355	80	10 000	A++	80	128	57
LED Filament - Candle															
5	2.5	25	B22	LED2.5/B35FIL/827/B22/220-240V/ 1/10	93051682	250	2700	No	355	80	10 000	A++	35	90	10
5	2.5	25	E14	LED2.5/B35FIL/827/E14/220-240V/ 1/10	93051683	250	2700	No	355	80	10 000	A++	35	98	10
5	2.5	25	E27	LED2.5/B35FIL/827/E27/220-240V/ 1/10	93051684	250	2700	No	355	80	10 000	A++	35	90	10
5	4	40	B22	LED4/B35FIL/827/B22/220-240V/ 1/10	93051679	470	2700	No	355	80	10 000	A++	35	90	10
5	4	40	E14	LED4/B35FIL/827/E14/220-240V/ 1/10	93051680	470	2700	No	355	80	10 000	A++	35	98	10
5	4	40	E27	LED4/B35FIL/827/E27/220-240V/ 1/10	93051681	470	2700	No	355	80	10 000	A++	35	90	10
LED Filament - Spherical															
6	2.5	25	B22	LED2.5/P45FIL/827/B22/220-240V/ 1/6	93051673	250	2700	No	355	80	10 000	A++	45	73	6
6	2.5	25	E14	LED2.5/P45FIL/827/E14/220-240V/ 1/6	93051677	250	2700	No	355	80	10 000	A++	45	78	6
6	2.5	25	E27	LED2.5/P45FIL/827/E27/220-240V/ 1/6	93051678	250	2700	No	355	80	10 000	A++	45	73	6
6	4	40	B22	LED4/P45FIL/827/B22/220-240V/ 1/6	93051674	470	2700	No	355	80	10 000	A++	45	73	6
6	4	40	E14	LED4/P45FIL/827/E14/220-240V/ 1/6	93051675	470	2700	No	355	80	10 000	A++	45	78	6
6	4	40	E27	LED4/P45FIL/827/E27/220-240V/ 1/6	93051676	470	2700	No	355	80	10 000	A++	45	73	6
Start - DECO Candle															
7	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
7	5	40	B22	LED5/B38/827/B22/100-240V/FR 1/10	93039438	470	2700	No	-	80	15 000	A+	38	101	10
7	5	40	B22	LED5/B38/840/B22/100-240V/FR 1/10	93039436	470	4000	No	-	80	15 000	A+	38	101	10
7	5	40	E14	LED5/B38/827/E14/100-240V/FR 1/10	93039439	470	2700	No	-	80	15 000	A+	38	112	10
7	5	40	E14	LED5/B38/840/E14/100-240V/FR 1/10	93039145	470	4000	No	-	80	15 000	A+	38	112	10
7	5	40	E27	LED5/B38/827/E27/100-240V/FR 1/10	93039437	470	2700	No	-	80	15 000	A+	38	107	10
7	5	40	E27	LED5/B38/840/E27/100-240V/FR 1/10	93039144	470	4000	No	-	80	15 000	A+	38	107	10

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)	EEC	Diameter (mm)	Length (mm)	Pack Qty	Model
Energy Smart™ - CROWN DECO Candle - Frosted															
4	25	E14	LED4D/B35/827/E14/220-240V/FR 1/10	93030093	270	2700	Yes	240	80	20 000	A+	36	94	10	8
4	25	E27	LED4D/B35/827/E27/220-240V/FR 1/10	93030094	270	2700	Yes	240	80	20 000	A+	36	94	10	9
6	40	E14	LED6D/B38/827/E14/220-240V/FR 1/10	93030252	470	2700	Yes	240	80	20 000	A+	38	112	10	10
6	40	E27	LED6D/B38/827/E27/220-240V/FR 1/10	93030254	470	2700	Yes	240	80	20 000	A+	38	112	10	10
6	40	B22	LED6D/B38/827/B22/220-240V/FR 1/10	93030120	470	2700	Yes	240	80	20 000	A+	38	112	10	10
Energy Smart™ - CROWN DECO Candle - Clear															
4	25	B15	LED4D/B35/827/B15/220-240V/CLS 1/10	93029957	270	2700	Yes	160	80	20 000	A+	36	94	10	8
4	25	B22	LED4D/B35/827/B22/220-240V/CLS 1/10	93030091	270	2700	Yes	160	80	20 000	A+	36	94	10	9
4	25	E14	LED4D/B35/827/E14/220-240V/CLS 1/10	93030092	270	2700	Yes	160	80	20 000	A+	36	94	10	8
4	25	E27	LED4D/B35/827/E27/220-240V/CLS 1/10	93029539	270	2700	Yes	160	80	20 000	A+	36	94	10	9
6	40	B22	LED6D/B38/827/B22/220-240V/CLS 1/10	93030119	470	2700	Yes	160	80	20 000	A+	38	112	10	8
6	40	E14	LED6D/B38/827/E14/220-240V/CLS 1/10	93030251	470	2700	Yes	160	80	20 000	A+	38	112	10	8
6	40	E27	LED6D/B38/827/E27/220-240V/CLS 1/10	93030253	470	2700	Yes	160	80	20 000	A+	38	112	10	8
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	11
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	11
5	40	B22	LED5/P45/827/B22/100-240V/FR 1/6	93039442	470	2700	No	-	80	15 000	A+	45	87	6	11
5	40	E14	LED5/P45/827/E14/100-240V/FR 1/6	93039440	470	2700	No	-	80	15 000	A+	45	92	6	11
5	40	E27	LED5/P45/827/E27/100-240V/FR 1/6	93039441	470	2700	No	-	80	15 000	A+	45	90	6	11
Energy Smart™ - CROWN DECO Spherical - Frosted															
4	25	B22	LED4D/P45/827/B22/220-240V/FR 1/6	93030255	270	2700	Yes	240	80	20 000	A+	42	76	10	11
4	25	E14	LED4D/P45/827/E14/220-240V/FR 1/6	93030257	270	2700	Yes	240	80	20 000	A+	42	76	10	11
4	25	E27	LED4D/P45/827/E27/220-240V/FR 1/6	93030259	270	2700	Yes	240	80	20 000	A+	42	76	10	11
6	40	E14	LED6D/P45/827/E14/220-240V/FR 1/6	93030264	470	2700	Yes	240	80	20 000	A+	45	90	10	11
6	40	E27	LED6D/P45/827/E27/220-240V/FR 1/6	93030266	470	2700	Yes	240	80	20 000	A+	45	90	10	11
Energy Smart™ - CROWN DECO Spherical - Clear															
4	25	E14	LED4D/P45/827/E14/220-240V/CLS 1/6	93030256	270	2700	Yes	160	80	20 000	A+	42	76	10	12
4	25	E27	LED4D/P45/827/E27/220-240V/CLS 1/6	93030258	270	2700	Yes	160	80	20 000	A+	42	76	10	12
6	40	E14	LED6D/P45/827/E14/220-240V/CLS 1/6	93030263	470	2700	Yes	160	80	20 000	A+	45	90	10	12
6	40	E27	LED6D/P45/827/E27/220-240V/CLS 1/6	93030265	470	2700	Yes	160	80	20 000	A+	45	90	10	12
EnergySmart™ - Capsules															
1.6	15	G4	LED1.6/G4/827/12V/BL 1/10	93019426	150	2700	No	240	80	15 000	A+	14	38	10	13
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	13
EnergySmart™ - Pygmy															
1.6	15	E14	LED1.6/T25/827/100-240V/E14/F TWBL 2/10	93022938	140	2700	No	-	80	15 000	A++	25	59	10	14
1.6	15	E14	LED1.6/T25/865/100-240V/E14/F BL 1/10	93046028	150	6500	No	-	80	15 000	A++	25	59	10	14

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
Start - GU10 & R50															
1	3	35	GU10	LED3/GU10/827/100-240V/35/BX 1/8	93031285	230	2700	No	35	80	12 000	A++	50	54	8
1	3	35	GU10	LED3/GU10/830/100-240V/35/BX 1/8	93031289	240	3000	No	35	83	12 000	A++	50	54	8
1	3	35	GU10	LED3/GU10/840/100-240V/35/BX 1/8	93031288	250	4000	No	35	83	12 000	A++	50	54	8
1	3	35	GU10	LED3/GU10/827/100-240V/35/TWBX	93034626	230	2700	No	35	80	12 000	A++	50	54	12
1	3	35	GU10	LED3/GU10/827/100-240V/35/BL 1/8	93031284	230	2700	No	35	80	12 000	A++	50	54	8
2	3	35	GU10	LED3/R50/827//E14/100-240V/35/BX1/8	84609	230	2700	No	35	80	12 000	A++	50	54	8
3	3	35	GU10	LED3/GU10/865/100-240V/35 BX 1/8	93054628	240	6500	No	35	83	12 000	A++	50	54	8
3	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
3	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
3	4.5	50	GU10	LED4.5/GU10/827/100-240V/35 3/12	93061082	345	2700	No	35	80	12 000	A+	50	54	12
3	4.5	50	GU10	LED4.5/GU10/830/100-240V/35/BX 1/8	93031290	360	3000	No	35	83	12 000	A+	50	54	8
3	4.5	50	GU10	LED4.5/GU10/840/100-240V/35/BX 1/8	93031411	365	4000	No	35	86	12 000	A++	50	54	8
3	4.5	50	GU10	LED4.5/GU10/865/100-240V/35 BX 1/8	93054627	360	6500	No	35	83	12 000	A+	50	54	8
Energy Smart™ - GU10 & R50															
4	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
4	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
4	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
4	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
5	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
6	3.5	40	E27	LED3.5D/P16G/827/E27/100-240V/35BX1/8 ES	93010611	240	2700	Yes	35	80	25 000	A+	50	72	8
4	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
4	5.5	50	GU10	LED5.5D/GU10G/830/220-240V/35/BX 1/8	84620	380	3000	Yes	35	80	25 000	A+	50	54	8
4	5.5	50	GU10	LED5.5D/GU10G/840/220-240V/35/BX 1/8 ES	84622	400	4000	Yes	35	80	25 000	A+	50	54	8
7	7	50	GU10	LED7D/GU10/830/220-240V/35/BX 1/8ES	93061056 *	500	3000	Yes	35	80	25 000	A+	50	53.5	8
7	7	50	GU10	LED7D/GU10/830/220-240V/60/BX 1/8ES	93061057 *	450	3000	Yes	60	80	25 000	A+	50	53.5	8
7	7	50	GU10	LED7D/GU10/840/220-240V/35/BX 1/8ES	93061058 *	500	4000	Yes	35	80	25 000	A+	50	53.5	8
7	7	50	GU10	LED7D/GU10/840/220-240V/60/BX 1/8ES	93061059 *	450	4000	Yes	60	80	25 000	A+	50	53.5	8
Precise™ - GU10															
8	6	50	GU10	LED6D/GU10G/927/220-240V/FL BX 1/10H PR	93040548	400	2700	Yes	25	90.0	50 000	A+	50.2	54	10
8	6	50	GU10	LED6D/GU10G/927/220-240V/WFL BX 1/10H PR	93040549	400	2700	Yes	35	90.0	50 000	A+	50.2	54	10
8	6	50	GU10	LED6D/GU10G/930/220-240V/FL BX 1/10H PR	93040550	420	3000	Yes	25	90.0	50 000	A+	50.2	54	10
8	6	50	GU10	LED6D/GU10G/930/220-240V/WFL BX 1/10H PR	93040551	420	3000	Yes	35	90.0	50 000	A+	50.2	54	10
8	6	50	GU10	LED6D/GU10G/940/220-240V/FL BX 1/10H PR	93040552	440	4000	Yes	25	90.0	50 000	A+	50.2	54	10
8	6	50	GU10	LED6D/GU10G/940/220-240V/WFL BX 1/10H PR	93040554	440	4000	Yes	35	90.0	50 000	A+	50.2	54	10

* will be available on September 2017

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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)	EEC	Diameter (mm)	Length (mm)	Pack Qty	Model
Start - MR16															
4	35	GU5.3	LED4/MR16/827/12V/GU5.3/35 BX1/8ST	93061069 *	350	2700	No	35	80	15 000	A+	50	45	8	9
4	35	GU5.3	LED4/MR16/830/12V/GU5.3/35 BX1/8ST	93061070 *	350	3000	No	35	80	15 000	A+	50	45	8	9
4	35	GU5.3	LED4/MR16/840/12V/GU5.3/35 BX1/8ST	93061071 *	360	4000	No	35	80	15 000	A+	50	45	8	9
Energy Smart™ - MR16															
5.5	35	GU5.3	LED5.5/MR16/827/12V/GU5.3/WFL BX 1/8	93040553	380	2700	No	35	80	25 000	A+	50	47.35	8	10
5.5	35	GU5.3	LED5.5/MR16/830/12V/GU5.3/WFL BX 1/8	93040555	400	3000	No	35	80	25 000	A+	50	47.35	8	10
5.5	35	GU5.3	LED5.5/MR16/840/12V/GU5.3/WFL BX 1/8	93040556	430	4000	No	35	80	25 000	A+	50	47.35	8	10
7	50	GU5.3	LED7/MR16/827/12V/GU5.3/WFL BX 1/8	93040557	500	2700	No	35	80	25 000	A+	50	46.5	8	10
7	50	GU5.3	LED7/MR16/830/12V/GU5.3/WFL BX 1/8	93040558	510	3000	No	35	80	25 000	A+	50	46.5	8	10
7	50	GU5.3	LED7/MR16/840/12V/GU5.3/WFL BX 1/8	93040559	550	4000	No	35	80	25 000	A+	50	46.5	8	10
Precise™ - MR16															
7	50	GU5.3	LED7XD/MR16G/827/12V/25 BX 1/8	93048796	470	2700	Yes	25	80	45 000	A+	50	45.5	8	11
7	50	GU5.3	LED7XD/MR16G/827/12V/35 BX1/8	93048335	470	2700	Yes	35	80	45 000	A+	50	45.5	8	11
7	50	GU5.3	LED7XD/MR16G/830/12V/25 BX1/8	93048799	490	3000	Yes	25	80	45 000	A+	50	45.5	8	11
7	50	GU5.3	LED7XD/MR16G/830/12V/35 BX1/8	93048798	490	3000	Yes	35	80	45 000	A+	50	45.5	8	11
7	50	GU5.3	LED7XD/MR16G/840/12V/35 BX1/8	93048797	530	4000	Yes	35	80	45 000	A+	50	45.5	8	11
7	50	GU5.3	LED7XD/MR16G/830/12V/15 BX1/8	93048800	490	3000	Yes	15	80	45 000	A+	50	47.5	8	11
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	12
12	75	G53	LED12/R111/830/12V/G53/35 BX 1/10	11543	730	3000	No	35	80	30 000	A	111	59	10	12
Energy Smart™ - R111 Dimmable															
12	75	G53	LED12D/R111G/827/12V/G53/35 BX 1/10	93012778	720	2700	Yes	35	80	25 000	A	111	57	10	13
12	75	G53	LED12D/R111G/830/12V/G53/35 BX 1/10	93012777	720	3000	Yes	35	80	25 000	A	111	57	10	13
15	100	G53	LED15D/R111G/827/12V/G53/35 BX 1/10	93012749	900	2700	Yes	35	80	25 000	A	111	57	10	13
15	100	G53	LED15D/R111G/830/12V/G53/35 BX 1/10	93012750	900	3000	Yes	35	80	25 000	A	111	57	10	13
Energy Smart™ - PAR38															
15	140	E27	LED15/PAR38G/830/90-240/E27/WFL BX 1/6	93013421	1 200	3000	No	40	81	25 000	A+	122	131	6	14
15	140	E27	LED15/PAR38G/830/90-240/E27/WFL BX 1/6	93044739	1 200	3000	No	40	81	25 000	A+	122	131	6	14
Precise™ - PAR20 and PAR30															
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	15
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	15
12	75	E27	LED12D/P30SG/930/220-240V/35/E27BX1/6	93011167	740	3000	Yes	35	90	40 000	A	93	97	6	16
Start R63 & R80															
8	40	E27	LED8/R63/830/220-240V/120/E27 BX 1/6	93061079 *	600	3000	No	120	80	15 000	A+	63	100	6	17
10	60	E27	LED10/R80/830/220-240V/120/E27 BX 1/6	93061080 *	800	3000	No	120	80	15 000	A+	80	110	6	18

* will be available on September 2017

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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 Plastic - High Frequency (ECG)															
1	9	600	50-110V	G13	LED 9/T8 PHF 2ft/830	93041502	1 100	3000	150	80<	50 000	28	11	A+	10
1	9	600	50-110V	G13	LED 9/T8 PHF 2ft/840	93041503	1 200	4000	150	80<	50 000	28	11	A+	10
1	9	600	50-110V	G13	LED 9/T8 PHF 2ft/865	93041504	1 200	6500	150	80<	50 000	28	11	A+	10
1	18	1200	50-110V	G13	LED 18/T8 PHF 4ft/830	93041505	2 100	3000	150	80<	50 000	28	22	A+	10
1	18	1200	50-110V	G13	LED 18/T8 PHF 4ft/840	93041836	2 300	4000	150	80<	50 000	28	21	A+	10
1	18	1200	50-110V	G13	LED 18/T8 PHF 4ft/865	93041837	2 300	6500	150	80<	50 000	28	21	A+	10
1	25	1500	50-110V	G13	LED 25/T8 PHF 5ft/830	93041838	3 150	3000	150	80<	50 000	28	29	A+	10
1	25	1500	50-110V	G13	LED 25/T8 PHF 5ft/840	93041839	3 400	4000	150	80<	50 000	28	29	A+	10
1	25	1500	50-110V	G13	LED 25/T8 PHF 5ft/865	93041840	3 400	6500	150	80<	50 000	28	29	A+	10
LED T8 Premium Plastic - Rotatable (CCG/Mains)															
2	10	600	100-240V	G13 Rot	LED 10/T8 PPR 2ft/830	93038456	1 080	3000	150	80<	50 000	28	10	A+	10
2	10	600	100-240V	G13 Rot	LED 10/T8 PPR 2ft/840	93038457	1 200	4000	150	80<	50 000	28	10	A+	10
2	10	600	100-240V	G13 Rot	LED 10/T8 PPR 2ft/865	93038459	1 200	6500	150	80<	50 000	28	10	A+	10
2	18	1200	100-240V	G13 Rot	LED 18/T8 PPR 4ft/830	93038469	1 980	3000	150	80<	50 000	28	18	A+	10
2	18	1200	100-240V	G13 Rot	LED 18/T8 PPR 4ft/840	93038458	2 200	4000	150	80<	50 000	28	18	A+	10
2	18	1200	100-240V	G13 Rot	LED 18/T8 PPR 4ft/865	93038473	2 200	6500	150	80<	50 000	28	18	A+	10
2	27	1500	100-240V	G13 Rot	LED 27/T8 PPR 5ft/830	93038472	3 100	3000	150	80<	50 000	28	27	A+	10
2	27	1500	100-240V	G13 Rot	LED 27/T8 PPR 5ft/840	93038471	3 300	4000	150	80<	50 000	28	27	A+	10
2	27	1500	100-240V	G13 Rot	LED 27/T8 PPR 5ft/865	93038470	3 300	6500	150	80<	50 000	28	27	A+	10

