Traditional lamps

Product catalogue

2018

TUNGSRAM

European Producer
Lighting Solutions

Joerg Bauer
President & Chief Executive Officer

www.tungsram.com

Dear Partner,

Welcome to Tungsram and a bright future for our respective businesses.

With a history that stretches back to 1896, the Tungsram name has always been highly respected. This heritage has now entered an exciting new phase following our acquisition of GE Lighting's Europe, Middle East, Africa and Turkey operation, together with GE's Global Automotive Lighting business.

So what does this mean for you, our valued partners? I firmly believe that the revival of the Tungsram brand represents a major opportunity for all of us, a chance to move forward with confidence and increase our share of national and international markets.

We will of course continue to offer a comprehensive range of market-leading lighting solutions, from traditional technologies such as HID, LFL, CFL, Halogen and Specialty lamps, to ultra-efficient, high performance indoor and outdoor LED solutions. Our renowned automotive lighting ranges include basic and premium lamps for original equipment and aftermarket, and we supply products for all major auto brands.

Our new company will drive forward the design and development of all kinds of light sources, from traditional technologies to state-of-the-art LED products, and will secure our position as a global force in lighting solutions.

In addition, we will work towards ever more efficient and advanced solutions in areas such as human centric light, energy optimisation and system intelligence.

Tungsram was the most innovative Hungarian industrial company of the last century and, by applying this attitude to a 21st century business, we will deliver the solutions, products and services that your customers are looking for.

These are exciting times for Tungsram. We are committed to enhancing the support we offer our partners – following the principle of "What can we do for your success?" – and we look forward to continuing our journey together.

Thank you.
Joerg

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Introduction

Serving the lighting industry through innovation and tradition

We have been at the forefront of innovation from our earliest days

The best solution for each and every application

There remains a place for virtually every type of lighting and the breadth of our ranges means we can deliver the best possible solution to any need, irrespective of the technology.

From the reliability and outstanding colour rendition of Ceramic Metal Halide (CMH) lamps to the energy efficiency of Compact Fluorescent Lamps (CFL), from the light distribution and lumen maintenance of Linear Fluorescent Lamps (LFL) to the performance and ready availability of our Specialty Lamps, we can supply the right solution for any and every application.

Our experience of working with these technologies in unsurpassed and we continue to play a central role in their development as the world looks for ever more efficient lighting solutions.

So whatever your specific combination of requirements – light quality, lamp form, colour accuracy, lumen maintenance, service life, operating cost – you can be confident of getting precisely what you need from GE Lighting.

HID

High Intensity Discharge Lamps

HID

High Intensity Discharge Lamps

Ultra-efficient lighting for indoor and outdoor applications

HID lamps combine high efficacy and outstanding colour rendition with a long working life to deliver a highly attractive solution for a range of indoor and outdoor applications including retail display, industrial lighting, street lighting and public areas.

Our ranges include ConstantColor™ Ceramic Metal Halide (CMH), Quartz Metal Halide (QMH) and Lucalox™ High Pressure Sodium (HPS) technologies.

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 the 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 range of products to meet different applications

The 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.
The 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 a 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 – innovative lighting solutions for retail and more

Combining great performance and best-in-class rated life, ConstantColor™ CMH Standard Lamps offer an attractive, value for money solution for replacement applications. Energy efficiency and excellent lumen maintenance 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

CMH Outdoors – efficient white lighting for streets and roadways

Our ConstantColor™ CMH StreetWise™ range represents a major advance in outdoor lighting technology, offering an exceptional combination of light quality and energy efficiency.

A bright white light makes these lamps ideal for street and roadway lighting. This attractive light quality – much closer to natural daylight – makes driving safer through easier recognition of shapes and colour, helps pedestrians feel more comfortable and secure, and enhances the urban environment.

A high degree of efficiency also results in substantial energy savings – an increasing important factor when lighting accounts for more than 20% of energy consumption around the world.

The 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 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.

High Intensity Discharge Lamps

Product overview

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

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

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

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

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

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

Double Ended (TD)

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

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

MR16 Precise™, and Standard

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

AR111

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

PAR20

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

PAR30

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

ConstantColor™ CMH (Ceramic Metal Halide) Reflectors

Open Rated Elliptical

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

Elliptical

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

StreetWise™

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

Elliptical Clear

Cap: E27
Wattages: 70 – 100W
Colours: 830
Rated life: 15 000 h

Tubular

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

Open Rated Tubular

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

ConstantColor™ CMH (Ceramic Metal Halide) Elliptical and Tubular

CMH Standard Ballasts

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

CMH Miniature Ballasts

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

CMH Ballasts

High Intensity Discharge Lamps

Product overview

Single Ended

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

Double Ended

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

Double Ended Coloured

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

Tubular

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

Elliptical

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

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

ConstantColor™ – CMH Supermini

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
1	20	95	GU6.5	CMH20/TC/UVC/830/GU6.5	40399	1 615	830	U	12 000	12 000	52	13	22	A	12
1	35	90	GU6.5	CMH35/T/UVC/930/U/GU6.5 PRECISE™	67685	4 000	930	U	18 000	18 000	52	13	42.9	A+	12
1	35	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

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
2	20	90	G8.5	CMH20/TC/UVC/U/830/G8.5 PLUS	39858	1 650	830	U	12 000	12 000	85	14.5	21.8	A	12
2	35	90	G8.5	CMH35/T/UVC/U/830/G8.5 PLUS	43273	3 400	830	U	16 500	16 500	85	14.5	43.4	A+	12
2	35	90	G8.5	CMH35/TC/UVC/U942/G8.5	26348	3 200	942	U	18 000	18 000	85	14.5	44.3	A	12
2	35	90	G8.5	CMH35/TC/UVC/U/930/G8.5 PRECISE™	67683	4 000	930	U	18 000	18 000	85	14.5	42.9	A+	12
2	35	93	G8.5	CMH35/TC/U/UVC/930/G8.5 ULTRA*	76120	3 600	930	U (ECG)/V60 (EM)	16 500	16 500	85	14.5	43.1	A+	12
2	70	90	G8.5	CMH70/TC/UVC/U/942/G8.5	26349	6 200	942	U	15 000	15 000	85	14.5	80.5	A	12
2	70	85	G8.5	CMH70/TC/UVC/U/830/G8.5 PLUS	67698	7 000	830	U	15 000	15 000	85	14.5	79.2	A+	12
2	70	85	G8.5	CMH70/TC/UVC/U/930/G8.5 PRECISE™	67681	7 800	930	U	18 000	18 000	85	14.5	80.3	A+	12