LED Retrofit

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 Value Glass - Rotatable (CCG/Mains)															
10	600	100-240	G13 Rot	LED 10/T8 VGR 2ft/830 *	93022322	950	3000	200	80<	40 000	28	10	A+	15	2
10	600	100-240	G13 Rot	LED 10/T8 VGR 2ft/840 *	93022323	1 050	4000	200	80<	40 000	28	10	A+	15	2
10	600	100-240	G13 Rot	LED 10/T8 VGR 2ft/865 *	93022321	1 050	6500	200	80<	40 000	28	10	A+	15	2
18	1200	100-240	G13 Rot	LED 18/T8 VGR 4ft/830 *	93022316	1 850	3000	200	80<	40 000	28	18	A+	15	2
18	1200	100-240	G13 Rot	LED 18/T8 VGR 4ft/840 *	93022317	2 050	4000	200	80<	40 000	28	18	A+	15	2
18	1200	100-240	G13 Rot	LED 18/T8 VGR 4ft/865 *	93022318	2 050	6500	200	80<	40 000	28	18	A+	15	2
27	1500	100-240	G13 Rot	LED 27/T8 VGR 5ft/830 *	93022324	3 000	3000	200	80<	40 000	28	27	A+	10	2
27	1500	100-240	G13 Rot	LED 27/T8 VGR 5ft/840 *	93022326	3 000	4000	200	80<	40 000	28	27	A+	10	2
27	1500	100-240	G13 Rot	LED 27/T8 VGR 5ft/865 *	93022325	3 000	6500	200	80<	40 000	28	27	A+	10	2
LED T8 Value Glass (CCG/Mains)															
8	600	100-240	G13	LED 8/T8 VG 2ft/830 *	93013212	700	3000	200	80<	40 000	28	8	A+	15	2
8	600	100-240	G13	LED 8/T8 VG 2ft/840 *	93013213	800	4000	200	80<	40 000	28	8	A+	15	2
8	600	100-240	G13	LED 8/T8 VG 2ft/865 *	93013214	800	6500	200	80<	40 000	28	8	A+	15	2
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	2
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	2
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	2
18	1500	100-240	G13	LED 18/T8 VG 5ft/830 *	93013354	1 850	3000	200	80<	40 000	28	18	A+	10	2
18	1500	100-240	G13	LED 18/T8 VG 5ft/840 *	93013355	2 050	4000	200	80<	40 000	28	18	A+	10	2
18	1500	100-240	G13	LED 18/T8 VG 5ft/865 *	93013356	2 050	6500	200	80<	40 000	28	18	A+	10	2
27	1500	100-240	G13	LED 27/T8 VG 5ft/830 *	93013234	2 500	3000	200	80<	40 000	28	27	A+	10	2
27	1500	100-240	G13	LED 27/T8 VG 5ft/840 *	93013235	2 700	4000	200	80<	40 000	28	27	A+	10	2
27	1500	100-240	G13	LED 27/T8 VG 5ft/865 *	93013236	2 700	6500	200	80<	40 000	28	27	A+	10	2
30	1800	230-240	G13	LED 30/T8 VG 6ft/830	93040746	3 300	3000	200	80<	40 000	28	27	A+	10	2
30	1800	230-240	G13	LED 30/T8 VG 6ft/840	93040747	3 600	4000	200	80<	40 000	28	27	A+	10	2
30	1800	230-240	G13	LED 30/T8 VG 6ft/865	93040748	3 600	6500	200	80<	40 000	28	27	A+	10	2

* To be upgraded to 50k hrs life, -30°C ...+50°C ambient temperature rating by Q3

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 Start Glass (CCG/Mains)															
8	600	100-240	G13	LED 8/T8 SG 2ft/830	93033886	700	3000	200	80<	20 000	28	8	A+	15	3
8	600	100-240	G13	LED 8/T8 SG 2ft/840	93033881	800	4000	200	80<	20 000	28	8	A+	15	3
8	600	100-240	G13	LED 8/T8 SG 2ft/865	93033880	800	6500	200	80<	20 000	28	8	A+	15	3
16	1200	100-240	G13	LED 16/T8 SG 4ft/830	93033879	1 450	3000	200	80<	20 000	28	16	A+	15	3
16	1200	100-240	G13	LED 16/T8 SG 4ft/840	93033878	1 650	4000	200	80<	20 000	28	16	A+	15	3
16	1200	100-240	G13	LED 16/T8 SG 4ft/865	93033877	1 650	6500	200	80<	20 000	28	16	A+	15	3
27	1500	100-240	G13	LED 27/T8 SG 5ft/830	93033876	2 500	3000	200	80<	20 000	28	27	A+	10	3
27	1500	100-240	G13	LED 27/T8 SG 5ft/840	93033795	2 700	4000	200	80<	20 000	28	27	A+	10	3
27	1500	100-240	G13	LED 27/T8 SG 5ft/865	93033794	2 700	6500	200	80<	20 000	28	27	A+	10	3

1 2 3

Quick guide how to replace existing fluoresence tubes with LED T8 tubes:

- **Fluorescent T8 on High Frequency Electronic Control Gear** (ECG) – No Fluorescent Starter is used > replace with LED T8 Plastic HF
- **Fluorescent T8 on Electromagnetic Conventional Control Gear** (CCG) – Fluorescent Starter is present >
  Option 1. Replace with LED Starter & LED T8 PPR/VGR/VG/SG, or
  Option 2. Remove Fluorescent Starter and refit LED T8 with direct connection to Mains (No Live connection at open end on GE LED T8!)

LED Retrofit Solutions / LED Plug-in

LED 2D

Model	Wattage (W)	Ballast Compatibility	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Beam Angle (°)	CRI (Ra)	Rated life L70 (h)	Size [mm]	Energy Consumption (kWh)	EEC	Pack Qty	Replacement for
1	6.5	magnetic	GR8	LED 2D2P 6.5W/CCG/827/GR8 GE BX1/10	93039469	750	2700	120 x 130	80+	40 000	136 x 132	6.5	A+	10	16W CFL 2D
1	6.5	magnetic	GR8	LED 2D2P 6.5W/CCG/830/GR8 GE BX1/10	93039470	770	3000	120 x 130	80+	40 000	136 x 132	6.5	A+	10	16W CFL 2D
1	6.5	magnetic	GR8	LED 2D2P 6.5W/CCG/835/GR8 GE BX1/10	93039471	800	3500	120 x 130	80+	40 000	136 x 132	6.5	A+	10	16W CFL 2D
1	6.5	magnetic	GR8	LED 2D2P 6.5W/CCG/840/GR8 GE BX1/10	93039475	830	4000	120 x 130	80+	40 000	136 x 132	6.5	A+	10	16W CFL 2D
2	12.5	electronic	GR10q	LED 2D4P 12.5W/ECG/827/GR10q GE BX1/10	93039478 *	1 400	2700	120 x 130	80+	40 000	201 x 188	12.5	A+	10	28W CFL 2D
2	12.5	electronic	GR10q	LED 2D4P 12.5W/ECG/835/GR10q GE BX1/10	93039477 *	1 500	3500	120 x 130	80+	40 000	201 x 188	12.5	A+	10	28W CFL 2D
2	12.5	electronic	GR10q	LED 2D4P 12.5W/ECG/840/GR10q GE BX1/10	93039476 *	1 550	4000	120 x 130	80+	40 000	201 x 188	12.5	A+	10	28W CFL 2D
2	12.5	magnetic	GR10q	LED 2D4P 12.5W/CCG/827/GR10q GE BX1/10	93039473	1 400	2700	120 x 130	80+	40 000	201 x 188	12.5	A+	10	28W CFL 2D
2	12.5	magnetic	GR10q	LED 2D4P 12.5W/CCG/835/GR10q GE BX1/10	93039472	1 500	3500	120 x 130	80+	40 000	201 x 188	12.5	A+	10	28W CFL 2D
2	12.5	magnetic	GR10q	LED 2D4P 12.5W/CCG/840/GR10q GE BX1/10	93039474	1 550	4000	120 x 130	80+	40 000	201 x 188	12,5	A+	10	28W CFL 2D

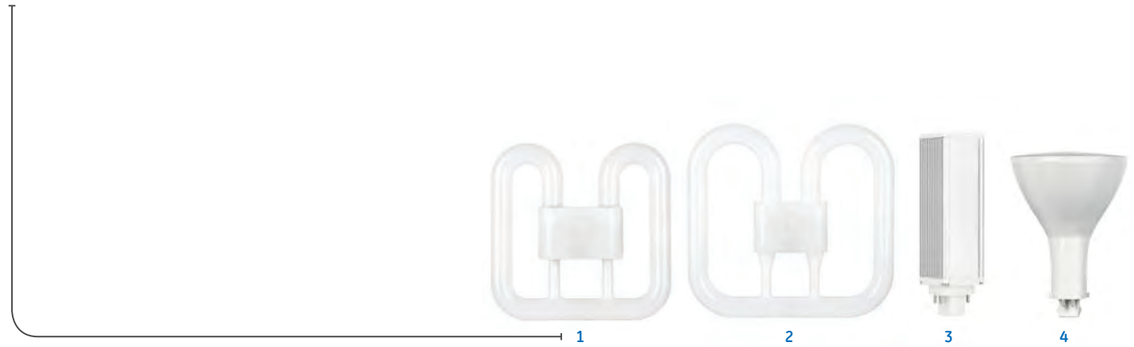
* Visit this website for list of ballasts tested and approved for compatibility: www.gelighting.com/LEDPlugIn-compatibility

LED 4 Pin 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]	Width / Diameter [mm]	Energy Consumption (kWh)	EEC	Pack Qty	Replacement for
3	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	26/32W CFL
3	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	26/32W CFL
3	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	26/32W CFL
3	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	26/32W CFL
4	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	26/32W CFL
4	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	26/32W CFL
4	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	26/32W CFL
4	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	26/32W CFL

* Visit this website for list of ballasts tested and approved for compatibility: www.gelighting.com/LEDPlugIn-compatibility

** - will be phased out



LED 4 Pin Plug-in Gen2 *

Wattage (W)	Burning Position	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Beam Angle (°)	CRI (Ra)	Rated life L70 (h)	Length [mm]	Width / Diameter [mm]	Energy Consumption (kWh)	EEC	Pack Qty	Replacement for	Model
7.5	Horizontal	G24q-2	LED 7.5/G2/G24q-2/4P/H/830 GE BX1/6	93060370	850	3000	110 x 120	80+	50 000	132	34.5	7.5	A+	6	18W CFL	5
7.5	Horizontal	G24q-2	LED 7.5/G2/G24q-2/4P/H/840 GE BX1/6	93060371	880	4000	110 x 120	80+	50 000	132	34.5	7.5	A+	6	18W CFL	5
7.5	Horizontal	G24q-2	LED 7.5/G2/G24q-2/4P/H/865 GE BX1/6	93060372	900	6500	110 x 120	80+	50 000	132	34.5	7.5	A+	6	18W CFL	5
10	Horizontal	G24q-3	LED 10/G2/G24q-3/4P/H/830 GE BX1/6	93060367***	1 150	3000	110 x 120	80+	50 000	132	34.5	10	A+	6	26/32W CFL	5
10	Horizontal	G24q-3	LED 10/G2/G24q-3/4P/H/840 GE BX1/6	93060368***	1 170	4000	110 x 120	80+	50 000	132	34.5	10	A+	6	26/32W CFL	5
10	Horizontal	G24q-3	LED 10/G2/G24q-3/4P/H/865 GE BX1/6	93060369***	1 200	6500	110 x 120	80+	50 000	132	34.5	10	A+	6	26/32W CFL	5

* Visit this website for list of ballasts tested and approved for compatibility: www.gelighting.com/LEDPlugIn-compatibility

*** - product available from Q4

LED 2 Pin Plug-in

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]	EEC	Replacement for	Pack Qty	Model
10.5	Horizontal	G24d	LED 10.5/G24d/2P/H/830 GE BX1/6	93051476	1 050	3000	110 x 120	80+	50 000	165	34.5	10.5	A+	6	13/18/26W CFL	6
10.5	Horizontal	G24d	LED 10.5/G24d/2P/H/840 GE BX1/6	93051477	1 050	4000	110 x 120	80+	50 000	165	34.5	10.5	A+	6	13/18/26W CFL	6
10.5	Horizontal	G24d	LED 10.5/G24d/2P/H/865 GE BX1/6	93051521	1 050	6500	110 x 120	80+	50 000	165	34.5	10.5	A+	6	13/18/26W CFL	6

LED Mercury

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]	EEC	Replacement for	Pack Qty	Model
35	Universal	E27	LED 35W/Mercury/730/E27 GE BX1/6	93038710	4 750	3000	360	70+	40 000	175	76	A+	80/125W HID Mercury	6	7
35	Universal	E27	LED 35W/Mercury/740/E27 GE BX1/6	93038711	4 800	4000	360	70+	40 000	175	76	A++	80/125W HID Mercury	6	7

LED Indoor

Madrid

GE SOLUTIONS:
LED Panel

LED Indoor Solutions

LED Fundamental Fixtures

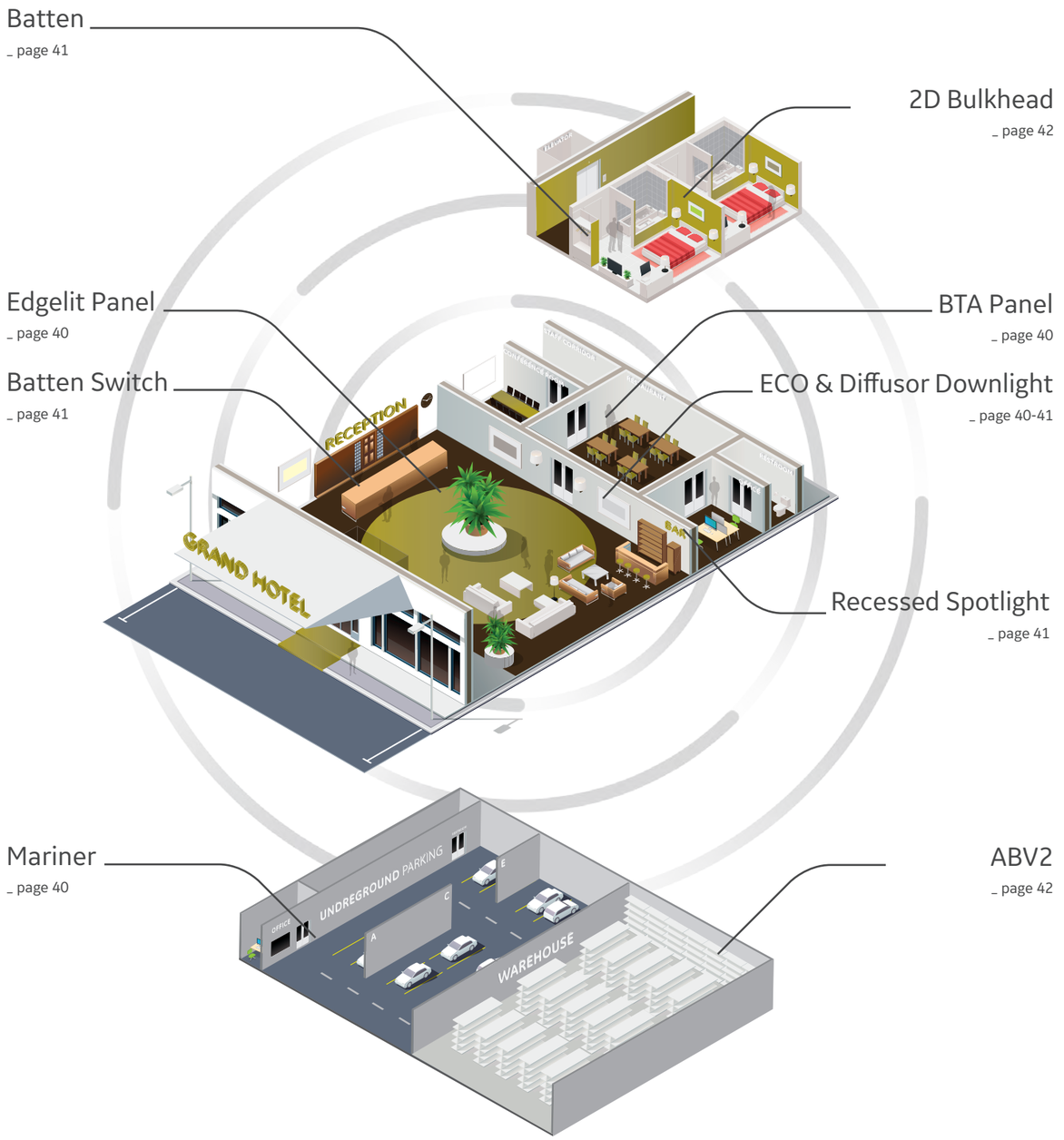
The fundamentals

LED technology has transformed the world of indoor lighting, enabling the design of energy efficient, aesthetically pleasing lighting systems that support greater efficiency, drive increased sales, deliver a safer working environment or simply create the right mood for relaxing. And, as has been the case with every significant development in the history of lighting, we have led the way,

From future-proof modular solutions to innovative new formats, from unique optics to market-leading reliability, we have delivered high quality LED solutions at an affordable price, building on a reputation for reliability and performance that has been established over the last 125 years and more.

Our new LED Fundamental Fixtures portfolio is the latest example of this, a comprehensive range of economical indoor lighting products for just about any and every application and across all market segments:

- Office/commercial buildings
- Retail
- Hospitality
- Industrial
- Airports



LED Fundamental Fixtures

The fundamentals

LED Edgelit Panel

This stylish panel transforms ambient lighting, combining sleek and appealing aesthetics with exceptional efficiency – the perfect LED replacement for fluorescent fixtures in T-grid suspended ceilings.

- Energy efficient (120 lm/W)
- Uniform illumination – no visible diodes or glare
- Broad, uniform light distribution
- Available in 2x2 and 1x4 format; suspension kits also available

BTA LED Panel

This commercial luminaire features an optical grade diffuser to ensure uniform light delivery and a high level of efficiency. Designed to replace fluorescent tubes in T-grid ceiling applications.

- Up to 58% more efficient than 18W T26 tubes
- Uniform illumination – no visible diodes or glare
- 108 lm/W delivered at 4000K
- Long rated life of 50 000 hours (L70)

LED T5 Batten ECO

A versatile and energy efficient LED T5 batten, enabling easy replacement of traditional products for significant energy savings, reduced maintenance costs and a more attractive quality of light.

- Suitable for wall mounting, stand-alone and continuous row mount
- Choice of 4 length in 4 wattages
- Long rated life of 30 000 hours (L70)
- Static built-in driver

LED T5 Batten Switch

The LED T5 Batten range available with switch design version as well.

- Pack include a power cord cable
- Surface mounted on/off switch for single fixture control
- Static built-driver

LED Downlighter ranges

Our LED downlight range includes two different design options (ECO and Diffusor) offering easy, direct and cost effective replacement of equivalent compact fluorescent products – and energy savings of as much as 55%.

- Wide range of sizes and colour temperature options
- Affordable solution for retrofit or new installations
- Long rated life of 45 000 hours (L70)
- Ideal for office, commercial, retail, hospitality etc.

LED Recessed Spotlight

This Spotlight LED fixture range will be ideal replacement for Halogen MR16/GU10 installations, offering high efficiency, adjustable beam and long life.

- Outstanding efficiency up to 90lm/w
- Quick and easy installation

LED 2D Bulkhead

This elegant interior light fitting is suitable for wall or ceiling mounting. Designed with a replaceable LED 2D lamp and Clear or Opal diffuser options, it combines high performance with outstanding efficiency.

- Outstanding efficiency up to 128 lm/W
- Fixture includes replaceable 2D lamp

Waterproof Mariner - Integrated

An ideal solution for a wide range of low bay lighting applications, the Integrated Mariner is a waterproof (IP65), energy efficient, low maintenance alternative to traditional LFLs and offers quick and easy installation.

- Quick connector design
- Available in 1200 mm and 1500 mm sizes
- Outstanding efficiency up to 126.5 lm/W
- Wide choice of lumen packages

Waterproof Mariner – Empty Body

A range of waterproof fittings suitable for surface mounting applications and compatible with T8 LED tubes on mains voltage. IP65 rated for protection against water.

- Single/twin lamp versions for 1200mm and 1500 mm
- Prewired for easy installation of AC T8 LED lamps
- Continuous connection option
- Wide range of compatible GE T8 LED Tubes available

ABV2 LED

This newly extended range delivers the performance needed for high/low bay applications in commercial and industrial buildings.

- Outstanding efficiency up to 129 lm/W
- Long rated life of 60 000 hours (L80)
- Lumen package options up to 31,600 lm
- Optics: 120°, 55°, 90°, 120° diffuse

LED Indoor Solutions

Product overview

Edgelit Panel

BTA Panel

ECO Downlighter

Diffusor Downlighter

Recessed Spotlight

Waterproof Mariner - Integrated

Waterproof Mariner - Empty Body

T5 Batten ECO

T5 Batten Switch

2D Bulkhead

ABV2

Tetra® Contour

Tetra® AL10

LED Linear Wall Wash System

LED Accent

Tetra® PowerGrid Gen 3

LED Soft Strip

TETRA® miniMAX

TETRA® MAX

TETRA® PowerMAX

TETRA® Power Strip

TETRA® miniStrip

TETRA® EdgeStrip

TETRA® Contour

Tetra® LineFit

LED Indoor Solutions / LED Fundamental Fixtures

Model	Wattage (W)	Product Description	Product Code	Lumen (lm)	CCT (K)	Controls	Rated life L70 (h)	IP	System Efficiency (lm/W)	CRI (Ra)	Dimensions (mm)	Ambient Temperature	EEC	Weight (kg)	Beam angle (°)	UGR
Edgelit Panel																
1	30	EPY22-3030-7SR-21L	93054167	3 400	3000	Static driver	50 000	20	113	80+	595x595x10	-10 to +40	A+	3.3	110	21
1	30	EPY22-3030-7SR-19L	93054169	3 200	3000	Static driver	50 000	20	105	80+	595x595x10	-10 to +40	A+	3.3	80	<19
1	30	EPY22-3040-7SR-21L	93054168	3 600	4000	Static driver	50 000	20	120	80+	595x595x10	-10 to +40	A+	3.3	110	21
1	30	EPY22-3040-7SR-19L	93054170	3 400	4000	Static driver	50 000	20	113	80+	595x595x10	-10 to +40	A+	3.3	80	<19
1	30	EPY22-3065-7SR-21L	93059583	3 600	6500	Static driver	50 000	20	120	80+	595x595x10	-10 to +40	A+	3.3	110	21
1	30	EPY22-3062-7SR-19L	93059586	3 500	6200	Static driver	50 000	20	113	80+	595x595x10	-10 to +40	A+	3.3	80	<19
1	30	EPY14-3040-7SR-21L	93055967	3 600	4000	Static driver	50 000	20	120	80+	295x1195x10	-10 to +40	A+	3.2	110	21
1	30	EPY14-3040-7SR-19L	93055968	3 400	4000	Static driver	50 000	20	113	80+	295x1195x10	-10 to +40	A+	3.2	80	<19
		Suspension kit for LED panel 2*2 / 2 sets	93055969													
		Suspension kit for LED panel 1*4 / 2 sets	93060875													
BTA Panel																
2	35	BTA22-3540-7S-T-L EU	93040562	3 800	4000	Static driver	50 000	20	108	80+	595x595x65	0 to +40	A+	4,1	120	21
Waterproof Mariner - Integrated																
3	20	MPY4F-2040-7SB-STLT	93055991	2 500	4000	Static driver	50 000	65	125	80+	66x1170x63	-20 to +40	A+	0.87	125	
3	20	MPY4F-2065-7SB-STLT	93055993	2 500	6500	Static driver	50 000	65	125	80+	66x1170x63	-20 to +40	A+	0.87	125	
3	30	MPY4F-3040-7SB-STLT	93055995	3 800	4000	Static driver	50 000	65	126.5	80+	66x1170x63	-20 to +40	A+	0.87	125	
3	30	MPY4F-3065-7SB-STLT	93055997	3 800	6500	Static driver	50 000	65	126.5	80+	66x1170x63	-20 to +40	A+	0.87	125	
3	30	MPY5F-3040-7SB-STLT	93055999	3 650	4000	Static driver	50 000	65	121.5	80+	66x1470x63	-20 to +40	A+	1.07	125	
3	30	MPY5F-3065-7SB-STLT	93056001	3 650	6500	Static driver	50 000	65	121.5	80+	66x1470x63	-20 to +40	A+	1.07	125	
3	49	MPY5F-4940-7SB-STLT	93056003	6 200	4000	Static driver	50 000	65	126.5	80+	66x1470x63	-20 to +40	A+	1.12	125	
3	49	MPY5F-4965-7SB-STLT	93056005	6 200	6500	Static driver	50 000	65	126.5	80+	66x1470x63	-20 to +40	A+	1.12	125	
Waterproof Mariner - Empty Body																
4	max 18W	LED MARINER Body T8 SINGLE 1200MM	93052188					65			1270x65x70			1.2		
4	max 2x18W	LED MARINER Body T8 TWIN 1200MM	93052189					65			1270x102x70			1.8		
4	max 27W	LED MARINER Body T8 SINGLE 1500MM	93052190					65			1570x65x70			1.4		
4	max 2x27W	LED MARINER Body T8 TWIN 1500MM	93052191					65			1570x102x70			2.1		
ECO Downlighter																
5	11	DM6L2SP30/C G3	93053257	1 045	3000	Static driver	45 000	20	95	80+	ø195x120	0 to +40	A+	0.5	95±12	
5	11	DM6L2SP40/C G3	93053258	1 100	4000	Static driver	45 000	20	100	80+	ø195x120	0 to +40	A+	0.5	95±12	
5	11	DM6L2SP65/C G3	93053259	1 100	6500	Static driver	45 000	20	100	80+	ø195x120	0 to +40	A+	0.5	95±12	
5	16	DM6L4SP30/C G3	93053260	1 520	3000	Static driver	45 000	20	95	80+	ø195x120	0 to +40	A+	0.55	95±12	
5	16	DM6L4SP40/C G3	93053261	1 600	4000	Static driver	45 000	20	100	80+	ø195x120	0 to +40	A+	0.55	95±12	
5	16	DM6L4SP65/C G3	93053262	1 600	6500	Static driver	45 000	20	100	80+	ø195x120	0 to +40	A+	0.55	95±12	
5	16	DM8L1SP30/C G3	93053263	1 520	3000	Static driver	45 000	20	95	80+	ø247x133	0 to +40	A+	0.9	95±12	
5	16	DM8L1SP40/C G3	93053264	1 600	4000	Static driver	45 000	20	100	80+	ø247x133	0 to +40	A+	0.9	95±12	
5	16	DM8L1SP65/C G3	93053265	1 600	6500	Static driver	45 000	20	100	80+	ø247x133	0 to +40	A+	0.9	95±12	
5	22	DM8L2SP30/C G3	93053266	2 090	3000	Static driver	45 000	20	95	80+	ø247x133	0 to +40	A+	0.95	95±12	
5	22	DM8L2SP40/C G3	93053267	2 200	4000	Static driver	45 000	20	100	80+	ø247x133	0 to +40	A+	0.95	95±12	
5	22	DM8L2SP65/C G3	93053268	2 200	6500	Static driver	45 000	20	100	80+	ø247x133	0 to +40	A+	0.95	95±12	

LED Indoor Solutions / LED Fundamental Fixtures

Wattage (W)	Product Description	Product Code	Lumen (lm)	CCT (K)	Controls	Rated life L70 (h)	IP	System Efficiency (lm/W)	CRI (Ra)	Dimensions (mm)	Ambient Temperature	EEC	Weight (kg)	Beam angle (°)	Model
LED Diffuser Downlight															
11	DDTW6-1130-7SB-STC	93057436	1 100	3000	Static driver	45 000	20	100	80+	ø180x81	-10 to +40	A+	0,32	100+/-15°	6
11	DDTW6-1140-7SB-STC	93057437	1 100	4000	Static driver	45 000	20	100	80+	ø180x81	-10 to +40	A+	0,32	100+/-15°	6
11	DDTW6-1165-7SB-STC	93057438	1 100	6500	Static driver	45 000	20	100	80+	ø180x81	-10 to +40	A+	0,32	100+/-15°	6
15	DDTW6-1530-7SB-STC	93057439	1 500	3000	Static driver	45 000	20	100	80+	ø180x81	-10 to +40	A+	0,32	100+/-15°	6
15	DDTW6-1540-7SB-STC	93057440	1 500	4000	Static driver	45 000	20	100	80+	ø180x81	-10 to +40	A+	0,32	100+/-15°	6
15	DDTW6-1565-7SB-STC	93057441	1 500	6500	Static driver	45 000	20	100	80+	ø180x81	-10 to +40	A+	0,32	100+/-15°	6
15	DDTW8-1530-7SB-STC	93057442	1 500	3000	Static driver	45 000	20	100	80+	ø240x93	-10 to +40	A+	0,48	100+/-15°	6
15	DDTW8-1540-7SB-STC	93057443	1 500	4000	Static driver	45 000	20	100	80+	ø240x93	-10 to +40	A+	0,48	100+/-15°	6
15	DDTW8-1565-7SB-STC	93057444	1 500	6500	Static driver	45 000	20	100	80+	ø240x93	-10 to +40	A+	0,48	100+/-15°	6
22	DDTW8-2230-7SB-STC	93057445	2 200	3000	Static driver	45 000	20	100	80+	ø240x93	-10 to +40	A+	0,5	100+/-15°	6
22	DDTW8-2240-7SB-STC	93057446	2 200	4000	Static driver	45 000	20	100	80+	ø240x93	-10 to +40	A+	0,5	100+/-15°	6
22	DDTW8-2265-7SB-STC	93057447	2 200	6500	Static driver	45 000	20	100	80+	ø240x93	-10 to +40	A+	0,5	100+/-15°	6
	DDTW6 accessory ring	93064214													
Recessed Spotlight															
6	RSTA-D7-630-7SR-40	93066765	550	3000	Static driver	30 000	20	90	80+	ø88x34.5	-10 to +40	A+	0.17	40	7
6	RSTA-D7-640-7SR-40	93066766	550	4000	Static driver	30 000	20	90	80+	ø88x34.5	-10 to +40	A+	0,17	40	7
6	RSTA-D7-665-7SR-40	93066767	550	6500	Static driver	30 000	20	90	80+	ø88x34.5	-10 to +40	A+	0,17	40	7
T5 Batten ECO															
4.5	LBTE 4.5 NW 1ft ECO	93044235	400	4000	Static driver	30 000	20	89	80+	311.5x25.9x37.3	-20 to +40	A+	0.07	170	8
4.5	LBTE 4.5 WW 1ft ECO	93044476	350	3000	Static driver	30 000	20	78	80+	311.5x25.9x37.3	-20 to +40	A+	0.07	170	8
8	LBTE 8 NW 2ft ECO	93044477	800	4000	Static driver	30 000	20	100	80+	581.5x25.9x37.3	-20 to +40	A+	0.11	170	8
8	LBTE 8 WW 2ft ECO	93044478	750	3000	Static driver	30 000	20	94	80+	581.5x25.9x37.3	-20 to +40	A+	0.11	170	8
12	LBTE 12 NW 3ft ECO	93044479	1 200	4000	Static driver	30 000	20	100	80+	881.5x25.9x37.3	-20 to +40	A+	0.16	170	8
12	LBTE 12 WW 3ft ECO	93044480	1 100	3000	Static driver	30 000	20	92	80+	881.5x25.9x37.3	-20 to +40	A+	0.16	170	8
16	LBTE 16 NW 4ft ECO	93044481	1 550	4000	Static driver	30 000	20	97	80+	1181.5x25.9x37.3	-20 to +40	A+	0.21	170	8
16	LBTE 16 WW 4ft ECO	93044482	1 450	3000	Static driver	30 000	20	91	80+	1181.5x25.9x37.3	-20 to +40	A+	0.21	170	8
	Power cord without plug	93044483													9
	Extension cord	93044484													10
T5 Batten Switch															
4.5	LBTE 4.5 NW 1ft SWITCH	93053138	400	4000	Static driver	30 000	20	89	80+	311.5x25.9x37.3	-20 to 40	A+	0.07	170	11
4.5	LBTE 4.5 WW 1ft SWITCH	93053139	350	3000	Static driver	30 000	20	78	80+	311.5x25.9x37.3	-20 to 40	A+	0.07	170	11
8	LBTE 8 NW 2ft SWITCH	93053140	800	4000	Static driver	30 000	20	100	80+	581.5x25.9x37.3	-20 to 40	A+	0.11	170	11
8	LBTE 8 WW 2ft SWITCH	93053141	750	3000	Static driver	30 000	20	94	80+	581.5x25.9x37.3	-20 to 40	A+	0.11	170	11
12	LBTE 12 NW 3ft SWITCH	93053142	1 200	4000	Static driver	30 000	20	100	80+	881.5x25.9x37.3	-20 to 40	A+	0.16	170	11
12	LBTE 12 WW 3ft SWITCH	93053143	1 100	3000	Static driver	30 000	20	92	80+	881.5x25.9x37.3	-20 to 40	A+	0.16	170	11
16	LBTE 16 NW 4ft SWITCH	93053144	1 550	4000	Static driver	30 000	20	97	80+	1181.5x25.9x37.3	-20 to 40	A+	0.21	170	11
16	LBTE 16 WW 4ft SWITCH	93053145	1 450	3000	Static driver	30 000	20	91	80+	1181.5x25.9x37.3	-20 to 40	A+	0.21	170	11

LED Indoor Solutions / LED Fundamental Fixtures

Model	Wattage (W)	Product Description	Product Code	Lumen (lm)	CCT (K)	Controls	Rated life L70 (h)	IP	System Efficiency (lm/W)	CRI (Ra)	Dimensions (mm)	Ambient Temperature	EEC	Weight (kg)	Diffuser Type
2D Bulkhead															
1	6.5	BH 2DC- D27-6,5/35-7S-ST	93055623	800	3500	Static driver	40 000	54	123	80+	ø268 x 98	-10 to +25	A++	0.668	Clear
1	6.5	BH 2DC- D27-6,5/40-7S-ST	93055624	830	4000	Static driver	40 000	54	128	80+	ø268 x 98	-10 to +25	A++	0.668	Clear
1	12.5	BH 2DC- D36-12,5/35-7S-ST	93055625	1 500	3500	Static driver	40 000	54	120	80+	ø363 x 115	-10 to +25	A++	1.154	Clear
1	12.5	BH 2DC- D36-12,5/40-7S-ST	93056106	1 550	4000	Static driver	40 000	54	124	80+	ø363 x 115	-10 to +25	A++	1.154	Clear
1	6.5	BH 2DO- D27-6,5/35-7S-ST	93057382	700	3500	Static driver	40 000	54	108	80+	ø268 x 98	-10 to +25	A++	0.661	Opal
1	6.5	BH 2DO- D27-6,5/40-7S-ST	93057383	720	4000	Static driver	40 000	54	111	80+	ø268 x 98	-10 to +25	A++	0.661	Opal
1	12.5	BH 2DO- D36-12,5/35-7S-ST	93057384	1 300	3500	Static driver	40 000	54	104	80+	ø363 x 115	-10 to +25	A++	1.146	Opal
1	12.5	BH 2DO- D36-12,5/40-7S-ST	93057385	1 400	4000	Static driver	40 000	54	112	80+	ø363 x 115	-10 to +25	A++	1.146	Opal

Model	Wattage (W)	Product Description	Product Code	Lumen (lm)	CCT (K)	Controls	Rated life L80 (h)	IP	System Efficiency (lm/W)	CRI (Ra)	Dimensions (mm)	Ambient Temperature	EEC	Weight (kg)	Beam angle (°)	Diffuser Type	Modues
ABV2																	
2	82	ABV21F48C1VSTNCE	93059034	10 280	4000	1-10V driver	60 000	20	126	80+	276x349x93	-30 to +50	A+	2.35	120	Clear	1
2	82	ABV21F58C1VSTNCE	93059035	10 550	5000	1-10V driver	60 000	20	129	80+	276x349x93	-30 to +50	A+	2.35	120	Clear	1
2	82	ABV21F48C5VSTNCE	-	10 140	4000	1-10V driver	60 000	20	119	80+	276x349x93	-30 to +50	A+	2.35	55	Clear	1
2	82	ABV21F58C5VSTNCE	93059326	10 400	5000	1-10V driver	60 000	20	122	80+	276x349x93	-30 to +50	A+	2.35	55	Clear	1
2	82	ABV21F48C9VSTNCE	-	10 140	4000	1-10V driver	60 000	20	124	80+	276x349x93	-30 to +50	A+	2.35	90	Clear	1
2	82	ABV21F58C9VSTNCE	-	10 400	5000	1-10V driver	60 000	20	127	80+	276x349x93	-30 to +50	A+	2.35	90	Clear	1
2	82	ABV21F48D1VSTNCE	93064323	9 750	4000	1-10V driver	60 000	20	124	80+	276x349x93	-30 to +50	A+	2.35	120	Diffused	1
2	82	ABV21F58D1VSTNCE	-	10 000	5000	1-10V driver	60 000	20	127	80+	276x349x93	-30 to +50	A+	2.35	120	Diffused	1
2	164	ABV22F48C1VSTNCE	93065552	20 560	4000	1-10V driver	60 000	20	126	80+	276x695x93	-30 to +50	A+	4.35	120	Clear	2
2	164	ABV22F58C1VSTNCE	93059327	21 100	5000	1-10V driver	60 000	20	129	80+	276x695x93	-30 to +50	A+	4.35	120	Clear	2
2	164	ABV22F48C5VSTNCE	-	20 280	4000	1-10V driver	60 000	20	119	80+	276x695x93	-30 to +50	A+	4.35	55	Clear	2
2	164	ABV22F58C5VSTNCE	-	20 800	5000	1-10V driver	60 000	20	122	80+	276x695x93	-30 to +50	A+	4.35	55	Clear	2
2	164	ABV22F48C9VSTNCE	-	20 280	4000	1-10V driver	60 000	20	124	80+	276x695x93	-30 to +50	A+	4.35	90	Clear	2
2	164	ABV22F58C9VSTNCE	-	20 800	5000	1-10V driver	60 000	20	127	80+	276x695x93	-30 to +50	A+	4.35	90	Clear	2
2	164	ABV22F48D1VSTNCE	-	19 500	4000	1-10V driver	60 000	20	124	80+	276x695x93	-30 to +50	A+	4.35	120	Diffused	2
2	164	ABV22F58D1VSTNCE	93059328	20 000	5000	1-10V driver	60 000	20	127	80+	276x695x93	-30 to +50	A+	4.35	120	Diffused	2
2	246	ABV23F48C1VSTNCE	-	30 840	4000	1-10V driver	60 000	20	126	80+	276x1038x93	-30 to +50	A+	6.35	120	Clear	3
2	246	ABV23F58C1VSTNCE	93059033	31 650	5000	1-10V driver	60 000	20	129	80+	276x1038x93	-30 to +50	A+	6.35	120	Clear	3
2	246	ABV23F48C5VSTNCE	-	30 420	4000	1-10V driver	60 000	20	119	80+	276x1038x93	-30 to +50	A+	6.35	55	Clear	3
2	246	ABV23F58C5VSTNCE	-	31 200	5000	1-10V driver	60 000	20	122	80+	276x1038x93	-30 to +50	A+	6.35	55	Clear	3
2	246	ABV23F48C9VSTNCE	93065551	30 420	4000	1-10V driver	60 000	20	124	80+	276x1038x93	-30 to +50	A+	6.35	90	Clear	3
2	246	ABV23F58C9VSTNCE	-	31 200	5000	1-10V driver	60 000	20	127	80+	276x1038x93	-30 to +50	A+	6.35	90	Clear	3
2	246	ABV23F48D1VSTNCE	-	29 250	4000	1-10V driver	60 000	20	124	80+	276x1038x93	-30 to +50	A+	6.35	120	Diffused	3
2	246	ABV23F58D1VSTNCE	-	30 000	5000	1-10V driver	60 000	20	127	80+	276x1038x93	-30 to +50	A+	6.35	120	Diffused	3

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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	-	-
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	–

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Tetra® AL10

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)
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

Tetra® AL10 Accessories

Model	Product Description	Product Code	Pack Qty	Full Product Description
–	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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Tetra® AL10 Drivers

Product Description	Product Code	Pack Qty	Full Product Description	Model
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	–

LED Linear Wall Wash System

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
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)	Model
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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Al Dhar HQ UAE

GE SOLUTIONS:
Tetra™ Contour LED Lighting System

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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LED Indoor Solutions / Signage

LED Indoor

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	–	–	–	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	–	–	–	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	–	–	–	24V	5
	GEXNGL-1	13964	GEXNGL-1	GREEN	532nm	–	–	330	–	A	1.67	24V	5
	GEXNBL-1	13962	GEXNBL-1	BLUE	467nm	–	–	330	–	–	–	24V	5
	GEXNRC-1	13965	GEXNRC-1	RED/ORANGE	618nm	–	–	330	–	B	2.50	24V	5
	GEXNYA-1	13975	GEXNYG-1	AMBER	589nm	–	–	330	–	–	–	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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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.