* Will be phased out

ConstantColor™ – CMH Single Ended

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
3	20	90	G12	CMH20/T/UVC/U/830/G12 PLUS	42708	1 650	830	U	12 000	12 000	90	14.5	21.8	A	12
3	35	90	G12	CMH35/T/UVC/U/830/G12 PLUS	43272	3 400	830	U	16 500	16 500	90	14.5	43.4	A+	12
3	35	90	G12	CMH35/T/UVC/U/930/G12 PRECISE™	67684	4 000	930	U	18 000	18 000	90	14.5	42.9	A+	12
3	35	93	G12	CMH35/T/U/UVC/930/G12 ULTRA*	76121	3 600	930	U (ECG)/V60 (EM)	16 500	16 500	90	14.5	43.1	A+	12
3	35	90	G12	CMH35/T/UVC/U/942/G12	92141	3 200	942	U	18 000	18 000	90	14.5	44.6	A	12
3	70	90	G12	CMH70/T/UVC/U/830/G12 PLUS	67699	7 000	830	U	15 000	15 000	90	19	76.5	A+	12
3	70	90	G12	CMH70/T/UVC/U/942/G12	20013	6 000	942	U	15 000	15 000	90	19	80.1	A+	12
3	70	85	G12	CMH70/T/UVC/U/930/G12 PRECISE™	67682	7 800	930	U	18 000	18 000	90	19	80.3	A+	12
3	150	90	G12	CMH150/T/UVC/U/830/G12	20012	14 000	830	U	12 000	12 000	100	19	160.3	A+	12
3	150	90	G12	CMH150/T/UVC/U/942/G12	20014	13 000	942	U	12 000	12 000	100	19	164.3	A	12

* Will be phased out

Product Description - explanation

For further information check the glossary

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

(70) Identifies Lamp's wattage

(UVC) UV Control

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

(G12): Identifies the cap type

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

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

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

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

1 2 3

ConstantColor™ - CMH Double Ended

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
35	90	RX7s	CMH35/TD/UVC/830/RX7s	43278	3 400	830	HOR±45°	–	15 000	118	21	42	A	12	4
70	90	RX7s	CMH70/TD/UVC/830/RX7s	36910	7 000	830	HOR±45°	–	15 000	118	21	80.8	A+	12	4
70	90	RX7s	CMH70/TD/UVC/942/RX7s	38698	6 200	942	HOR±45°	–	15 000	118	21	79.5	A+	12	4
150	96	RX7s-24	CMH150/TD/UVC/830/RX7s-24	36912	14 500	830	HOR±45°	–	15 000	135	27	158.8	A+	12	4
150	96	RX7s-24	CMH150/TD/UVC/942/RX7s-24	38692	12 500	942	HOR±45°	–	15 000	135	27	155.3	A+	12	4

ConstantColor™ - CMH MR16

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Beam Angle (°)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
20	95	GX10	CMH20/MR16/UVC/830/GX10/SP	40400	1 000	12	830	U	12 000	12 000	54.5	51	21.8	A	12	5
20	95	GX10	CMH20/MR16/UVC/830/GX10/FL	40401	1 000	25	830	U	12 000	12 000	54.5	51	21.7	A	12	5
20	95	GX10	CMH20/MR16/UVC/830/GX10/WFL	42691	1 000	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	2 500	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	2 500	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	2 500	40	930	U	18 000	18 000	54.5	51	39.2	A	12	5
35	90	GX10	CMH35/MR16/UVC/930/GX10/SP	88658	2 200	12	930	U	10 000	10 000	54.5	51	42.3	A	12	5
35	90	GX10	CMH35/MR16/UVC/930/GX10/FL	88659	2 200	25	930	U	10 000	10 000	54.5	51	42.2	A	12	5
35	90	GX10	CMH35/MR16/UVC/930/GX10/WFL	88660	2 200	40	930	U	10 000	10 000	54.5	51	42.3	A	12	5
35	90	GX10	CMH35/MR16/UVC/942/GX10/SP	88661	2 200	12	942	U	12 000	12 000	54.5	51	42.3	A	12	5
35	90	GX10	CMH35/MR16/UVC/942/GX10/FL	88662	2 200	25	942	U	12 000	12 000	54.5	51	42.3	A	12	5
35	90	GX10	CMH35/MR16/UVC/942/GX10/WFL	88663	2200	40	942	U	12 000	12 000	54.5	51	42.2	A	12	5

ConstantColor™ - CMH AR111

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Beam Angle (°)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
35	90	GX8.5	CMH35/R111/UVC/930/GX8.5/SP10	99989	1 800	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	2 100	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	2 100	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	3 200	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	3 900	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	3 900	40	930	U	12 000	12 000	95	111	64.3	A	6	6

ConstantColor™ - CMH PAR 20

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Beam Angle (°)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
20	95	E27	CMH20/PAR20/UVC/830/E27/SP8	26478	1 000	10	830	U	12 000	12 000	92	64	21.7	A	15	7
20	95	E27	CMH20/PAR20/UVC/830/E27/FL25	26481	1 000	25	830	U	12 000	12 000	92	64	21.9	A	15	7
35	90	E27	CMH35/PAR20/UVC/830/E27/SP10	21684	2 100	10	830	U	10 000	10 000	92	64	42.7	A	15	7
35	90	E27	CMH35/PAR20/UVC/830/E27/FL25	21685	2 100	25	830	U	10 000	10 000	92	64	42.7	A	15	7
35	90	E27	CMH35/PAR20/UVC/942/E27/SP10	44890	1 950	10	942	U	10 000	10 000	92	64	42.4	A	15	7
35	90	E27	CMH35/PAR20/UVC/942/E27/FL25	44919	1 950	25	942	U	10 000	10 000	92	64	43.8	A	15	7

4 5 6 7

High Intensity Discharge Lamps

ConstantColor™ - CMH PAR 30

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Beam Angle (°)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
1	20	95	E27	CMH20/PAR30/UVC/830/E27/SP10	26497	1 200	10	830	U	12 000	12 000	124	95.5	21.8	A	6
1	20	95	E27	CMH20/PAR30/UVC/830/E27/FL25	26518	1 200	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	2 400	10	830	U	10 000	10 000	124	95.5	43.5	A	6
1	35	90	E27	CMH35/PAR30/UVC/830/E27/FL25	21690	2 400	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	2 225	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	2 225	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	4 700	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	4 700	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	4 300	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	4 300	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

**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	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 StreetWise

5	50	87	E27	CMH50/E/UVC/U/730/E27/D STREETWISE	93080482	5200	730	U	24000	24 000	156	71	59,95	A+	12
5	70	89	E27	CMH70/E/UVC/U/730/E27/D STREETWISE	93080062	7050	730	U	24000	24 000	156	71	78,1	A+	12
5	100	100	E40	CMH100/E/UVC/U/730/E40/D STREETWISE	93079652	9870	730	U	24000	24 000	186	76	107,8	A+	12
5	150	98	E40	CMH150/E/UVC/U/730/E40/D STREETWISE	93079653	15500	730	U	24000	24 000	227	91	165	A+	12

* Will be phased out

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/U/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/U/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/U/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
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

* Will be phased out

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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

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

Arcstream™ Single Ended UVC

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
2	70	95	G12	ARC70/T/U/730/G12*	97286	5 200	3000	70	U	6 000	6 000	87	23	77	A	10

* Will be phased out

Arcstream™ Double Ended UVC

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
3	70	95	RX7s	ARC70/UVC/TD/730/Rx7s	34530	5 500	3000	75	HOR±45°	12 000	114	19	82.5	A	12
3	70	95	RX7s	ARC70/UVC/TD/742/Rx7s	34536	5 500	4200	75	HOR±45°	12 000	114	22	82.5	A	12
3	150	95	RX7s-24	ARC150/UVC/TD/732/Rx7s-24	34527	12 000	3200	75	HOR±45°	12 000	132	22	165	A	12
3	150	95	RX7s-24	ARC150/UVC/TD/742/Rx7s-24	34535	12 000	4200	75	HOR±45°	12 000	132	25	165	A	12