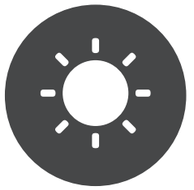
Our energy efficient ConstantColor™ CMH StreetWise™ range has the potential to significantly reduce global energy consumption, while at the same time improving road safety.

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

As per the 3rd stage of HID Streetlighting regulation (245/2009/EC) effective from April 13th, 2017, inefficient Quartz & Ceramic Metal Halide lamps under 405W & below 7000K with E27/E40 base have been phased out from EU 28, Switzerland, Norway, Turkey, plus from those countries where energy efficiency requirements follow ErP regulations.

Effected lamps, **put on inventory before April 13th, 2017.** can be still sold with CE mark until inventory runs out.

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 Clear

Cap: E27
Wattages: 70 – 100W
Colours: 830
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

Tubular

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

StreetWise™

Cap: E27, E40
Wattages: 50 – 150W
Colours: 730
Finish: Clear
Rated life: 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 & 7500K
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

* will be phased out

** for availability pls check SKU list

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

Mercury Lamps

High Intensity Discharge Lamps

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
ConstantColor™ – CMH Supermini															
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**	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
ConstantColor™ – CMH Single Ended Mini															
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
ConstantColor™ – CMH Single Ended															
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	**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™

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

(70) Identifies Lamp's wattage

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

(UVC) UV Control

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

(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

High Intensity Discharge Lamps

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
ConstantColor™ - CMH Double Ended															
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

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
ConstantColor™ - CMH MR16																
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																
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																
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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High Intensity Discharge Lamps

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
ConstantColor™ - CMH PAR 30																
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																
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

* Will be phased out

**Not CE compliant product

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
ConstantColor™ - CMH Elliptical Clear, Open Rated															
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															
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															
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

* Will be phased out

*** horizontal burning position/vertical burning position

1 2 3 4 5

High Intensity Discharge Lamps

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
ConstantColor™ - CMH Tubular Clear StreetWise															
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															
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**
ConstantColor™ - CMH Tubular Clear, Open Rated															
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**

* Will be phased out

**Not CE compliant product

*** horizontal burning position/vertical burning position

Wattage (W)	Volts (V)	Type	Product Description	Product Code	Length (mm)	Pack Qty	Model
CMH Standard Ballast							
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							
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**

6 7 8 9 10

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
CMH150/UVC/O/U/942/E27/C	HCI-E/P 150W/942 NDL PBMO CL E27	-
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	-
CMH50/TT/UVC/730/E27 STREETWISE	HCI-TT 50W/830 SUPER 4Y	CDO-TT 50W/828 E27
CMH70/TT/UVC/730/E27 STREETWISE	HCI-TT 70W/830 SUPER 4Y	CDO-TT 70W /828 E27
CMH100/TT/UVC/730/E40 STREETWISE	HCI-TT 100W/830 SUPER 4Y	CDO-TT 100W /828 E27
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/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

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

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

* will be phased out early 2018

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

* will be phased out early 2018

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**

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**

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**

* Will be phased out

**Not CE compliant product

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/H/970 /E40**	**93029234**	25 000	7500	90	HOR±45°	–	14 000	270	58	405	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

** Not CE comliant product

* will be phased out

**Not CE compliant product

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)

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**

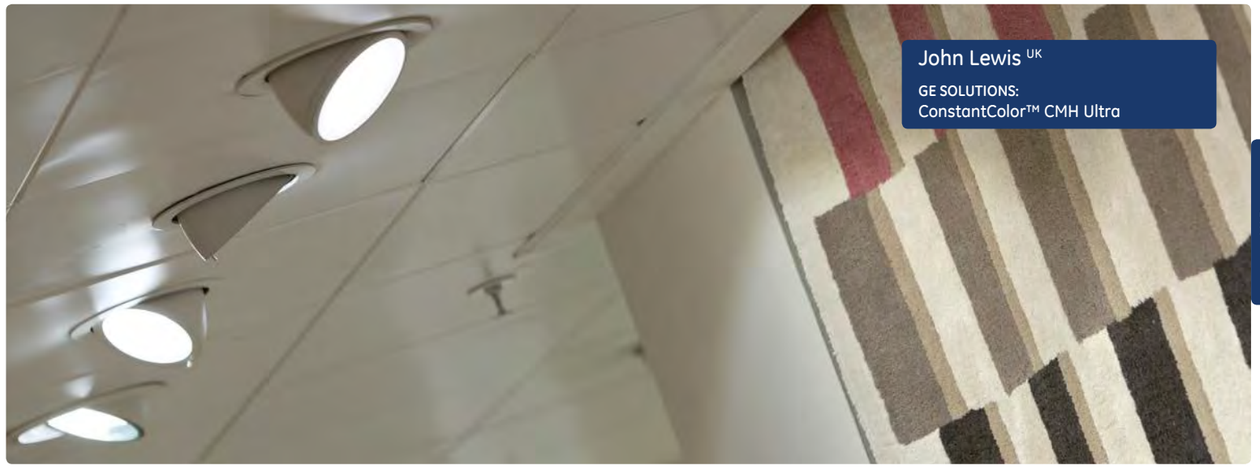
5 6 7 8 9 10

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™ 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	LU150/100/40	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	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
3	70	90	E27	LU70/90/HO/T/E27 MIC	93013989	6 500	2000	21	U	28 000	156	39	80,56	A+	25
3	100	100	E40	LU100/100/HO/T/E40 MIC	93032129	10 400	2000	21	U	28 000	211	48	110,44	A+	12
3	150	100	E40	LU150/100/HO/T/E40	97241	17 500	2000	21	U	28 000	283	48	172,7	A+	12
3	250	100	E40	LU250/100/HO/T/E40 MIC	93032128	32 500	2000	21	U	28 000	260	48	291,93	A+	12
3	400	100	E40	LU400/HO/T/E40	97240	56 200	2000	21	U	28 000	260	48	444,4	A++	12
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

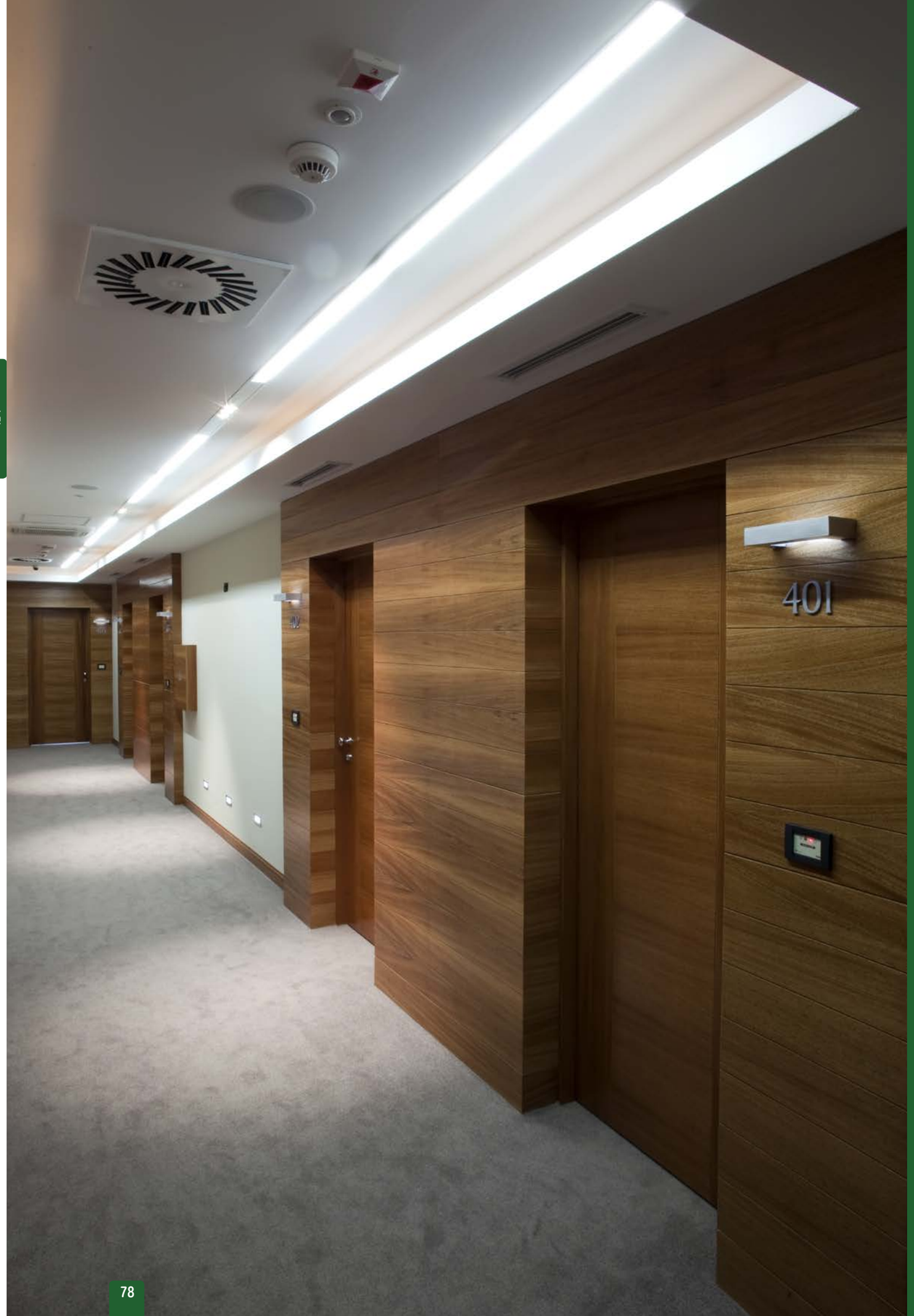
**Not CE compliant product

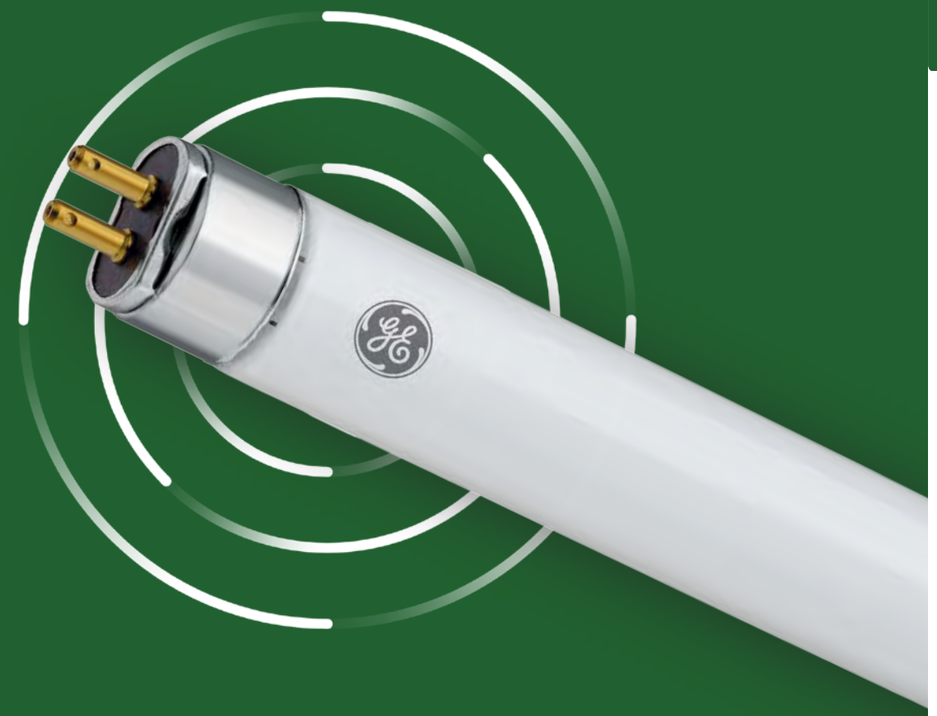
High Intensity Discharge Lamps



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
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
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





Linear Fluorescent Lamps

LFL

Linear Fluorescent Lamps

The smart choice for efficient bright light

Linear Fluorescent Lamp (LFL) is the ideal general lighting solution for many applications from office and retail to education and industrial, delivering quality light with minimal up-front cost.

GE's wide range of T5 and T8 Linear Fluorescent Lamps offer benefits including long life, energy savings, low maintenance and excellent colour rendering. The variety of sizes, wattages and color temperatures (2700-6500K) ensure the best possible choice for all professional lighting applications.

- Robust and reliable performance through life
- CRI 85 and outstanding lumen maintenance
- Excellent light distribution, complement of directional light sources
- 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

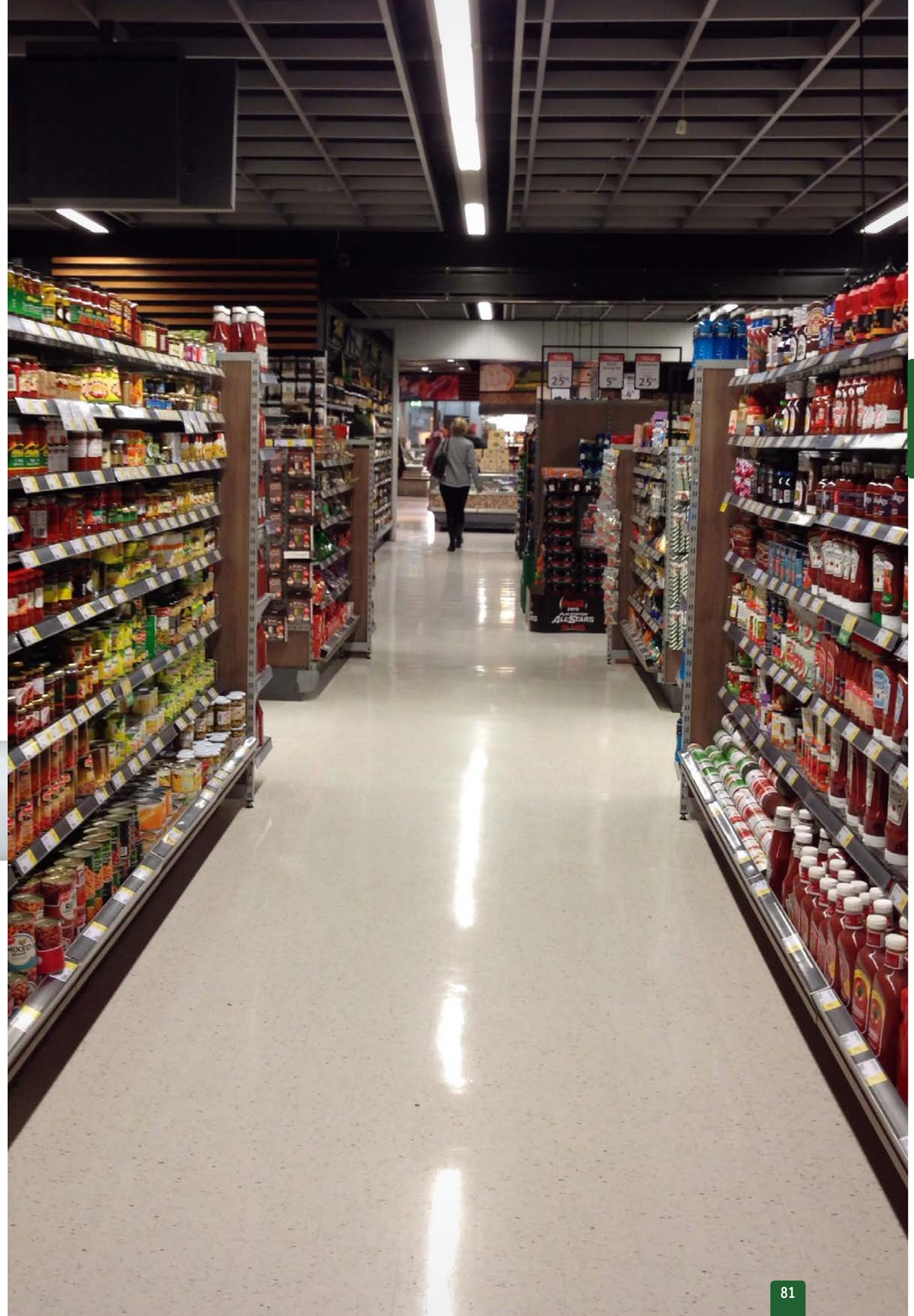
WIDE RANGE OF COLOUR TEMPERATURES

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

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

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/T5/840/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	84	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	2 000	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
80	1 449	16	F80W/T5/865/LL/BULK	93060919	6 650	Daylight	6500	85	30 000	–	–	40	3

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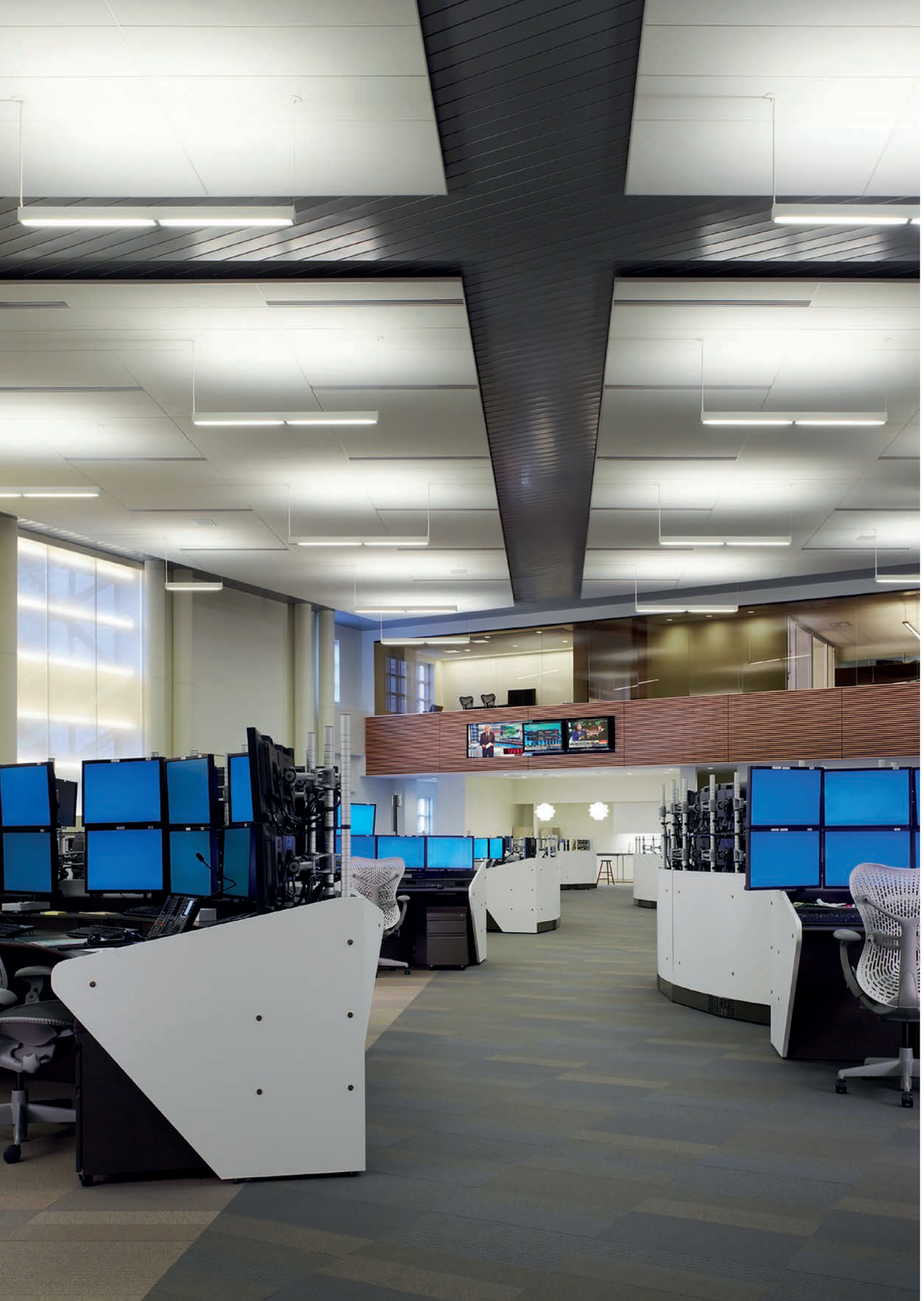