Arcstream™ Double Ended RG-3

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
3	150	95	RX7s-24	ARC150/AQUA/TD/865/Rx7s-24	35284	11 000	6500	85	HOR±45°	8 000	132	25	165	A	12
4	150	110	RX7s-24	ARC150/TD/952/Rx7s-24	93772	11 000	5200	90	HOR±45°	8 000	132	25	165	A	12
4	250	114	Fc2	ARC250/TD/832/Fc2	30099	20 000	3200	75	HOR±45°	12 000	163	25	275	A	12
4	250	115	Fc2	ARC250/TD/842/Fc2	30101	20 000	4200	75	HOR±45°	8 000	163	25	275	A	12

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

Arcstream™ Double Ended Coloured UVC

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

1 2 3 4 5

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	VBU±45°	12 000	–	220	47	295.7	A	12	6
250	112	E40	ARC250/T/H/742/E40**	42357	21 000	4200	70	VBU±15°	12 000	–	220	47	294.9	A	12	6
400	105	E40	ARC400/T/H/742/E40**	42369	35 000	4200	70	HOR±15°	–	10 000	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/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
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

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

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

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High Intensity Discharge Lamps

Kolorarc™ Tubular Clear

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	400	130	E40	KRC400/T/H/960/E40**	30052	28 400	6000	90	HOR±45°	–	14 000	270	58	418.5	A	12
1	400	130	E40	KRC400/T/H/970 /E40	93029234	25 000	7500	90	HOR±45°	–	14 000	270	58	405	A	12
1	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 Diffuse

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	400	130	E40	KRC400/D/H/960/E40*	10834	26 800	6000	90	HOR±45°	–	14 000	282	121	408	B	6
2	400**	130	E40	KRC400/D/VBU/960/E40**	10837	25 400	6000	90	VBU±45°	14 000	–	282	121	405.7	A	6

* 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)

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High Intensity Discharge Lamps

Sportlight™ Linear

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
1500	250	RX7SM	SPL1500/L/H/652/Rx7SM	16920	120 000	5200	65	HOR±15°	–	6 000	256	24	1672	A	1	3
2000	230	spec.	SPL2000/L/H/651/SPEC	16922	200 000	5200	65	HOR±15°	–	6 000	311	26	2339.4	A	1	4

Sportlight™ 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
1000	120	E40	SPL1000/T/H/960/E40	88882	80 000	6000	93	HOR±60°	–	8 000	334	65	1147.1	A	4	5
2000	125	E40	SPL2000/220V/T/H/640/E40	36078	189 000	4000	65	HOR±75°	–	2 000	430	102	2090	A+	4	5
2000	225	E40	SPL2000/380V/T/H/960/E40	30102	170 000	6000	93	HOR±60°	–	5 000	430	102	2294.8	A	4	5

Sportlight™ Internal Ignitor

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
2000	225	E40	SPL2000/380V/I/T/H/960/E40	30103	170 000	6000	93	HOR±60°	–	5 000	430	101	2292	A	4	6
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	6

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).

Lucalox™ XO Superlife Tubular Clear

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
70	90	E27	LU 70/XO/SBY/T/E27	88258	6 600	2000	25	U	50 000	156	39	83.1	A+	25	7
100	100	E40	LU 100/XO/SBY/T/E40	88256	10 500	2000	25	U	60 000	211	48	110.3	A+	12	7
150	100	E40	LU 150/XO/SBY/T/E40	78737	17 500	2000	25	U	60 000	211	48	168.9	A+	12	7
250	100	E40	LU 250/XO/SBY/T/E40	78738	33 000	2000	25	U	55 000	260	48	288.7	A+	12	7
400	100	E40	LU 400/XO/SBY/T/E40	78739	55 800	2000	25	U	55 000	283	48	450.6	A++	12	7

Lucalox™ XO Superlife Elliptical Diffuse

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
50	85	E27	LU50/85/XO/SBY/D/E27	97238	3 500	2000	25	U	40 000	156	72	58.3	A	12	8
70	90	E27	LU70/XO/SBY/D/E27	88257	6 000	2000	25	U	50 000	156	71	80.3	A	12	8
100	100	E40	LU100/XO/SBY/D/E40	88255	10 000	2000	25	U	60 000	186	75	113.3	A+	12	8

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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
3	100	100	E40	LU100/100/XO/D/40	93379	10 200	2100	25	U	40 000	186	76	112.2	A+	12
3	150	100	E40	LU150/100/XO/D/40	93380	16 900	2100	25	U	45 000	227	91	170.2	A+	12
3	250	100	E40	LU250/XO/D/40	93381	31 200	2100	25	U	45 000	227	91	285.7	A+	12
3	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															
5	70	90	E27	LU 70/90/MO/T/E27	46221	6 100	2000	25	U	28 000	156	39	78	A+	25
4	100	100	E40	LU100/100/MO/T/40	93767	9 600	2000	25	U	28 000	211	48	107.6	A+	12
4	150**	100	E40	LU150/100/40	44244	15 300	2000	25	U	28 000	211	48	163.8	A+	12
4	250**	100	E40	LU250/T/40	22453	28 500	2000	25	U	28 000	260	48	276.8	A+	12
4	400**	100	E40	LU400/T/40	11678	48 000	2000	25	U	28 000	278	48	431.9	A+	12
4	1000	250	E40	LU1000/40	85886	130 000	2100	22	U	24 000	383	79	1100	A+	6
4	1000	110	E40	LU1000/110/T/40	45751	130 000	2000	25	U	24 000	374	68	1067.1	A++	4
4	100	100	E40	LU100/100/HO/T/E40 MIC	93032129	10 400	2000	21	U	28 000	211	48	110,44	A+	12
4	150	100	E40	LU150/100/HO/T/E40	97241	17 500	2000	21	U	28 000	283	48	172,7	A+	12
4	250	100	E40	LU250/100/HO/T/E40 MIC	93032128	32 500	2000	21	U	28 000	260	48	291,93	A+	12
4	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															
6	70	90	E27	LU70/90/MO/D/E27	46217	5 750	2000	25	U	28 000	156	72	77.8	A	12
5	100	100	E40	LU100/100/MO/D/40**	93766	9 200	2000	25	U	28 000	186	76	114.8	A+	12
5	150	100	E40	LU150/100/D/40**	44245	14 500	2000	25	U	28 000	227	91	163.7	A+	12
5	250	100	E40	LU250/D/40**	44052	26 000	2000	25	U	28 000	227	91	276.5	A+	12

**Not CE compliant product

1 2 3 4 5 5 6

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	6
Lucalox™ Internal Ignitor Elliptical Diffuse															
70	90	E27	LU70/90/MO/D/I/E27	46186	5 750	2000	25	U	17 500	156	72	78.2	A	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	9
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	9
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

7 8 9

High Intensity Discharge Lamps

CMH

Brand cross reference

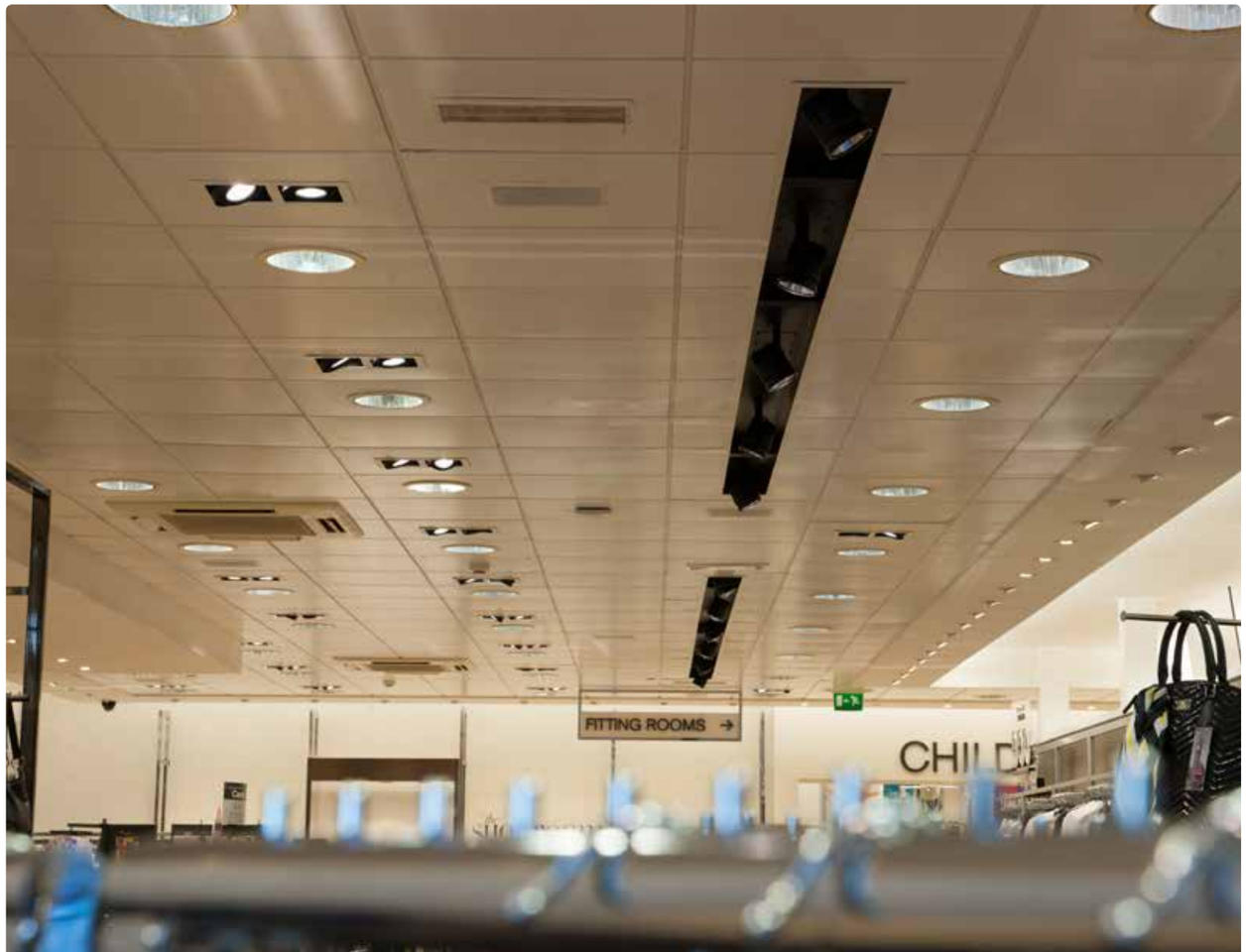
GE / Tungsram	Osram	Philips
ConstantColor™ CMH		
CMH20/TC/UVC/830/GU6.5	HCI-TF 20W/830 WDL PB GU6.5	CDM-Tm Mini GU6.5 20W/830
CMH35/T/UVC/930/GU6.5	HCI-TF 35/930 WDL PB GU6.5	-
CMH35/T/UVC/930/U/GU6.5 PRECISE™	-	CDM-Tm Elite Mini GU6.5 35W/930
CMH35/T/UVC/942/GU6.5	-	-
CMH20/TC/UVC/U/830/G8.5 PLUS	HCI-TC 20W/830 WDL PB G8.5	CDM-TC 20W/830 G8.5
CMH35/T/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
CMH70/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 PLUS	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/SP	-	CDM-Rm Mini 20W/830 GX10 MR16 10D
CMH20/MR16/UVC/830/GX10/FL	-	CDM-Rm Mini 20W/830 GX10 MR16 25D
CMH20/MR16/UVC/830/GX10/WFL	-	CDM-Rm Mini 20W/830 GX10 MR16 40D
CMH35/MR16/UVC/930/GX10/SP	-	-
CMH35/MR16/UVC/930/GX10/FL	-	-
CMH35/MR16/UVC/930/GX10/WFL	-	-
CMH35/MR16/U/930/GX10/SP PRECISE™	-	CDM-Rm Elite Mini 35W/930 GX10 MR16 10D
CMH35/MR16/U/930/GX10/FL PRECISE™	-	CDM-Rm Elite Mini 35W/930 GX10 MR16 25D
CMH35/MR16/U/930/GX10/WFL PRECISE™	-	CDM-Rm Elite Mini 35W/930 GX10 MR16 40D
CMH35/MR16/UVC/942/GX10/SP	-	-
CMH35/MR16/UVC/942/GX10/FL	-	-
CMH35/MR16/UVC/942/GX10/WFL	-	-
CMH20/PAR20/UVC/830/E27/SP8	-	-
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