Linear Fluorescent Lamps

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
T5 Miniature — Specfill Triphosphor — Emergency Lighting, G5 Cap													
8	288.3	16	**F8W/T5/840/SPECFILL/IND**	**40331**	460	Cool White	4000	80+	8 000	8	A	100	1
T5 Miniature — Specfill Standard — Emergency Lighting, G5 Cap													
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**	400	White	3500	54	8 000	8	A	25	1
8	288.3	16	**F8W/T5/35/SPECFILL/IND**	**91451**	400	White	3500	54	8 000	8	A	100	1
8	288.3	16	**F8W/T5/33/SPECFILL**	**27011**	400	Cool White	4000	60	8 000	8	A	25	1
8	288.3	16	**F8W/T5/33/SPECFILL/IND**	**91450**	400	Cool White	4000	60	8 000	8	A	100	1
T5 Miniature — Triphosphor, G5 Cap													
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/T5/33	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	A	25
1	6	212.1	16	F6W/T5/33	39445	260	Cool White	4000	60	5 000	6	A	25
1	8	288.3	16	F8W/T5/29	37754	395	Warm White	3000	52	5 000	8	A	25
1	8	288.3	16	F8W/T5/35	37756	400	White	3500	54	5 000	8	A	25
1	8	288.3	16	F8W/T5/33	37755	400	Cool White	4000	60	5 000	8	A	25
1	13	516.9	16	F13W/T5/29	39437	850	Warm White	3000	52	5 000	14	A	25
1	13	516.9	16	F13W/T5/35	39439	850	White	3500	54	5 000	14	A	25
1	13	516.9	16	F13W/T5/33	39440	850	Cool White	4000	60	5 000	14	A	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/T8/840/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

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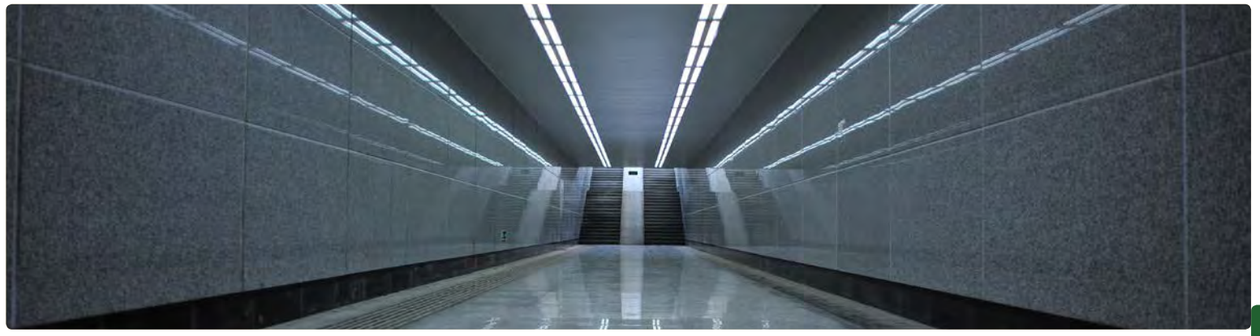

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 25°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
T8 Polylux XLR™ — G13 Cap													
15	437.4	26	F15W/T8/830/POLYLUX	93060903	950	Warm White	3000	80+	15 000	19	B	25	5
15	437.4	26	F15W/T8/835 POLYLUX	93060904	950	White	3500	80+	15 000	19	B	25	5
15	437.4	26	F15W/T8/840/POLYLUX	93060905	950	Cool White	4000	80+	15 000	19	B	25	5
15	437.4	26	F15W/T8/860/POLYLUX	93060906	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	35	A	25	5
30	894.6	26	F30W/T8/835/POLYLUX	62533	2 450	White	3500	80+	15 000	35	A	25	5
30	894.6	26	F30W/T8/840/POLYLUX	62555	2 450	Cool White	4000	80+	15 000	35	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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Model	Wattage (W)	Volt (V)	Product Description	Rated Life (switching cycles)	Product Code	Pack Qty
Starter						
2	Series 4-8W, 15-22W	220-240 *	155/200/4-22W/TANDEM/BX	10 000	36711	250
2	Series 4-8W, 15-22W	220-240 *	155/200/4-22W/TANDEM/IND	10 000	36714	2,000
2	Single 4-65W	220-240	155/500 4-65W/UNIV/BX	10 000	36536	250
2	Single 4-65W	220-240	155/500 4-65W/UNIV/IND	10 000	36537	2 000
2	Single 75-125W	220-240	155/800/75-125W/BX	6 000	37864	250
2	Single 75-115W	220-240	155/801/75-115W/IND	6 000	37974	2,000
2	Series 4-8W, 15-22W	220-240 *	155/200 4-22W/TANDEM/BX	8 000	64085	250
2	Series 4-8W, 15-22W	220-240 *	155/200 4-22W/TANDEM/IND	8 000	64086	2,000
2	Single 4-65W	220-240	155/500 4-65W/UNIV/BX	8 000	64087	250
2	Single 4-65W	220-240	155/500 4-65W/UNIV/IND	8 000	64088	2,000

* Single operation 110-130V

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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

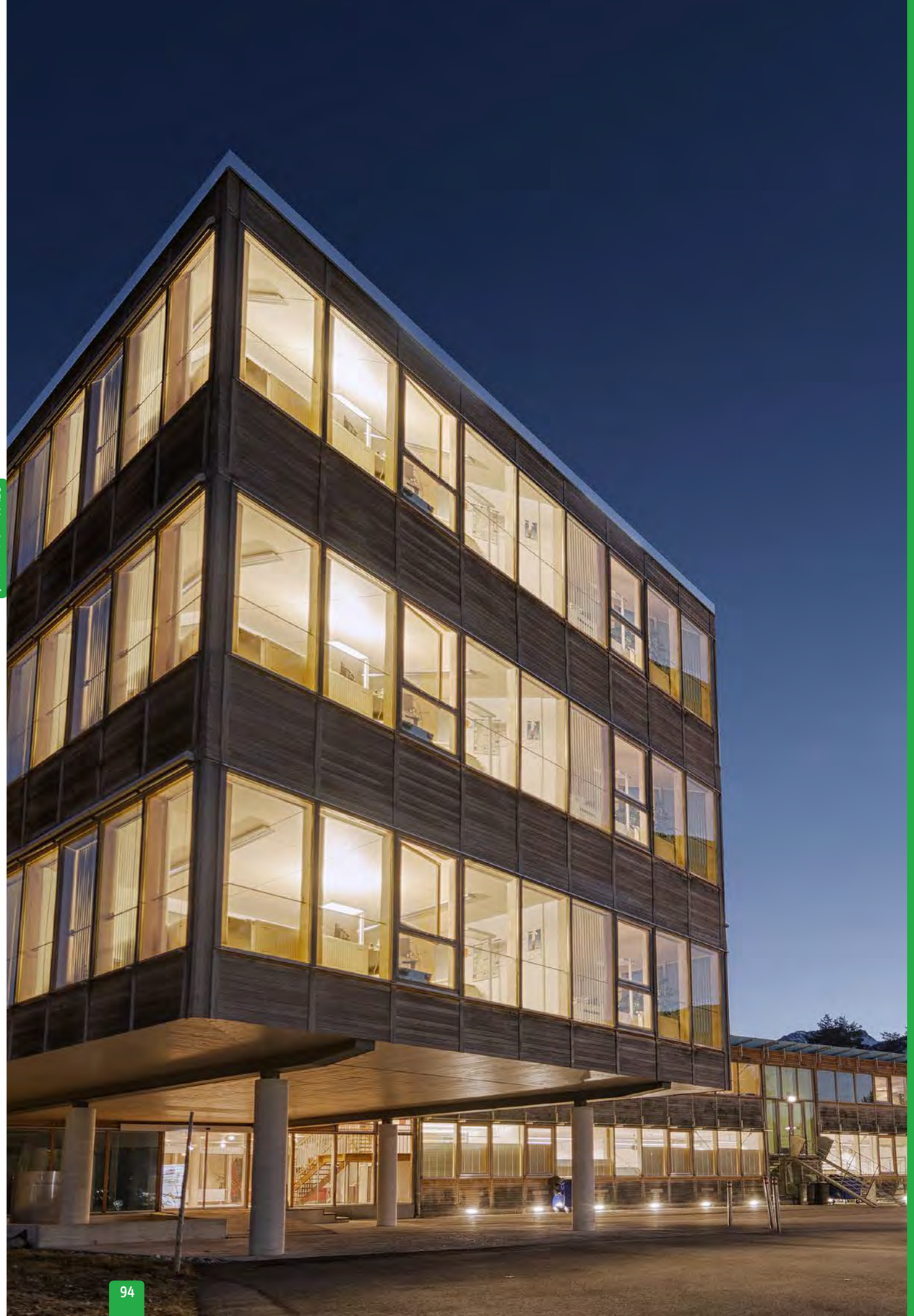
Brand cross reference

GE Lighting	Osram	Philips	Sylvania
T5 Miniature Specfill Triphosphore EMERGENCY LIGHTING	**Lumilux T5 Short EL**	**Master TL Mini Super 80**	**T5 Emergency**
F8W/T5/840/SPECFILL	8W/840	–	F8W/840/SP200
F8W/T5/865/SPECFILL	–	–	–
T5 Miniature Specfill Standard 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
T5 Circline™	**Lumilux T5 FC**	**Master TL5 Circular**	**T5 Circline Plus**
FC22W/T5/830	FC22W/830	22W/830	22W/830
FC22W/T5/840	FC22W/840	22W/840	22W/840
FC40W/T5/830	FC40W/830	40W/830	40W/830
FC40W/T5/840	FC40W/840	40W/840	40W/840
FC55W/T5/830	FC55W/830	55W/830	55W/830
FC55W/T5/840	FC55W/840	55W/840	55W/840
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

Linear Fluorescent Lamps

Brand cross reference

GE Lighting	Osram	Philips	Sylvania
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

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

2D™

Compact Fluorescent Lamps Non-Integrated

Biax™ S 2-pin, 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
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

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	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

** Will be phased out

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
- 8 2 7: Colour temperature — XX=First 2 digits of temperature in Kelvin - XX00K. Eg. 27 is 2700K
- Colour definition: 827=Extra Warm White; 830=Warm White; 835=White; 840=Cool White; 865=Daylight
- Colour rendering: Ra 60-69 (group 2B); Ra 70-79 (group 2A); Ra 80-89 (group 1B); Ra 90-99 (group 1A)

1 2

Compact Fluorescent Lamps Non-Integrated

Biax™ D 2-pin, Internal Starter

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
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
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/T3/830/2P	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
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

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

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

*Will be phased out

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	10	64	G24q-1	F10DBX/T4/827/4P	70553	600	2700	82	20 000**	34.4	101	10.5	A	10
1	10	64	G24q-1	F10DBX/T4/830/4P	70555	600	3000	82	20 000**	34.4	101	10.5	A	10
1	10	64	G24q-1	F10DBX/T4/840/4P	70560	600	4000	82	20 000**	34.4	101	10.5	A	10
1	10	64	G24q-1	F10DBX/T3/827/4P	78217*	600	2700	82	20 000**	34.4	100.5	10.5	A	10
1	10	64	G24q-1	F10DBX/T3/830/4P	78218*	600	3000	82	20 000**	34.4	100.5	10.5	A	10
1	13	91	G24q-1	F13DBX/T4/827/4P	70580	900	2700	82	20 000**	34.4	125.5	13.8	A	10
1	13	91	G24q-1	F13DBX/T4/830/4P	70583	900	3000	82	20 000**	34.4	125.5	13.8	A	10
1	13	91	G24q-1	F13DBX/T4/840/4P	70584	900	4000	82	20 000**	34.4	125.5	13.8	A	10
1	13	91	G24q-1	F13DBX/T4/865/4P	70587	900	6500	82	20 000**	34.4	125.5	13.8	A	10

*Will be phased out

** 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

1 2 3

Compact Fluorescent Lamps 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

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

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Compact Fluorescent Lamps Non-Integrated

CFL 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/827/4P	41746*	1 100	2700	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/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

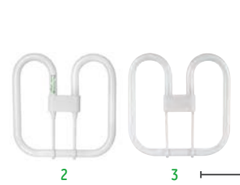
* Will be phased out

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
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	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

* Will be phased out



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

CFL Non-Integrated

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	–	–	–

CFL Non-Integrated

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

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

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

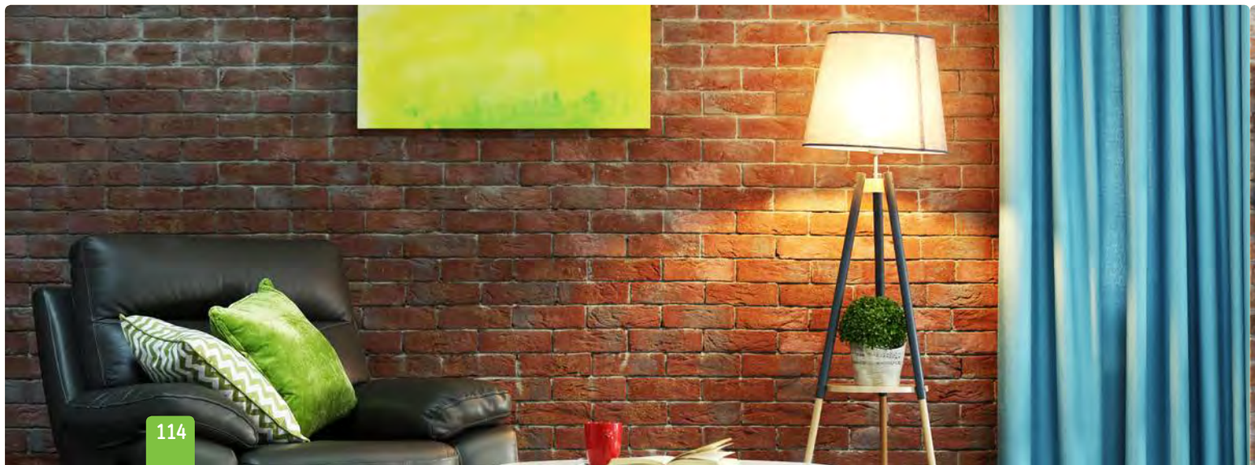
Cap: E27
Wattages: 11 – 20W
Colours: 2700 – 6500K
Rated life: 8 000 h

Spiral

Genura

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

Reflector



CFL Integrated

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
Stick T3 Mini - 10 000 hours														
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	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	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

1 2 3 4 5 6 7 8 9 10 11

CFL Integrated

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
LongLast™ Spiral T2 – 15 000 hours														
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
20	220-240	E27	FLE20HLX/T2/827/E27	72391	1 250	2700	82	15 000	110	56	20	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	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

12 13 14 15 16 17 18 19

Compact Fluorescent Lamps Integrated

Spiral T3 – 8 000-10 000 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	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/T3/865/E27	89739*	1 152	6500	82	8 000	124	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	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

GLS T2/T3 – 8 000 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
4	12	220-240	E14	FLE12GLS/T2/827/E14	33925*	625	2700	82	8 000	110.5	55	12	A	6
5	12	220-240	B22	FLE12GLS/T2/827/B22	33926*	625	2700	82	8 000	106	55	12	A	6
6	15	220-240	B22	FLE15GLS/T3/827/B22	33769*	830	2700	82	8 000	117	60	15	A	6

* Will be phased out

1 2 3 4 5 6

Spherical T2 – 8 000 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
7	5	220-240	B22	FLE5SPH/T2/827/B22	33790*	220	2700	82	8 000	92	45	5	A	8
8	7	220-240	E14	FLE7SPH/T2/827/E14	33928*	320	2700	82	8 000	96	45	7	A	8

Candle T2/T3 – 6 000-8 000 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
9	11	220-240	E14	FLE11CDL/T3/827/E14	76198*	580	2700	80	6 000	141	50	11	A	6
10	7	220-240	E27	FLE7CDL/T2/827/E27	33919*	320	2700	82	8 000	103	37	7	A	8
11	7	220-240	B22	FLE7CDL/T2/827/B22	33941*	320	2700	82	8 000	102	37	7	A	10
12	7	220-240	E14	FLE7CDL/T2/840/E14	33911*	320	4000	82	8 000	105	37	7	A	10
12	7	220-240	E14	FLE7CDL/T2/827/E14	33939*	320	2700	82	8 000	105	37	7	A	10
12	9	220-240	E14	FLE9CDL/T2/827/E14	34177*	405	2700	82	8 000	113	37	9	A	18
12	9	220-240	E14	FLE9CDL/T2/827/E14	33757*	405	2700	82	8 000	113	37	9	A	8
13	9	220-240	E27	FLE9CDL/T2/827/E27	33763*	405	2700	82	8 000	110.5	37	9	A	8
14	9	220-240	B15	FLE9CDL/T2/827/B15	33767*	405	2700	82	8 000	111.5	37	9	A	8
11	9	220-240	B22	FLE9CDL/T2/827/B22	33765*	405	2700	82	8 000	109.5	37	9	A	8

* Will be phased out

Reflector Genura R80 – 15 000 hours

Model	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
15	23	220-240	E27	EFL23W/827/R80/E27	82174*	580	2700	270	100	80	15 000	130	83	22.50	B	6
15	23	220-240	E27	EFL23W/830/R80/E27	92246*	580	2700	270	100	80	15 000	130	83	22.50	B	6