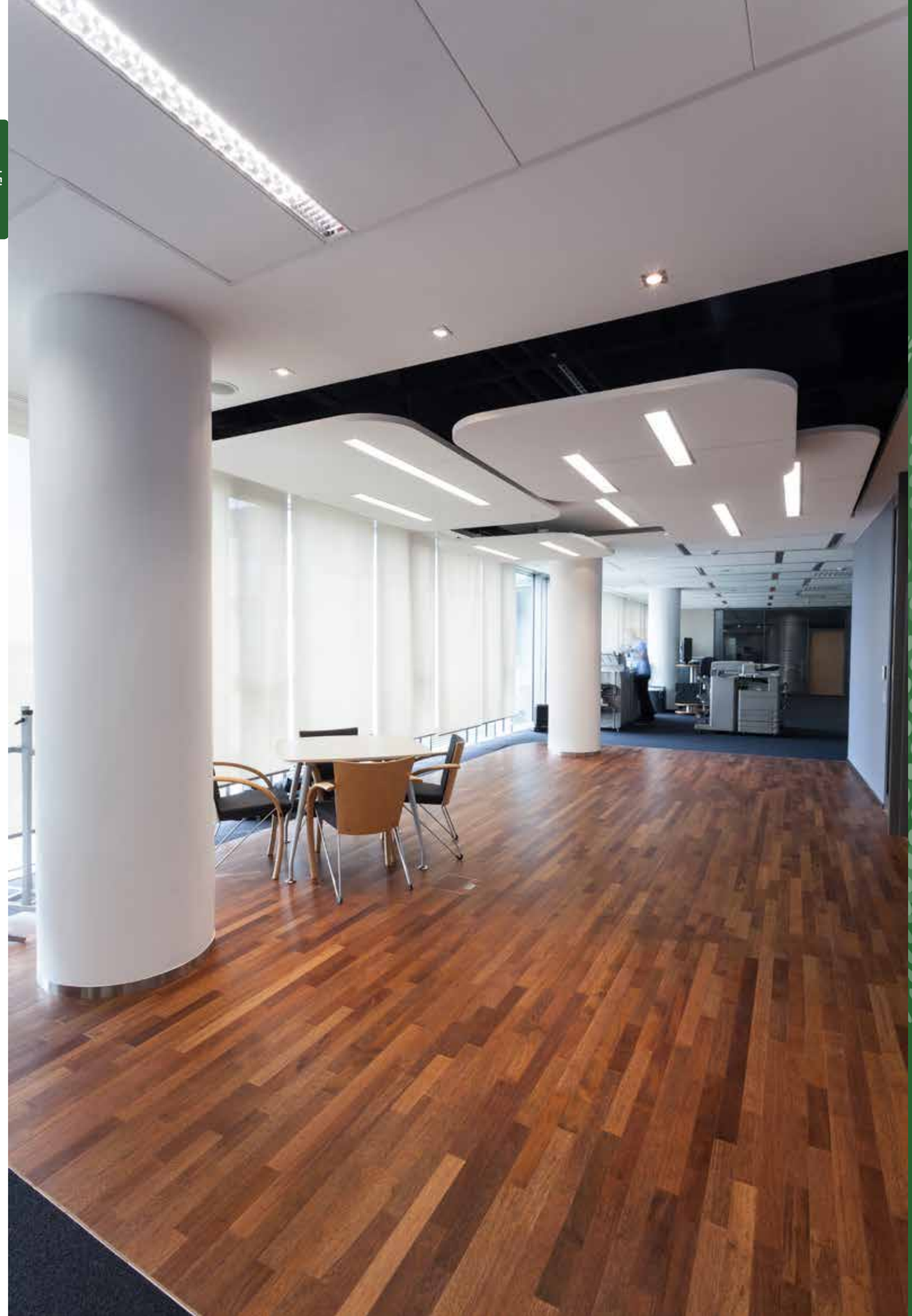
CMH

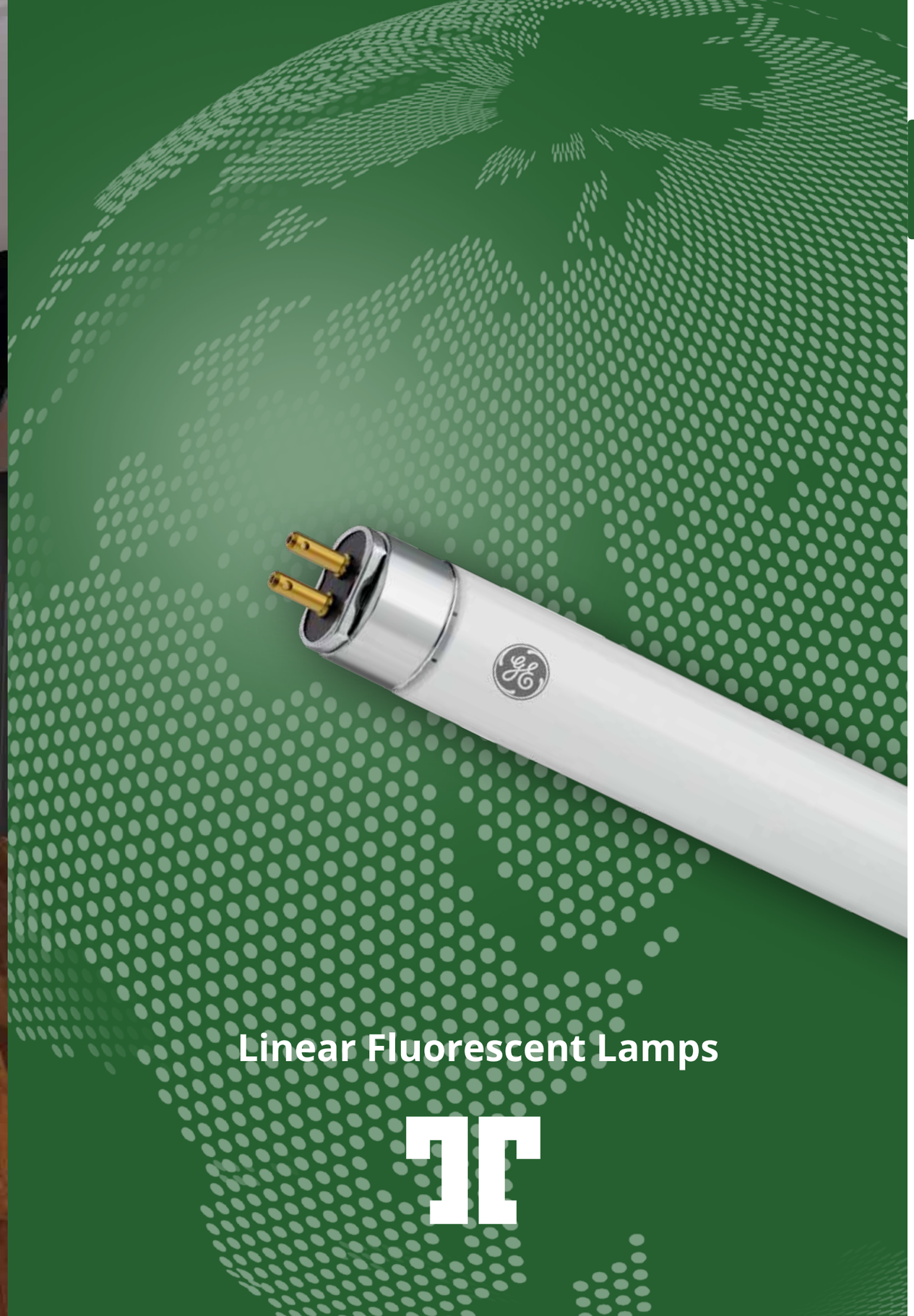
Brand cross reference

GE / Tungsram	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/D	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	-
CMH250/E/UVC/U/830/E40/D	HCI-E 250W/830 WDL PB E40	-
CMH50/TT/UVC/U/730/E27 STREETWISE	HCI-TT 50W/830 SUPER 4Y	CDO-TT 50W/828 E27
CMH70/TT/UVC/U/730/E27 STREETWISE	HCI-TT 70W/830 SUPER 4Y	CDO-TT 70W /828 E27
CMH100/TT/UVC/U/730/E40 STREETWISE	HCI-TT 100W/830 SUPER 4Y	CDO-TT 100W /828 E27
CMH150/TT/UVC/U/730/E40 STREETWISE	-	CDO-TT 150W/828 E40
CMH150/UVC/T/U/842/E40	HCI-TT 150/830 WDL PB E40	-
CMH150/UVC/O/T/U/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
CMH35/R111/UVC/930/GX8.5/FL40	-	CDM-R111 35W/830 GX8.5 40D



LFL





Linear Fluorescent Lamps

LFL

Linear Fluorescent Lamps

Linear Fluorescent Lamps – an outstanding choice of lighting solutions

Linear Fluorescent Lamps (LFLs) deliver a versatile, effective and economical lighting solution for applications as varied as office, retail, hospitality, education and industry.