* Will be phased out

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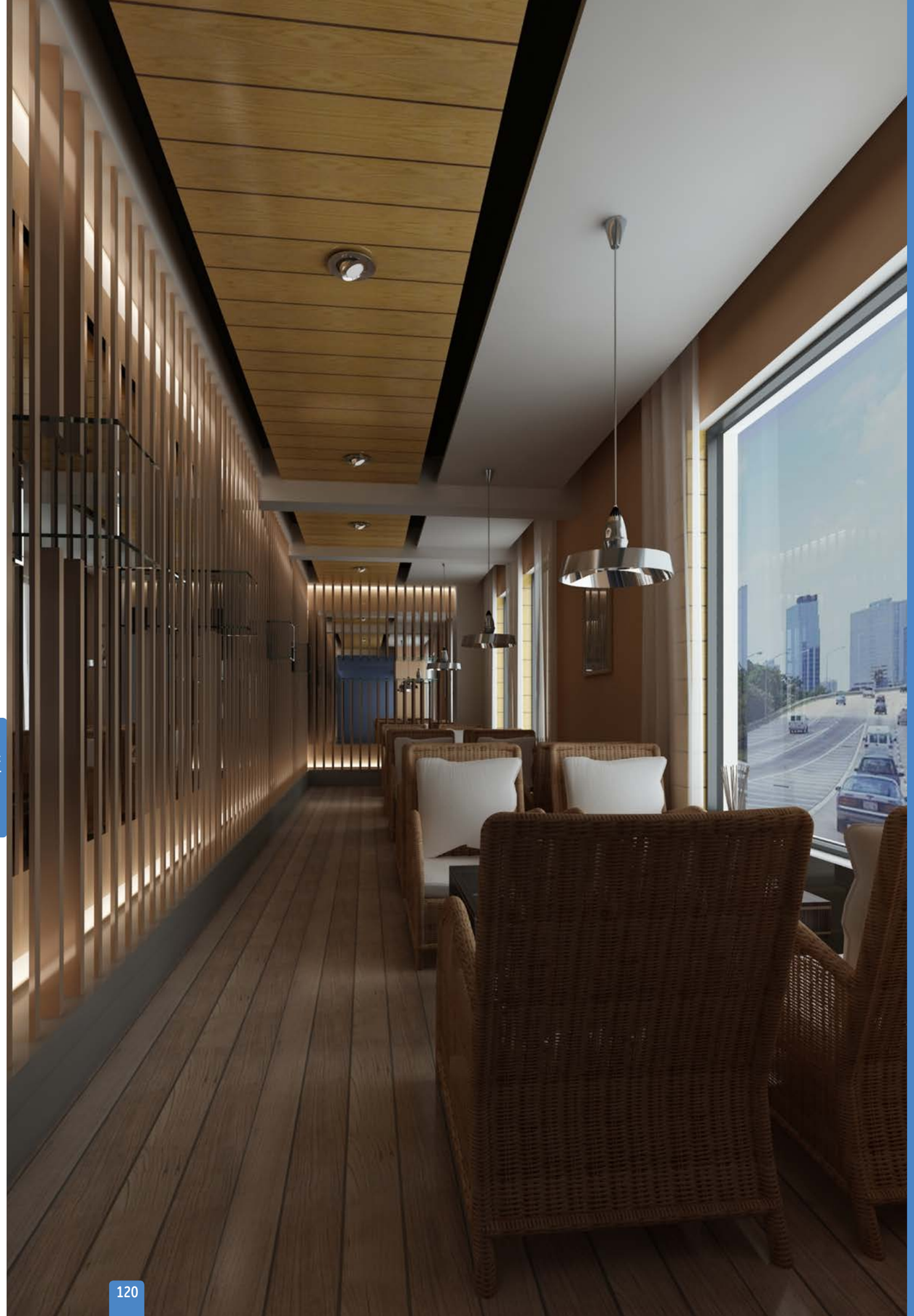

Halogen Lamps

Halogen

Halogen Lamps

The smart choice for instant bright white light

Our Halogen Lamp family encompasses a wide selection of low 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) 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 entered into force, which phased 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™ Bright 5000 MR16

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

Low Voltage Reflectors

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

Decor

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

Tubular T38

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

Tubular

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

MR11

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
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	35	12	GU4	M266/FTF/CG	93010615	430	2 070	20	2900	4 000	35.3	40	38.1	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

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Precise™ Bright 5000 MR16

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	Model
20	12	GU5.3	M69/BAB	88231	210	480	36	2900	5 000	50.7	46	20.9	B	10	open	2
20	12	GU5.3	M269/BAB/CG	88235	205	450	36	2900	5 000	50.7	50.5	20.9	C	10	closed	3
35	12	GU5.3	M81/FMW	88229	450	1 390	36	2900	5 000	50.7	46	37.3	B	10	open	2
35	12	GU5.3	M281/FMW/FL/CG	93031671	370	1 300	36	2900	5 000	50,7	46	35.0	C	10	closed	3
50	12	GU5.3	M58/EXN	88234	720	2 250	36	2900	5 000	50.7	46	53.9	B	10	open	2
50	12	GU5.3	M250/EXZ/CG	88237	675	4 750	18	2900	5 000	50.7	50.5	53.9	C	10	closed	3
50	12	GU5.3	M258/EXN/CG	88239	680	2 100	36	2900	5 000	50.7	50.5	53.9	C	10	closed	3
50	12	GU5.3	M280/FNV/CG	88238	750	950	60	2900	5 000	50.7	50.5	53.9	B	10	closed	3
50	12	GU5.3	M80/FNV	88232	770	1 070	60	2900	5 000	50.7	46	53.9	B	10	open	2

MR16 Mains Alutech™ – Coloured

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	Model
50	240	GU10	Q50MR16/240/FL	12995*	Blue	600	36	2700	1 500	51	55	51.2	D	10	4
50	240	GU10	Q50MR16/240/FL	13003*	Yellow	600	36	2700	1 500	51	55	51.2	D	10	4

* Will be phased out

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
30	240	G9	SHORTG9 30W CL 230V	93039930	405	2800	2 000	13	43	34	D	10	7
30	230	G9	SHORTG9 30W CL 240V	93025905	405	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

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Low Voltage Capsule - Transversal Filament

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	10	6	G4	M29/Q10 G4**	34720*	180	2800	100	9	33	11.2	B	20
1	10	6	G4	M29/Q10 G4**	93010694	180	3000	100	8	33	11.2	B	20
1	5	12	G4	M9/H5 G4	42959	60	2800	2 000	9	33	5.4	B	20
1	10	12	G4	M11/H10 G4	34674	140	2800	2 000	9	33	10.8	C	20
1	20	12	G4	M35/Q20 G4	93010624	400	3200	250	9	33	20.9	B	20
1	35	12	GY6.35	M95/Q35/GY6.35	34708	550	2900	3 000	11	44	38.1	C	20
1	50	12	GY6.35	M32/Q50 GY6.35	34702	930	2900	4 000	11	44	55.9	C	20
1	75	12	GY6.35	M313/Q75/GY6.35	34682	1 350	2900	2 000	11	44	85.6	D	20
1	100	12	GY6.35	M28/Q100 GY6.35	34676	2 200	2900	3 000	11	44	110.4	C	20
1	100	24	GY6.35	M67/Q100 GY6.35 24V	34663	2 000	2900	2 000	11	44	104.7	D	20

Low Voltage Capsule - Axial Filament

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

* Will be phased out

** Projector lamp

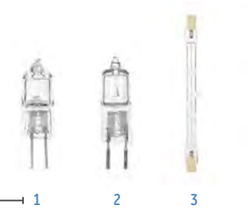
Linear 78mm

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
3	100	230	R7s	K12 C100W 230V R7S 78MM	63519	1 800	2900	1 000	8	80.1	104.2	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
3	330	230	R7s	K1 C330W 230V R7S 117MM	64967	7 000	3000	2 000	10	119	349.5	D	10
3	200	230	R7s	K9 C200W 230V R7S 117MM	64968	4 000	3000	2 000	8	119	210.6	D	10
3	330	240	R7s	K1 C330W 240V R7S 117MM	64970	7 000	3000	2 000	8	119	351.1	D	10
3	200	240	R7s	K9 C200W 240V R7S 117MM	64971	4 000	3000	2 000	8	119	212.7	D	10
3	130	230	R7s	K11 C130W 230V R7S 117MM	64973	2 440	2900	2 000	8.8	119	136.6	D	10
3	130	240	R7s	K11 C130W 240V R7S 117MM	64974	2 440	2900	2 000	8.8	119	138	D	10

* Will be phased out



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Linear - High Watt

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
1000	230	R7s	K4 1000W 230V R7S 189MM BX	29180	21 000	3000	2 000	10	190.5	1008	D	4	2
1000	240	R7s	K4 1000W 240V R7S 189MM BX	29181	21 000	3000	2 000	10	190.5	1018.9	D	4	2
1000	230	R7s	K10 1000W 230V R7S 254MM BX	43711	21 000	3000	2 000	6	254	980.1	D	5	3
1000	240	R7s	K10 1000W 240V R7S 254MM BX	43712	21 000	3000	2 000	6	189	1050	D	5	3
1500	230	R7s	K5 1500W 230V R7S 254MM BX	29184*	32 000	3000	2 000	10	255.5	1539.4	D	4	2
1500	240	R7s	K5 1500W 240V R7S 254MM BX	29187	32 000	3000	2 000	10	255.5	1504.1	D	4	2
2000	230	R7s	K8 2000W 230V R7S 331MM BX	30886*	44 000	3000	2 000	10	332.2	1996.1	D	4	2

* Will be phased out

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
30	240	B22	30W HALO A CL B22 240V	98361	405	2800	2 000	50	89.5	31.6	D	6	4
30	230	E27	30W HALO A CL E27 230V	98362	405	2800	2 000	50	89.5	31.7	D	4	5
30	240	E27	30W HALO A CL E27 240V	98406	405	2800	2 000	50	89.5	31.6	D	6	5
42	240	B22	42W HALO A CL B22 240V	62575	630	2800	2 000	50	89.5	43.7	D	6	4
42	230	E27	42W HALO A CL E27 230V	63613	630	2800	2 000	50	89.5	43.1	D	4	5
42	240	E27	42W HALO A CL E27 240V	79422	630	2800	2 000	50	89.5	43.7	D	6	5
42	230	B22	42W HALO A CL B22 230V	63615	630	2800	2 000	50	89.5	43.1	D	4	4
53	240	B22	53W HALO A CL B22 240V	64993	850	2900	2 000	50	89.5	56.4	D	6	4
53	230	E27	53W HALO A CL E27 230V	63959	850	2900	2 000	50	89.5	55	D	4	5
53	240	E27	53W HALO A CL E27 240V	63961	850	2900	2 000	50	89.5	56.4	D	6	5
70	240	B22	70W HALO A CL B22 240V	62576	1 200	2900	2 000	50	89.5	73.4	D	8	4
70	230	E27	70W HALO A CL E27 230V	63612	1 200	2900	2 000	50	89.5	72.5	D	10	5
70	240	E27	70W HALO A CL E27 240V	79423	1 200	2900	2 000	50	89.5	73.4	D	8	5
70	230	B22	70W HALO A CL B22 230V	99934	1 200	2800	2 000	50	89.5	72.5	D	10	4
100	230	E27	100W HALO A CL E27 230V	97246	1 800	2900	2 000	50	89.5	102.6	D	10	5
100	240	E27	100W HALO A CL E27 240V	97243	1 800	2900	2 000	50	89.5	102.1	D	8	5
100	240	B22	100W HALO A CL B22 240V	97244	1 800	2900	2 000	50	89.5	102.1	D	8	4
100	230	B22	100W HALO A CL B22 230V	97247*	1 800	2800	2 000	50	89.5	102.6	D	10	4

* Will be phased out

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HaloCandle

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	20	230	E14	20W HALO C CL E14 230V	98402	235	2900	2 000	36	100	21.5	D	10
1	30	230	E14	30W HALO C CL E14 230V	98398	405	2900	2 000	36	100	31.7	D	10
1	42	230	E14	42W HALO C CL E14 230V	76575	630	2900	2 000	36	100	43.1	D	10
2	30	230	E27	30W HALO C CL E27 230V	98396	405	2900	2 000	36	100	31.7	D	10
2	42	230	E27	42W HALO C CL E27 230V	76573	630	2900	2 000	36	100	43.1	D	10
1	20	240	E14	20W HALO C CL E14 240V	98399	235	2900	2 000	36	100	21.2	D	12
1	30	240	E14	30W HALO C CL E14 240V	98392	405	2900	2 000	36	100	31.6	D	12
1	42	240	E14	42W HALO C CL E14 240V	76569	630	2900	2 000	36	100	43.7	D	12
2	30	240	E27	30W HALO C CL E27 240V	98391	405	2900	2 000	36	100	31.6	D	12
2	42	240	E27	42W HALO C CL E27 240V	76568	630	2900	2 000	36	100	43.7	D	12
3	30	240	B15	30W HALO C CL B15 240V	98394	405	2900	2 000	36	100	31.6	D	12
3	42	240	B15	42W HALO C CL B15 240V	76571	630	2900	2 000	36	100	43.7	D	12
4	20	240	B22	20W HALO C CL B22 240V	98400	235	2900	2 000	36	100	21.2	D	12
4	30	240	B22	30W HALO C CL B22 240V	98393	405	2900	2 000	36	100	31.6	D	12
3	42	240	B22	42W HALO C CL B22 240V	76570	630	2900	2 000	36	100	43.7	D	12

HaloSpherical

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
5	20	230	E14	20W HALO S CL E14 230V	98390	235	2900	2 000	45	78	21.5	D	10
5	30	230	E14	30W HALO S CL E14 230V	98384	405	2900	2 000	45	78	31.7	D	10
5	42	230	E14	42W HALO S CL E14 230V	76553	630	2900	2 000	45	78	43.1	D	10
6	20	230	E27	20W HALO S CL E27 230V	98388	235	2900	2 000	45	78	21.5	D	10
6	30	230	E27	30W HALO S CL E27 230V	98382	405	2900	2 000	45	78	31.7	D	10
6	42	230	E27	42W HALO S CL E27 230V	76551	630	2900	2 000	45	78	43.1	D	10
5	20	240	E14	20W HALO S CL E14 240V	98385	235	2900	2 000	45	78	21.2	D	12
5	30	240	E14	30W HALO S CL E14 240V	98378	405	2900	2 000	45	78	31.6	D	12

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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
42	240	E14	42W HALOS CL E14 240V	76548	630	2900	2 000	45	78	43.7	D	12	7
30	240	E27	30W HALO S CL E27 240V	98377	405	2900	2 000	45	78	31.6	D	12	8
42	240	E27	42W HALOS CL E27 240V	76547	630	2900	2 000	45	78	43.7	D	12	8
30	240	B15	30W HALO S CL B15 240V	98380*	405	2900	2 000	45	78	31.6	D	12	9
20	240	B22	20W HALO S CL B22 240V	98386	235	2900	2 000	45	78	21.2	D	12	10
30	240	B22	30W HALO S CL B22 240V	98379	405	2900	2 000	45	78	31.6	D	12	10
42	240	B22	42W HALOS CL B22 240V	76549	630	2900	2 000	45	78	43.7	D	12	10

* Will be phased out

Tubular T38

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
1000	230	E40	Halo T38/1000W/E40/230	32108	21 000	2900	2 000	38	280	1008.89	D	10	11
1000	240	E40	Halo T38/1000W/E40/240	32109	21 000	2900	2 000	38	280	1018.43	D	10	11

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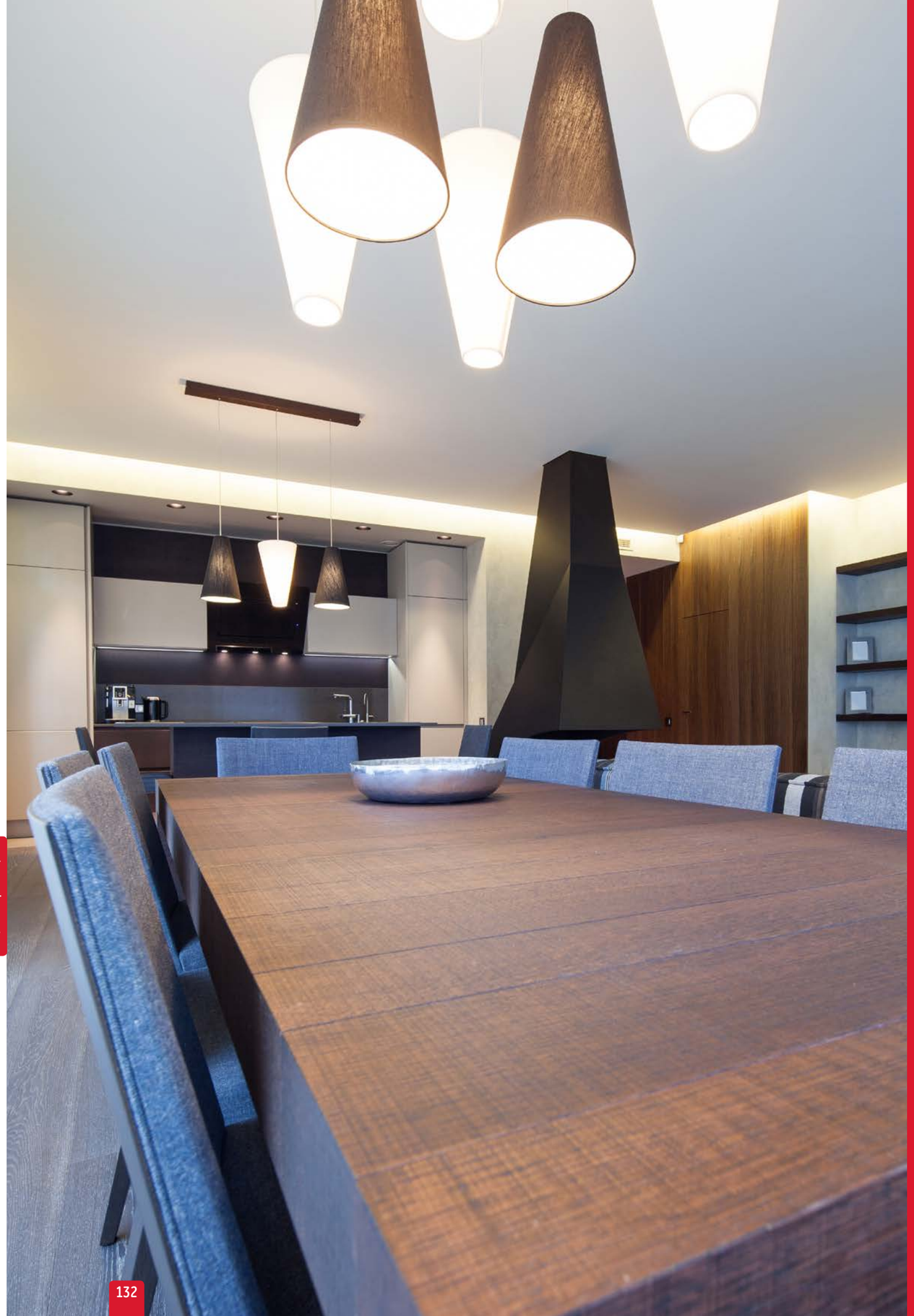

Incandescent Lamps

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

Oven

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

Coloured

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

Spherical

Standard

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

Candle

R39

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

R63

Cap: E27
Wattages: 40W
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

Incandescent

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
Standard GLS – Clear												
1	25	240	E27	25A1/CL/E27	19944*	225	1 000	50	88.5	25	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	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	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
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
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	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

** Will be delisted

Product Description - explanation

For further information check the glossary

15 — Identifies lamp wattage

A1 — Identifies the lamp type: A1=GLS, C1=Candle, Rxx=Reflector/ IR = Infrared (xx=diameter), P1=Pygmy, D1=Spherical

/

FR — Identifies the finish of the lamp: F/FR = Frosted CL = Clear O/SL = Opal R/Y/G/B = Colour options

/

E27 — Identifies the cap type

1 2 3

Incandescent Lamps

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	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	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	5
40	230	E14	40D1/CL/E14	12462	320	300	45	74	40	E	1/10/50	5
40	230	E27	40D1/CL/E27	12515	320	300	45	71	40	E	1/10/100	5
Candle - Frosted												
25	240	E14	25C1/FR/E14	91680*	210	1 000	35	97	25	E	1/10/50	6