These robust and reliable products offer benefits including long life, energy efficiency, low maintenance and excellent colour rendering, and our extensive range provides the ability to choose precisely the right combination of size, wattage and colour temperature (2700-6500K). This breadth of choice is further enhanced by our energy saving Watt-Miser™ Lamps and high rated life LongLast™ products.

- Energy efficient (40-110 LPW)
- Long lasting – low maintenance requirements
- CRI 85 and outstanding lumen maintenance
- Excellent light distribution
- 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

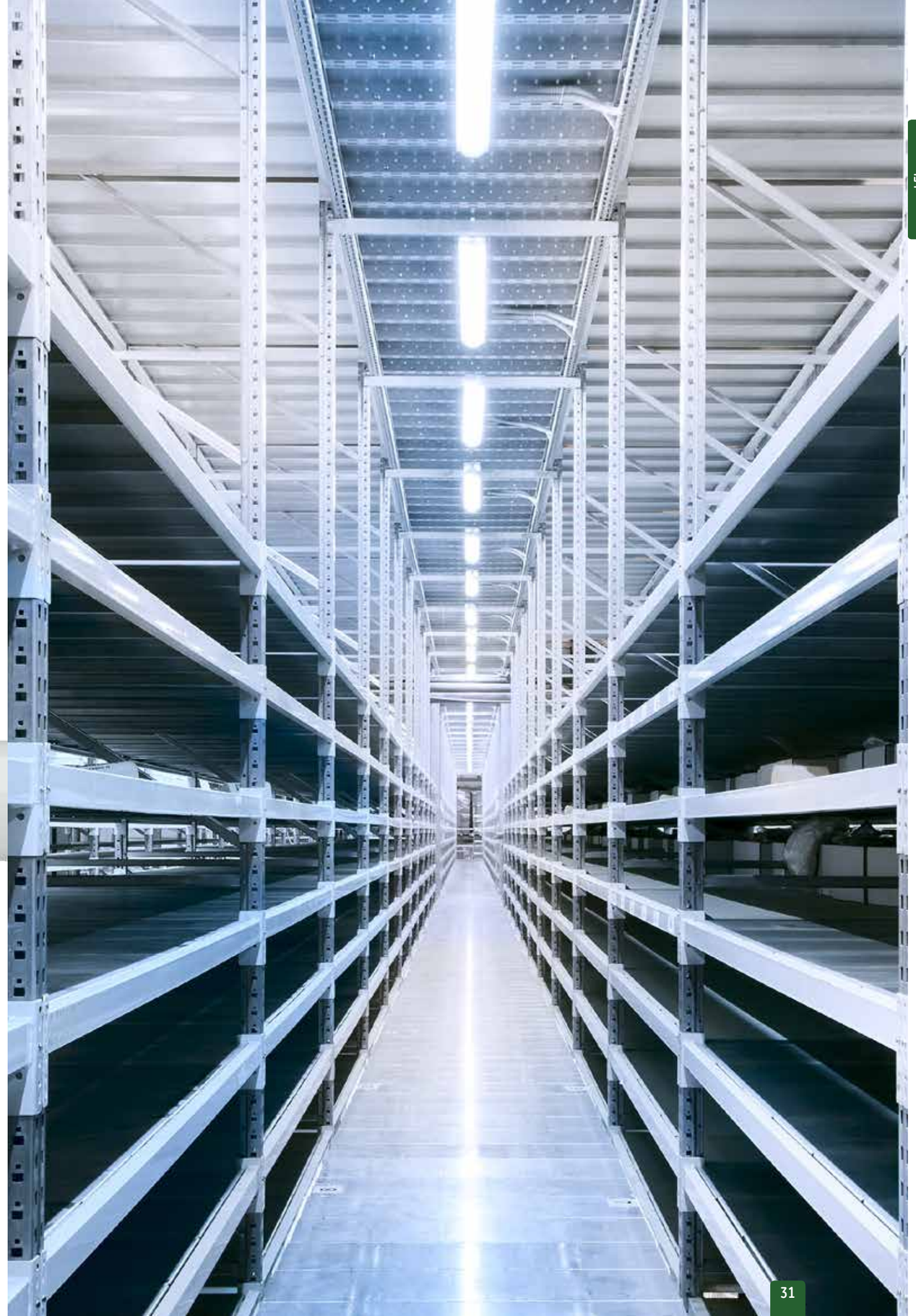
WIDE RANGE OF COLOUR TEMPERATURES

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

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
T5 Watt-Miser™ — High Efficiency, G5 Cap													
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													
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	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													
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

**Will be phased out

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™

1 2

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
T5 LongLast™ — High Efficiency, G5 Cap													
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													
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
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	4
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	4
8	288.3	16	F8W/T5/35/SPECFILL	27027	400	White	3500	54	8 000	8	A	25	4
8	288.3	16	F8W/T5/35/SPECFILL/IND	91451	400	White	3500	54	8 000	8	A	100	4
8	288.3	16	F8W/T5/33/SPECFILL	27011	400	Cool White	4000	60	8 000	8	A	25	4
8	288.3	16	F8W/T5/33/SPECFILL/IND	91450	400	Cool White	4000	60	8 000	8	A	100	4

3 4

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 — Triphosphor, G5 Cap													
1	8	288.3	16	F8W/T5/840/IND	37009	460	Cool White	4000	80+	5 000	8	A	100
T5 Miniature – Standard, G5 Cap													
2	4	135.9	16	F4W/T5/33	39441	130	Cool White	4000	60	5 000	5	B	25
2	6	212.1	16	F6W/T5/35	39442	260	White	3500	54	5 000	6	A	25
2	6	212.1	16	F6W/T5/33	39445	260	Cool White	4000	60	5 000	6	A	25
2	8	288.3	16	F8W/T5/29	37754	395	Warm White	3000	52	5 000	8	A	25
2	8	288.3	16	F8W/T5/35	37756	400	White	3500	54	5 000	8	A	25
2	8	288.3	16	F8W/T5/33	37755	400	Cool White	4000	60	5 000	8	A	25
2	13	516.9	16	F13W/T5/29	39437	850	Warm White	3000	52	5 000	14	A	25
2	13	516.9	16	F13W/T5/35	39439	850	White	3500	54	5 000	14	A	25
2	13	516.9	16	F13W/T5/33	39440	850	Cool White	4000	60	5 000	14	A	25
T5 Circline™ – 2Gx13 Cap													
3	22	230	16	FC22W/T5/830	75709	1 900	Warm White	3000	82	12 000	25	A	10
3	22	230	16	FC22W/T5/840	75720	1 900	Cool White	4000	82	12 000	25	A	10
3	40	305	16	FC40W/T5/830	75712	3 300	Warm White	3000	82	12 000	45	A	10
3	40	305	16	FC40W/T5/840	75713	3 300	Cool White	4000	82	12 000	45	A	10
3	55	305	16	FC55W/T5/830	75717	4 200	Warm White	3000	82	12 000	61	A	10
3	55	305	16	FC55W/T5/840	75718	4 200	Cool White	4000	82	12 000	61	A	10
T8 Watt-Miser™ – G13 Cap													
4	16	589.8	26	F16W/T8/830/WM**	62524	1 300	Warm White	3000	80+	15 000	20	A	25
4	16	589.8	26	F16W/T8/840/WM	62525	1 300	Cool White	4000	80+	15 000	20	A	25
4	16	589.8	26	F16W/T8/860/WM**	62526	1 230	Daylight	6400	80+	15 000	20	A	25
4	32	1 199.4	26	F32W/T8/830/WM**	62527	2 750	Warm White	3000	80+	15 000	37	A	25
4	32	1 199.4	26	F32W/T8/840/WM	62528	2 750	Cool White	4000	80+	15 000	37	A	25
4	32	1 199.4	26	F32W/T8/860/WM**	62529	2 600	Daylight	6400	80+	15 000	38	A	25
4	51	1 500	26	F51W/T8/830/WM**	62570	4 320	Warm White	3000	80+	15 000	59	A	25
4	51	1 500	26	F51W/T8/840/WM	62569	4 320	Cool White	4000	80+	15 000	59	A	25
4	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													
5	18	589.8	26	F18W/T8/840/LL	62566	1 350	Cool White	4000	80+	28 000	22	A	25
5	36	1 199.4	26	F36W/T8/840/LL	62564	3 350	Cool White	4000	80+	28 000	42	A	25
5	58	1 500	26	F58W/T8/830/LL**	62563	5 200	Warm White	3000	80+	28 000	67	A	25
5	58	1 500	26	F58W/T8/840/LL	62562	5 200	Cool White	4000	80+	28 000	67	A	25