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	E27	15D1/R/E27	90531	Red	1 000	45	69.5	14.3	-	1/10/50	7
15	230	E27	15D1/ORANGE/E27	90528	Orange	1 000	45	69.5	14.3	-	1/10/50	7
15	230	E14	15D1/Y/E14	90526	Yellow	1 000	45	74	14.3	-	1/10/50	7
15	230	E27	15D1/Y/E27	90527	Yellow	1 000	45	69.5	14.3	-	1/10/50	7
15	230	E14	15D1/G/E14	92004	Green	1 000	45	74	14.3	-	1/10/50	7
15	230	E27	15D1/G/E27	91521	Green	1 000	45	69.5	14.3	-	1/10/50	7
15	230	E14	15D1/B/E14	92001	Blue	1 000	45	74	14.3	-	1/10/50	7
15	230	E27	15D1/B/E27	91522	Blue	1 000	45	69.5	14.3	-	1/10/50	7

* Not CE compliant product

** Will be delisted

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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	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

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													
2	25	230	E14	25R39/E14	84803*	65	65	1 000	39	64 .5	25 .9	E	1/10/100
2	30	230	E14	30R39/E14	84804*	80	65	1 000	39	64 .5	30 .5	E	1/10/100
Reflector - R80													
3	60	230	E27	60R80S/E27	92839*	450	35	1 000	80	109.5	60 7	E	1/10
3	100	230	E27	100R80S/E27	92860*	800	35	1 000	80	109.5	100	E	1/10

* Not CE compliant product

** Will be delisted

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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	4
40	230	E14	40R50/Y/E14**	91388	Yellow	1 000	50	86	39.2	N/A	1/25	4
40	230	E14	40R50/G/E14**	91389	Green	1 000	50	86	39.2	N/A	1/25	4
40	230	E14	40R50/B/E14**	91387	Blue	1 000	50	86	39.2	N/A	1/25	4
Coloured Reflector - R63												
40	230	E27	40R63/R/E27**	91532	Red	1 000	63.5	100	39.4	N/A	1/25	5
40	230	E27	40R63/Y/E27**	91531	Yellow	1 000	63.5	100	39.4	N/A	1/25	5
40	230	E27	40R63/G/E27**	91533	Green	1 000	63.5	100	39.4	N/A	1/25	5
40	230	E27	40R63/B/E27**	91530	Blue	1 000	63.5	100	39.4	N/A	1/25	5
Coloured Reflector - R80												
60	230	E27	60R80/R/E27**	91528*	Red	1 000	80	109.5	57.3	N/A	1/40	5
60	230	E27	60R80/Y/E27**	91527*	Yellow	1 000	80	109.5	57.3	N/A	1/40	5

4 5

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	-	5 000	125	173	-	-	1/9
1	250	230-240	E27	250R/IR/CL/E27	28724	-	5 000	125	173	-	-	1/9
1	275	230-240	E27	275R/IR/CL/E27	32569	-	5 000	125	173	-	-	1/9
Infrared Reflector Hard Glass - Red front												
2	100	230	E27	100R95/IR/R/E27	92365	-	6 000	95	129	-	-	1/32
2	150	240	E27	150R/IR/R/E27	91372	-	5 000	125	173	-	-	1/10
2	250	240	E27	250R/IR/R/E27	91391	-	5 000	125	173	-	-	1/10
Infrared Reflector Hard Glass - Satin												
2	150	240	E27	150/IR/F/E27	91288	-	5 000	125	173	-	-	1/10
2	250	240	E27	250R/IR/F/E27	91390	-	5 000	125	173	-	-	1/10
Pygmy Freezer - 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	91955/84807	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 Oven - Clear												
3	15	230-240	E14	15P1/RS/CL/E14	84790	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	43381	160	1 000	25	55	23.6	E	250

* Not CE compliant product

** Will be delisted

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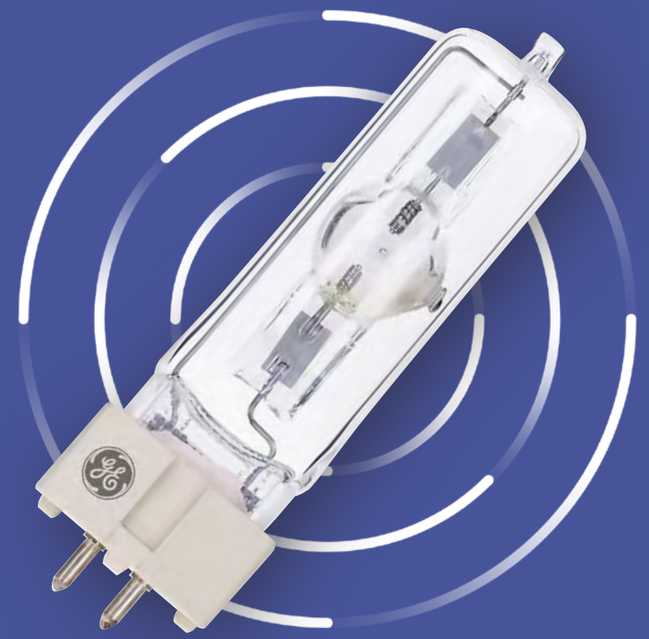


Specialty Lamps

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 (operated on electronic ballast)

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

Cinema Studio Biax™

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

Single Ended Hot Restrike

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

Double ended halogen

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

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

Theatre

Single Ended Cold Start

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

CSS/CSI/CID

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

Projection and photography

Specialty 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
Cinema Studio Biax™																
1	55	–	2G11-4 PIN	F55BX/STUDIOBIAX32	41869	4 100	3200	–	–	8 000	55	–	U	A	–	10
1	55	–	2G11-4 PIN	F55BX/STUDIOBIAX56	41873	4 100	5600	–	–	8 000	55	–	U	A	–	10
1	55	–	2G11-4 PIN	F55BX/CINPLUS/32	41903	2 400	3200	–	–	2 000	55	–	U	B	–	10
1	55	–	2G11-4 PIN	F55BX/CINPLUS/55	41911	2 400	5600	–	–	2 000	55	–	U	B	–	10
Discharge Hot Restrike																
2	125	80	GZX9.5	CSR125/SE/HR	48461	9 800	6000	–	–	200	75	15.Sep	U	A	–	10
3	200	70	GZY9.5	CSR200/SE/HR/UVC	48462	17 500	6000	–	–	200	80	19	U	A	–	10
3	400	70	GZZ9.5	CSR400/SE/HR/UVC	21853	32 000	6000	–	–	750	110	14	U	A	–	10
3	575	95	G22	CSR575/SE/HR/UV-C	69061	48 000	6000	–	–	750	145	31	U	A	–	10
3	800	95	G22	CSR800/SE/HR/UVC	22495	64 000	5600	–	–	750	145	30	U	A	–	10
3	1200	100	G38	CSR1200/SE/HRUVC	27764	110 000	6000	–	–	750	200	42 +1 -1	U	A+	–	6
4	1600	150	G22	CSR1600/SE/HR/UV-C	65754	130 000	6000	–	–	500	175	40	U	A+	–	6
4	1800	150	G38	CSR 1800/SE/HR	77390	165 000	6000	–	–	750	200	42 +1 -1	U	A+	–	6
5	2500	115	G38	CSR 2500/SE/HR/UV-C	40482	220 000	6000	–	–	500	240	60 +1 -2	U	A	–	6
5	4000	200	G38	CSR4000/SE/HRUVC	27765	380 000	6000	–	–	500	260	75 +1 -2	U	A+	–	6
6	6000	130	G38	CSR 6000/SE/HR/UV-C	40492	540 000	6000	–	–	300	360	85 +1 -3	U	A+	–	6
6	9000	160	G38	CSR9000/SE/HR	65852	875 000	6000	–	–	400	360	85 +1 -3	U	A+	–	6
6	12 000	225	G38	CSR12000/SE/HR/UV-C	97272	1 150 000	6000	–	–	300	450	103 +1 -3	U	A+	–	4
7	18 000	225	30x70 Cyl 165mm	CSR18000/DE	48459	1 650 000	6000	–	–	500	500	73	HOR±15°	A+	–	4
6	18 000	225	G51	CSR18000/SE/HR	22496	1 650 000	6000	–	–	250	470	103 +1 -3	U	A+	–	1
Single Ended Halogen (Lower wattages are shown in the Theatre section)																
8	1250+650	230-240	GX38q	CP105 1250/650W 230-240V	88880	27 000+13 000	3050	CP105	–	250	220	–	BD45	D	1919.00	1
8	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	240	G38	HX5000/240V	71379	133 000	3200	–	–	200	270	65	U	C	4652.57	6
12	5000	230	G38	CP29 230V	88875	13 500	3200	CP29	–	375	279	–	BDTH	C	5040.00	12
11	5000	240	G38	CP29 240V	88876	13 000	3200	CP29	–	375	279	–	BDTH	C	5040.00	12
13	10 000	220-230	G38	CP83 220-230V	12036	280 000	3200	CP83	–	500	405	–	BDTH	C	9965.00	1
13	10 000	240	G38	CP83 240V	12037	280 000	3200	CP83	–	500	405	–	BDTH	C	9777.33	1
15	12 000	230	GX38	Q12MT26/CL 230V	48771	400 000	3400	–	–	130	410	–	BD45	B	12600.37	1
14	12 000	240	GX38	Q12MT26/CL 240V	48779	400 000	3400	–	–	130	410	–	BD45	C	11659.73	1
15	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

Specialty lamps

Theatre Lamps

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
Double Ended Quartzline®															
500	120	R7s	TU FDN Q500T3/4	23734	12 800	3200	P2/31	FDN	400	119	BDTH	C	545.90	12	17
500	120	R7s	TU FDF Q500T3/4CL	23735	13 250	3200	P2/30	FDF	400	119	BDTH	C	543.56	12	17
625	230	R7s	TU P2/10 Q625T3/4CL 220/230V	19697	16 900	3200	P2/10	–	300	189	HOR±15°	C	651.43	12	17
625	240	R7s	TU P2/10 Q625T3/4CL 240/250V	19698	16 900	3200	P2/10	–	300	189	HOR±15°	C	621.29	12	17
650	120	R7s	FAD Q650T4/CL P2/6	30325	16 500	3200	P2/6	FAD	100	80	U	C	675.27	24	18
750	120	R7s	TU EMD Q750T3/4	23755	19 500	3200	–	EMD	400	119	U	C	814.39	12	19
750	120	R7s	TU EJG Q750T3/4CL	23756	20 600	3200	–	EJG	400	119	HOR±15°	C	815.07	12	19
800	240	R7s	DXX 800-T4-4CL 240V	36953	21 400	3200	P2/13	DXX	75	80	U	C	788.20	24	18
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	20
800	240	R7s	TU P2/11 EMF Q800T3/4	23761	21 400	3200	P2/11	EMF	150	119	HOR±15°	C	825.38	12	21
1000	120	R7s	DXW	30157	28 000	3200	–	DXW	150	95	U	C	1042.51	24	17
1000	120	R7s	TU FHM Q1000T3/4	23792	27 300	3200	P2/29	FHM	400	119	U	C	1083.85	12	17
1000	120	R7s	TU FFT Q1000T3/1CL	33280	26 400	3200	–	FFT	400	167	U	D	1087.56	12	22
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	22
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	22
1000	120	R7s	TU FCM P2/28 Q1000T3/4CL	23797	28 000	3200	P2/28	FCM	400	119	HOR±15°	C	1081.09	12	22
1250	240	R7s	TU P2/12 Q1250T3/4CL 240/250V	19696	35 000	3200	P2/12	–	300	189	HOR±15°	C	1281.60	12	17
2000	230	R7s	P2/27 FEX 230V	88482	50 000	3200	P2/27	FEX	300	143	HOR±15°	C	1965.54	12	23
2000	240	R7s	P2/27 FEX 240V	88481	50 000	3200	P2/27	FEX	300	143	HOR±15°	C	1975.92	12	23
2000	120	R7s	FEY Q2000 T8/4CL	88629	57 000	3200	P2/27	FEY	400	143	HOR±15°	C	2175.97	12	23
Single Ended Halogen — HPL (19 mm diameter)															
375	115	G9.5/Heat Sink	HPL375-LL-C 115V	88539	8 000	3200	–	–	1 000	106	U	E	420.07	12	24
375	115	G9.5/Heat Sink	HPL375-C 115V	88540	10 540	3050	–	–	300	106	U	C	418.52	12	24
575	120	G9.5/Heat Sink	HPL 575-X LL-C 120V	88434	12 360	3050	–	–	2 000	106	U	D	621.63	12	24
575	115	G9.5/Heat Sink	HPL 575-X LL-C 115V	88435	12 360	3050	–	–	2 000	106	U	D	622.46	12	24
575	120	G9.5/Heat Sink	HPL 575-C 120V	88436	16 520	3250	–	–	300	106	U	C	594.55	12	24
575	115	G9.5/Heat Sink	HPL 575-C 115V	88438	16 520	3250	–	–	300	106	U	C	617.98	12	24
575	240	G9.5/Heat Sink	HPL 575W LL 240V	88475	11 780	3050	–	–	1 500	106	U	D	591.13	12	24
575	230	G9.5/Heat Sink	HPL 575W LL 230V	88476	11 780	3050	–	–	1 500	106	U	D	594.48	12	24
575	240	G9.5/Heat Sink	HPL 575W 240V	88477	14 900	3200	–	–	300	106	U	D	597.77	12	24
575	230	G9.5/Heat Sink	HPL 575W 230V	88478	14 900	3200	–	–	300	106	U	C	599.98	12	24
750	115	G9.5/Heat Sink	HPL 750W-XLL-C 115V	88428	16 400	3050	–	–	2 000	106	U	D	808.07	12	25
750	240	G9.5/Heat Sink	HPL 750W LL 240V	88429	15 600	3050	–	–	1 500	106	U	D	759.59	12	25
750	230	G9.5/Heat Sink	HPL 750W LL 230V	88430	15 600	3050	–	–	1 500	106	U	D	771.10	12	25
750	115	G9.5/Heat Sink	HPL 750-C 115V	88437	22 000	3250	–	–	300	106	U	C	819.39	12	25
750	240	G9.5/Heat Sink	HPL 750W 240V	88473	19 750	3200	–	–	300	106	U	C	773.78	12	25
750	230	G9.5/Heat Sink	HPL 750W 230V	88474	19 750	3200	–	–	300	106	U	C	776.97	12	25

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	Outer qty
1	300	230	GY9.5	CP81 FSL 230V	88433	6 900	3200	CP81	FSL	150	90	BDTH	C	24
1	300	120	GY9.5	CP81 FKW 120V	88443	6 900	3200	CP81	FKW	50	90	BDTH	D	24
1	300	240	GY9.5	CP81 FSK 240V	88444	6 900	3200	CP81	FSK	150	90	BDTH	D	24
2	500	230-240	P28s	T28 230-240V	88451	11 000	3000	T28	-	300	130	BDTH	C	12
3	500	240	GY9.5	CP82 FRJ 240V	88464	12 500	3200	CP82	FRJ	150	90	BDTH	C	24
3	500	230-240	GY9.5	T18 GCW 230- 240V	88465	11 000	3050	T18	GCW	400	90	BDTH	C	24
3	500	230	GY9.5	CP82 FRH 230V	88466	12 500	3200	CP82	FRH	150	90	BDTH	C	24
3	500	120	GY9.5	CP82 FRG 120V	88467	13 000	3200	CP82	FRG	150	90	BDTH	C	24
3	500	230-240	GY9.5	T25 230-240V	88470	11 000	3000	T25	GCW	360	90	BDTH	C	24
2	500	230-240	P28s	T17 FKF 230- 240V	88498	9 500	2950	T17	-	750	130	BDTH	D	12
4	500	120	G22	EGN 120V	88509	13 000	3200	-	EGN	150	140	BDTH	C	12
5	500	120	P28s	BTM 120V	88546	13 000	3200	-	BTM	150	130	BDTH	C	12
2	500	120	P28s	BTL-Q500T6/CL/P 120V	88547	11 000	3000	-	BTL	500	133	BDTH	D	12
6	500	120	P28s	EGE-Q500/CL/P 120V	88617	10 450	2950	-	EGE	2 000	152	U	D	12
6	500	120	G9.5	EHD 120V	88624	10 450	2950	-	EHD	2 000	101.6	U	D	24
7	575	115	G9.5	GLC 575W HP 115V	88423	14 500	3200	-	GLC	300	105	U	D	24
6	575	115	G9.5	GLA 575W HP 115V LL	88424	13 000	3050	-	GLA	1 500	105	U	D	24
8	575	115	G9.5	HX601 FLK/LL 575W/115-120V	88452	10 000	3100	-	EHD	2 000	105	U	D	50
9	575	115	G9.5	FLK 575W 115V G9.5	88548	16 500	3200	-	FLK	300	105	U	C	24
8	600	240	G9.5	GKV LL 240V 600W	88445	11 000	3000	-	GKV	1 500	105	U	D	24
8	600	230	G9.5	GKV LL 230V 600W	88446	11 000	3000	-	GKV	1 500	105	U	D	24
8	600	240	G9.5	GKV 600W 240V G9.5	88447	14 000	3200	-	GKV	250	105	U	C	24
8	600	230	G9.5	GKV 600W 230V G9.5	88448	14 000	3200	-	GKV	250	105	U	C	24
10	650	230	GX9.5	CP23 230V	72680	16 900	3200	CP23	-	100	110	BDTH	C	12
10	650	230-240	GX9.5	T12 230-240V	88431	13 500	3000	T12	-	750	110	BDTH	D	12
8	650	230-240	G9.5	FKR 230-240V	88450	15 000	3100	-	FKR	300	105	U	C	24
10	650	230-240	GX9.5	CP23 230-240V	88455	16 900	3200	CP23	-	100	110	BDTH	C	12
3	650	230-240	GY9.5	CP89 FRM 230- 240V	88461	16 250	3200	CP89	FRM	150	90	BDTH	C	24
3	650	120	GY9.5	CP89 FRK 120V	88462	16 900	3200	CP89	-	200	90	BDTH	C	24
3	650	230-240	GY9.5	T26 GCS 230- 240V	88463	15 500	3100	T26	GCS	400	90	BDTH	C	24
3	650	230-240	GY9.5	T27 230-240V	88469	14 500	3050	T27	GCS	400	90	BDTH	C	24
2	650	230-240	P28s	T13 FKB 230- 240V	88497	13 500	3000	T13	-	750	130	BDTH	D	12
11	650	230-240	G22	CP39 FKH 230- 240V	88531	16 900	3200	CP39	FKH	100	140	BDTH	C	12
6	750	115	G9.5	GLE Q750T6/4CL 115	88426	17 400	3050	-	GLE	1 500	105	U	D	24
6	750	120	P28s	BTN-Q750T7/CL/2P 120	88605	17 600	3050	-	BTN	500	121	BDTH	C	12
12	750	120	P28s	EGG-Q750CL/P 120	88619	15 750	3000	-	EGG	2 000	152	BDTH	E	12
6	750	120	G22	EGR-Q750T7/4CL 120	88621	21 000	3200	-	EGR	200	127	BDTH	C	12
13	750	120	G9.5	EHG Q750/CL/TP 750W 120V	88626	16 500	3000	-	FLK	300	105	U	E	24
14	750	120	G9.5	EHF Q750/4CL	88627	20 000	3200	-	EHF	300	105	U	C	24
14	800	230-240	G9.5	GKV 800W 230-240V	88432	20 000	3200	HX800	-	250	105	U	C	24
6	1000	120	E40	DKZ/DSE Q1000	19926	28 000	3200	-	DSE	750	330	U	C	10