**Will be phased out

1 2 3 4 5

Linear Fluorescent Lamps

LFL

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/T8/830/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

**Will be phased out

5

Linear Fluorescent Lamps

Model	Wattage (W)	Volt (V)	Product Description	Rated Life (switching cycles)	Product Code	Pack Qty
Starter						
1	Series 4-8W, 15-22W	220-240 *	155/200/4-22W/TANDEM/BX	10 000	36711	250
1	Series 4-8W, 15-22W	220-240 *	155/200/4-22W/TANDEM/IND	10 000	36714	2,000
1	Single 4-65W	220-240	155/500 4-65W/UNIV/BX	10 000	36536	250
1	Single 4-65W	220-240	155/500 4-65W/UNIV/IND	10 000	36537	2 000
1	Single 75-125W	220-240	155/800/75-125W/BX	6 000	37864	250
1	Single 75-115W	220-240	155/801/75-115W/IND**	6 000	37974	2,000

* Single operation 110-130V
* Will be phased out

1

Linear Fluorescent Lamps

Brand cross reference

GE / Tungsram	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 / Tungsram	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 / Tungsram	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

CFL Non-Integrated

Compact Fluorescent Lamps
Non-Integrated

Compact Fluorescent Lamps Non-Integrated

CFLs (Non-Integrated) – attractive, efficient and long-lasting

Offering significant energy savings compared with previous technologies, Compact Fluorescent Lamps (CFL) can deliver major reductions in energy consumption and CO_2 emissions, helping to reduce the environmental impact of lighting. These lamps also offer a versatile, high quality solution when space is at a premium, with low maintenance requirements and long service life for low cost of ownership.

We offer a comprehensive range of CFL products to meet different requirements, including energy saving Watt-Miser™ Lamps and the low maintenance, extended life LongLast™ range.

- Efficient technology for reduced energy consumption
- Wide range of colour and wattage (2700-6500K, 5-70W)
- Long rated life for low cost of ownership
- Motion detection available with selected drivers
- Wide choice of models for different applications
- Dimmability for further cost/energy savings

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

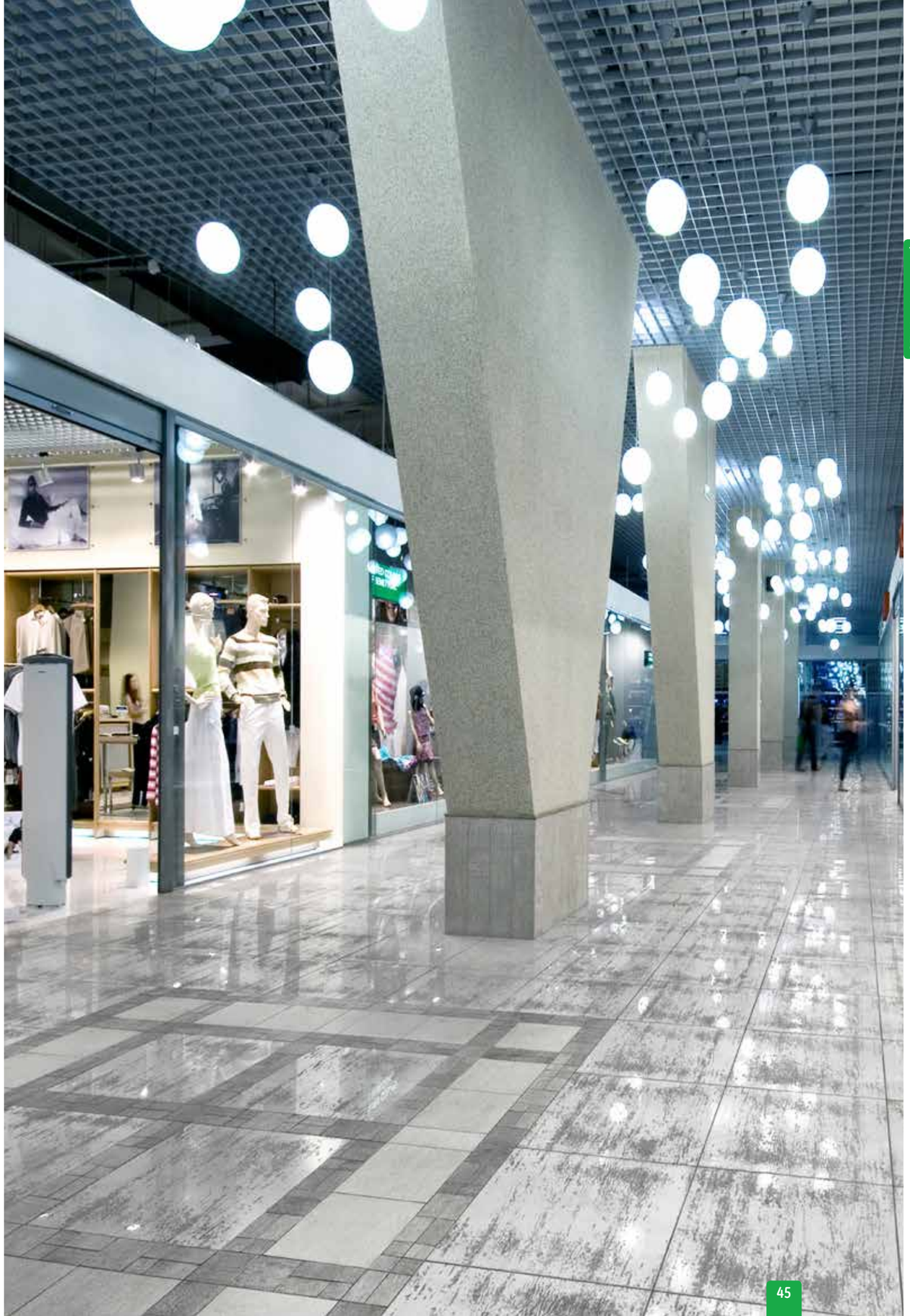
LongLast™

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™ 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