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	Outer qty	Model
1000	120	G38	Q1000T7BP 120	88441	21 700	3200	-	-	750	200	BD	D	6	15
1000	230-240	G9.5	CP77 FEP 230- 240V	88449	25 000	3200	CP77	FEP	300	105	U	C	24	16
1000	230-240	GX9.5	T11 230-240V	88456	23 000	3050	T11	-	750	110	BDTH	C	12	6
1000	230-240	GX9.5	T19 FWR 230-240V	88457	21 000	3050	T19	FWR	750	110	BDTH	D	12	10
1000	230	G22	CP40 FKJ 230V	88458	26 000	3200	CP40	FKJ	200	140	BDTH	C	12	9
1000	230-240	GX9.5	CP24 230-240V	88459	26 000	3200	CP24	-	200	110	BDTH	C	12	17
1000	240	GX9.5	CP70 FVA 240V	88471	25 000	3200	CP70	FVB	200	110	BDTH	C	12	10
1000	230	GX9.5	CP70 FVA 230V	88472	25 000	3200	CP70	FVA	200	110	BDTH	C	12	10
1000	230-240	P28s	CP52 FKN 230-240V	88496	26 000	3200	CP52	FKN	200	121	BDTH	C	12	12
1000	115/120	GX9.5	T11 115-120V	88515	23 500	3050	T11	-	750	110	BDTH	D	24	6
1000	230-240	P28s	T14 FKD 230- 240V	88529	23 000	3050	T14	-	750	130	BDTH	C	12	12
1000	240	G22	CP40 FKJ 240V	88538	26 000	3200	CP40	FKJ	200	140	BDTH	C	12	9
1000	120	P28s	BTR-Q1000T7/4CL/2P120	88607	28 500	3200	-	BTR	250	121	BDTH	C	12	6
1000	120	P40s	BVT-Q1MT7/CL/MP 120V	88608	24 500	3050	-	BVT	500	184	BDTH	C	6	18
1000	120	P28s	EGK-Q1000/4/P 1000W/120V	88614	26 500	3200	-	EGK	300	152	BDTH	C	12	6
1000	120	G22	EGT-Q1000T7/4CL 120V	88622	28 500	3200	-	EGT	250	127	BDTH	C	12	4
1000	120	G9.5	FEL Q1000/4CL 120V	88625	27 500	3200	CP77	FEL	300	105	U	C	24	14
1000	120	G38	CVV-Q1000T7/4CL/BP 1000W/120V	88630	28 500	3200	-	CVV	200	127	BDTH	C	6	6
1000	120	P40s	BVV-Q1MT7/4CL/MP	88631	28 500	3200	-	BVV	200	184	BDTH	C	6	6
1200	80	G22	CP110 OC-1200 80V	88439	37 500	3300	-	-	300	140	BDTH	C	12	11
1200	230-240	GX9.5	CP90 230-240V	88453	33 000	3200	CP90	-	200	110	BDTH	C	12	19
1200	230-240	GX9.5	T29 FWT 230-240V	88454	29 000	3050	T29	FWT	400	110	BDTH	C	12	19
1200	230-240	G22	CP93 230-240V	88508	33 000	3200	CP93	-	200	140	BDTH	C	12	9
1500	120	G38	CXZ-Q1500T10/4CL 1500W/120V	88612	44 500	3200	-	CXZ	400	216	BDTH	C	6	6
2000	120	GY16	CP79 120V	88440	-	n/a	CP79	-	-	145	BDTH	C	12	6
2000	240	G38	CP41 FKK 240V	88488	54 000	3200	CP41	FKK	400	216	BDTH	C	12	9
2000	230	G38	CP41 FKK 230V	88489	54 000	3200	CP41	FKK	400	216	BDTH	C	12	9
2000	230-240	GY16	CP79 230-240V	88503	54 000	3200	CP79	-	350	145	BDTH	C	12	20
2000	230-240	G22	CP92 230-240V	88506	52 000	3200	CP92	-	400	175	BDTH	C	12	21
2000	120	G22	CP92 120V	88507	55 000	3200	CP92	-	400	175	BDTH	C	12	21
2000	230-240	E40	CP59 230-240V	88512	16 500	3200	-	-	100	191	U	C	1	22
2000	230-240	P40s	CP53 230-240V	88532	54 000	3200	CP53	-	400	200	BDTH	C	12	23
2000	230-240	GY16	CP43 FTL 230-240V	88533	54 000	3200	CP43	FTL	400	145	BDTH	C	12	20
2000	120	P40s	BVW-Q2MT10/4CL/MP	88609	59 000	3200	-	BVW	350	215	BDTH	C	6	6
2000	120	G38	CYX-Q2000T10/4CL 120V	88610	59 000	3200	HX270	CYX	400	216	BDTH	C	6	24
2000	120	E40	BWF-Q2000/4CL 120V	88611	54 000	3200	-	BWF	500	191	BDTH	C	6	22
2000	230	GY16	CP 43 FTM 230V BX1/12	96735	54 000	3200	CP43	FTM	400	145	BDTH	C	12	20
2500	230-240	G38	CP94 230-240V	88502	67 500	3200	CP94	-	400	210	BDTH	C	12	25
2500	230-240	G22	CP91 230-240V	88505	67 500	3200	CP91	-	400	175	BDTH	D	12	26
3000	230-240	G38	HX48 230-240V	88874	82 000	3200	HX48	-	400	210	BDTH	C	12	27

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	Outer qty
1	5000	240	G38	HX5000 240V	71379	133 000	3200	-	-	200	270	U	C	6
2	5000	230	G38	CP29 230V	88875	13 500	3200	CP29	-	375	279	BDTH	C	12
1	5000	240	G38	CP29 240V	88876	13 000	3200	CP29	-	375	279	BDTH	C	12
3	10 000	220-230	G38	OT CP83 220-230V 10000W BX 1/1 MIJ	12036	280 000	3200	CP83	-	500	405	BDTH	C	1
3	10 000	240	G38	OT CP83 240V 10000W BX 1/1 MIJ	12037	280 000	3200	CP83	-	500	405	BDTH	C	1
4	12 000	230	GX38	Q12MT26/CL 230V	48771	400 000	3400	-	-	130	410	BD45	B	1
4	12 000	240	GX38	Q12MT26/CL 240V	48779	400 000	3400	-	-	130	410	BD45	C	1
5	20 000	240	GX38	BCM Q20MT32/4CL 240	48774	580 000	3200	-	BCM	400	560	BD45	C	1
6	24 000	240	GX38	Q24MT32/CL 240V	48777	800 000	3400	-	-	150	560	BD45	B	1
7	1250+1250	230-240	GX38q	CP30 230- 240V	88877	27 000 + 27 000	3200	CP30	-	300	220	BD45	D	1
7	1250+2500	230-240	GX38q	CP58 230-240V	88878	27 000 + 59 000	3200	CP58	-	300	220	BD45	C	1
7	1250+650	230-240	GX38q	CP105 1250/650W 230-240V	88880	27 000 + 13 000	3050	CP105	-	250	220	BD45	D	1
7	2500+2500	230-240	GX38q	CP32 230-240V	88879	59 000 + 59 000	3200	CP32	-	100	220	BD45	C	1

Discharge — Single Ended Cold Start

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
250	95	GY9.5	CSD 250/2 SE	10744	18 000	8500	3 000	108	U	A	275.00	10	8
575	97	GX9.5	CSR575/2/SE	69064	46 000	7200	1 000	125	U	A	632.50	10	9
700	70	G22	CSR700/2/SE	49491	55 000	6500	1 000	155	U	A	770.00	10	10
1200	100	G22	CSR1200/2/SE	49490	110 000	7000	800	175	U	A+	1320.00	6	11

Specialty lamps

Club and disco

Model	Wattage (W)	Volts	Product description	Product Code	CCT (K)	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
PAR 36																		
1	30	12.8	4405 12.8V	24425	–	–	Screw Term.	100	50 000	VNSP	6 x 5	–	69.8	114.3	U	Exempt	Exempt	12
2	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
1	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
1	50	28	4505 28.0V	24640	–	–	Screw Term.	400	45 000	NSP	11 x 5	–	69.8	114.3	U	Exempt	Exempt	12
1	100	28	4594 28.0V	24891	–	–	Screw Term.	300	70 000	NSP	13 x 7	–	69.8	114.3	U	Exempt	Exempt	12
1	150	28	4626 28.0V	24964	–	–	Screw Term.	300	25 000	WFL	40 x 9	–	69.8	114.3	U	Exempt	Exempt	12
3	250	28	4596 28.0V	24898	3000	–	Screw Term.	25	150 000	NSP	11 x 12	–	69.8	114.3	U	Exempt	Exempt	12
1	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
1	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
PAR 46																		
4	100	13	4537-2 13.0V	40822	–	–	Screw Term.	25	200 000	SP	–	11 x 6	95.2	146	U	Exempt	Exempt	12
4	250	28	4553 28.0V	24799	–	–	Screw Term.	25	300 000	SP	–	11 x 12	95.2	146	U	Exempt	Exempt	12
5	450	28	Q4681 28.0V	36271	–	–	Screw Term.	50	310 000	SP	–	15 x 9	95.2	146	U	Exempt	Exempt	12
4	450	28	Q4554 28.0V	37706	–	–	Screw Term.	100	65 000	WFL	–	50 x 11	95.2	146	U	Exempt	Exempt	12
PAR 56																		
6	300	240	300PAR56/MFL 240V	18677	–	–	ExMogEndPr GX16d	2 000	30 000	MFL	–	–	127	177.8	U	E	285.58	12
6	300	240	300PAR56/WFL 240V	18678	–	–	ExMogEndPr GX16d	2 000	10 000	WFL	–	–	127	177.8	U	E	285.58	12
6	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
6	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
6	300	230	300PAR56/MFL 230V	20852	–	–	ExMogEndPr GX16d	2 000	30 000	MFL	–	–	127	177.8	U	E	293.19	12
6	300	230	300PAR56/NSP 230V	20853	–	–	ExMogEndPr GX16d	2 000	40 000	NSP	–	–	127	177.8	U	E	293.19	12
6	300	230	300PAR56/WFL 230V	20854	–	–	ExMogEndPr GX16d	2 000	10 000	WFL	–	–	127	177.8	U	E	293.19	12
6	300	12	300PAR56/WFL 12V	23427	–	–	Screw Terminals	1 000	–	WFL	–	–	127	177.8	U	C	309.51	12
PAR 64																		
7	250	28	4552 28.0V	40576	–	–	Screw Terminals	25	500 000	SP	–	7 X 8	152.4	203.2	U	Exempt	Exempt	12
8	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
8	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
8	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
8	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
8	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
8	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
8	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
8	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
8	600	28	Q4559X 28.0V	42552	–	–	Screw Terminals	100	765 000	SP	11x7.5	–	152.4	203.2	U	Exempt	Exempt	12
8	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
8	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
8	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
8	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
8	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
8	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
8	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
8	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
8	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
8	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

1 2 3 4 5 6 7 8

Specialty lamps

Projection and photography

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
CSI / CID / CSS																		
9	140	85	GY9.5	CSS150/CAP/50	88485	9,000	5000	1 000	–	48	22	30	–	48	VBD±90	A	154.00	10
10	400	100	Special	CSI400/G22 99-0202	88412	32 000	4000±400	500	–	–	–	–	–	87	VBD±90	C	440.00	1
10	400	100	Special	CSI400 99-0201	88495	32 000	4000±400	500	–	–	–	–	–	55	VBD±90	A	440.00	1
13	1000	80	G22	CID1000/G22 99-0222	88493	70 000	5500±400	500	–	–	–	–	–	115	BDTH	A	1100.00	1
11	1000	80	G22	CSI1000/G22 99-02	88494	90 000	4000±400	500	–	–	–	–	–	115	VBD±90	A+	1100.00	1
12	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	G38	CSI1000/PAR64/G38	88514	76 000	3800±500	3 500	–	–	18	6	1 350 000	175	U	C	1100.00	1

Model	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
Specialist Projector																
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	150	230-240	G6.35	A1/248 230-240V	88492	3 000	–	A1/248	–	50	–	62	BDTH	D	152.55	50
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	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

Model	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
Single Ended Tungsten Halogen																
17	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
19	500	230-240	GY9.5	M40 230-240V	88468	8 500	2900	M40	–	2 000	–	85	BDTH	E	495.25	24

9 10 11 12 13 14 15 16 17 18 19

Specialty Lamps / Entertainment Lamps

Brand cross reference

SKU	GE Lighting	Osram	Philips
Discharge — Single Ended Hot Restrike			
48461	CSR125/SE/HR	HMI125W	MSR125/HR
93011465	CSR200/SE/HR/UV-C	HMI200W/SE	MSR200/HR
93011463	CSR800/SE/HR/UVC	HMI800W/SEL	–
27764	CSR 1200 SE/HR/UV- C	HMI1200W/SE	MSR1200/HR
77390	CSR 1800/SE/HR	HMI1800W/SE/XS	–
40482	CSR 2500/SE/HR/UV-C	HMI2500W/SE	MSR2500/HR
27765	CSR 4000SE/HR/UV- C	HMI4000W/SE	MSR4000/HR
40492	CSR 6000/SE/HR/UV-C	HMI6000W/SE	MSR6000/HR
22496	CSR18000/SE/HR	HMI18000W/SE	MSR18000/HR
48453	CSR1200/DE	HMI1200W/GS	MSI1200
48456	CSR6000/DE	HMI6000W	MSI6000
48457	CSR12000/DE	HMI12000W/GS	MSI12000
48459	CSR18000/DE	HMI18000W	–
Discharge — Single Ended Cold Start			
10744	CSD 250/2 SE	HSD250/80	MSD250/2
49492	CSR575/2/T/SE	HSR575/2	MSR575/2
49491	CSR700/2/SE	HSR700/2	MSR700/2
49490	CSR1200/2/SE	HSR1200/2	MSR1200/2
Discharge — CSR Turn and Lock (TAL)			
78718	CSR700/TAL/PGJX28	HTI 700W/75/P28	MSR 700/2 MiniFastFit
Discharge — Double Ended Hot Restrike			
45231	CSR575/SS/DE/75	–	–
22493	CSR700/S/DE/60	HTI700W/D4/60	–
41357	CSR700/S/DE/72	HTI700W/D4/75	MSR700/SA/2/DE
21849	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 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 EL

Lamp volts: 205V
Current: 4.4A
Wattage: 765W
100 h lumens: 104 000
100 h PAR: 1390 µmole/sec
Packing: 12 or 63
(Electronic ballast)

Single Ended 400V

Specialty

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	N/A	293	130	178	51	E40/45	112 000	1320	Hard	Universal	3
400V — E40 Cap															
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/2/E40 / EL BULK 1/63	–	43437	293	143	175	51	E40/45	104 000	1390	Hard	Universal	3
205	4.4	765	LU400V/750W/PSL/T/2/E40/ EL 1/12	43438	–	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 Ballast

1 2 3 4

Specialty

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

Specialty Lamps / Special Solutions Lamps

Health and Safety

UVC Germicidal T5/T8

Model	Wattage (W)	Volts	Cap	Product Description	Product Code	Peak Wavelength (nm)	Rated life (h)	Length (mm) min	Length (mm) max	Pack Qty
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

Black Light T8

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

* Will be delisted without direct substitute

Insect Control

UVA Blacklight Biax™ — Internal Starter

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
2	9	60	G23	F9BX BL G23	42935	440	368	167	440	10

UVA Blacklight Biax™ L — External Starter

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
-	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

Specialty Lamps / Special Solutions Lamps

Industrial Heating

Quartz Heat

Wattage (W)	Volts	Cap	Product Description	Product Code	CCT (K)	Rated life (h)	Length (mm)	Pack Qty	Model
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

Airfield Lighting

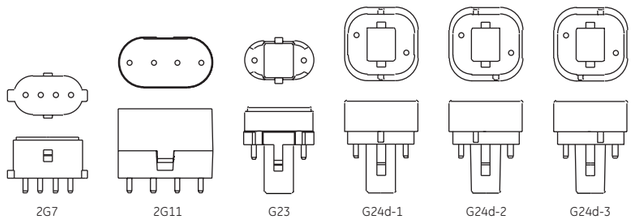
Wattage (W)	Volts	Cap	Product Description	Product Code	Lumen (lm)	Rated life (h)	Length (mm)	Pack Qty	Model
30	6.6A	Gz9.5 2 Pin	EXL	11478	375	1 000	44.5	24	10
45	6.6A	Gz9.5 2 Pin	EXM	11482	750	1 000	44.5	24	11
45	6.6A	Mycalex cap & Prefocus collar	AF6/2 6.6A 45W	88420	760	600	54	100	12
100	6.6A	Mycalex 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

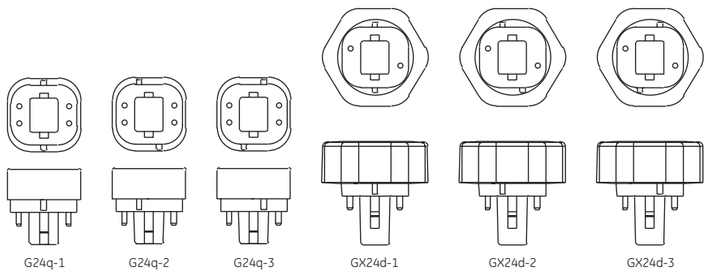
* While stock lasts

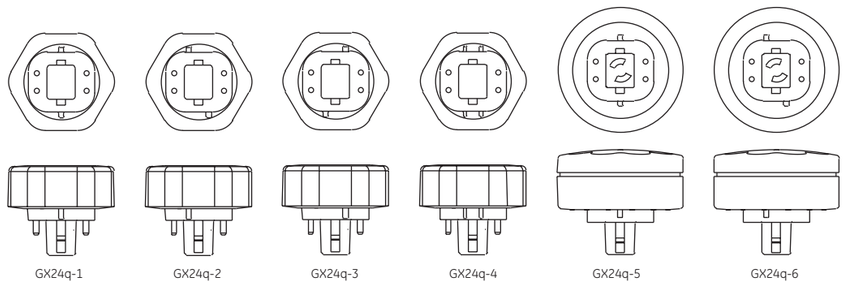
10 11 12 13 14 15 16 17 18 19 20

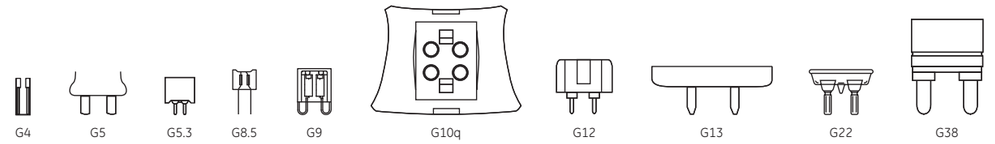
Cap Drawings

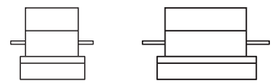
All cap drawings are a guide, if further technical details are required please contact your nearest sales office.

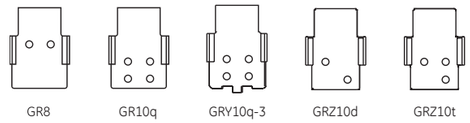


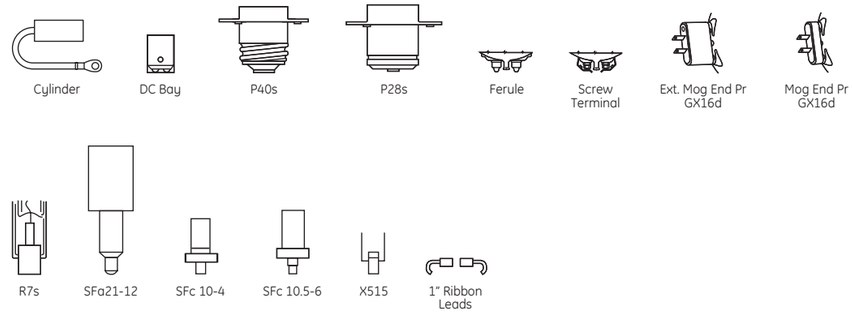












Glossary

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.

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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,

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and so on.

Task Lighting
Supplemental lighting provided to assist in performing a localized task, e.g. a table lamp for reading or an inspection lamp for fabric inspection.

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 return their waste equipment free of charge.

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