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

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

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

* Life on electronic gear 12h-cycle

Product Description - explanation

For further information check the glossary

F 5 BX / RED / 8 2 7

- F: Identifies lamp as fluorescent
- 5: Lamp's wattage
- BX: Product type
- RED: American standard coding of colour temperature
- 8: **Colour rendering**
  Ra 60-69 (group 2B)
  Ra 70-79 (group 2A)
  Ra 80-89 (group 1B)
  Ra 90-99 (group 1A)
- 2 7: **Colour temperature**
  XX=First 2 digits of temperature in Kelvin - XX00K
  Eg. 27 is 2700K
- 827: **Colour definition**
  827=Extra Warm White
  830=Warm White
  835=White
  840=Cool White
  865=Daylight

1 2

Compact Fluorescent Lamps Non-Integrated

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Biax™ D 2-pin, Internal Starter														
10	64	G24D-1	F10DBX/T4/827/2P	70248	600	2700	82	12 000	34 .4	108 .5	12.7	B	10	3
10	64	G24D-1	F10DBX/T4/830/2P	70258	600	3000	82	12 000	34 .4	108 .5	12.7	B	10	3
10	64	G24D-1	F10DBX/T4/840/2P	70265	600	4000	82	12 000	34 .4	108 .5	12.7	B	10	3
10	64	G24D-1	F10DBX/T4/865/2P	70268	600	6500	82	12 000	34 .4	108 .5	12.7	B	10	3
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
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
Biax™ D/E LongLast™ 4-pin, External Starter Required														
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
Biax™ D/E LongLast™ 4-pin, External Starter Required														
10	64	G24q-1	F10DBX/T4/827/4P	70553	600	2700	82	20 000**	34.4	101	10.5	A	10	5
10	64	G24q-1	F10DBX/T4/830/4P	70555	600	3000	82	20 000**	34.4	101	10.5	A	10	5
10	64	G24q-1	F10DBX/T4/840/4P	70560	600	4000	82	20 000**	34.4	101	10.5	A	10	5
13	91	G24q-1	F13DBX/T4/827/4P	70580	900	2700	82	20 000**	34.4	125.5	13.8	A	10	5
13	91	G24q-1	F13DBX/T4/830/4P	70583	900	3000	82	20 000**	34.4	125.5	13.8	A	10	5
13	91	G24q-1	F13DBX/T4/840/4P	70584	900	4000	82	20 000**	34.4	125.5	13.8	A	10	5
13	91	G24q-1	F13DBX/T4/865/4P	70587	900	6500	82	20 000**	34.4	125.5	13.8	A	10	5

*Will be phased out
** Life on electronic gear 12h-cycle

3 4 5

Compact Fluorescent Lamps Non-Integrated

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Biax™ T 2-pin with Amalgam, Internal Starter														
1	13	91	GX24d-1	F13TBX/827/A/2P	35940	900	2700	82	12 000	49.3	112.9	16.2	B	10
1	13	91	GX24d-1	F13TBX/SPX30/830/A/2P	35966	900	3000	82	12 000	49.3	112.9	16.2	B	10
1	13	91	GX24d-1	F13TBX/SPX41/A/2P	35941	900	4000	82	12 000	49.3	112.9	16.2	B	10
1	18	100	GX24d-2	F18TBX/SPX27/827/A/2P	35945	1 200	2700	82	12 000	49.3	127.4	22.1	B	10
1	18	100	GX24d-2	F18TBX/SPX30/830/A/2P	35944	1 200	3000	82	12 000	49.3	127.4	22.1	B	10
1	18	100	GX24d-2	F18TBX/SPX41/840/A/2P	35939	1 200	4000	82	12 000	49.3	127.4	22.1	B	10
1	26	105	GX24d-3	F26TBX/SPX27/827/A/2P	35959	1 800	2700	82	12 000	49.3	139.9	32.8	B	10
1	26	105	GX24d-3	F26TBX/SPX30/830/A/2P	35952	1 800	3000	82	12 000	49.3	139.9	32.8	B	10
1	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														
2	13	91	GX24q-1	F13TBX/SPX27/827/A/4P	34391	900	2700	82	20 000**	49.3	106.2	13.8	A	10
2	13	91	GX24q-1	F13TBX/SPX30/830/A/4P	34395	900	3000	82	20 000**	49.3	106.2	13.8	A	10
2	13	91	GX24q-1	F13TBX/SPX35/835/A/4P	34400	900	3500	82	20 000**	49.3	106.2	13.8	A	10
2	13	91	GX24q-1	F13TBX/SPX41/840/A/4P	34387	900	4000	82	20 000**	49.3	106.2	13.8	A	10
2	18	100	GX24q-2	F18TBX/SPX27/827/A/4P	34392	1 200	2700	82	20 000**	49.3	120.7	18.2	A	10
2	18	100	GX24q-2	F18TBX/SPX30/830/A/4P	34396	1 200	3000	82	20 000**	49.3	120.7	18.2	A	10
2	18	100	GX24q-2	F18TBX/SPX35/835/A/4P	34405	1 200	3500	82	20 000**	49.3	120.7	18.2	A	10
2	18	100	GX24q-2	F18TBX/SPX41/840/A/4P	34385	1 200	4000	82	20 000**	49.3	120.7	18.2	A	10
2	26	105	GX24q-3	F26TBX/SPX27/827/A/4P	34393	1 800	2700	82	20 000**	49.3	133.2	26.4	A	10
2	26	105	GX24q-3	F26TBX/SPX30/830/A/4P	34397	1 800	3000	82	20 000**	49.3	133.2	26.4	A	10
2	26	105	GX24q-3	F26TBX/SPX35/835/A/4P	34406	1 800	3500	82	20 000**	49.3	133.2	26.4	A	10
2	26	105	GX24q-3	F26TBX/SPX41/840/A/4P	34381	1 800	4000	82	20 000**	49.3	133.2	26.4	A	10
Biax™ T/E LongLast™ 4-pin with Amalgam, External Starter Required with HF gear*														
3	32	100	GX24q-3	F32TBX/SPX27/827/AP4P	94520	2 400	2700	82	20 000**	49.3	146.2	35.2	A	10
3	32	100	GX24q-3	F32TBX/SPX30/830/AP4P	94521	2 400	3000	82	20 000**	49.3	146.2	35.2	A	10
3	32	100	GX24q-3	F32TBX/SPX35/835/A/4P	94522	2 400	3500	82	20 000**	49.3	146.2	35.2	A	10
3	32	100	GX24q-3	F32TBX/SPX41/840/A/4P	94523	2 400	4000	82	20 000**	49.3	146.2	35.2	A	10
3	42	135	GX24q-4	F42TBX/827/A/4P	46312	3 200	2700	82	20 000**	49.3	163.2	47.3	A	10
3	42	135	GX24q-4	F42TBX/830/A/4P	46313	3 200	3000	82	20 000**	49.3	163.2	47.3	A	10
3	42	135	GX24q-4	F42TBX/835/A/4P	46314	3 200	3500	82	20 000**	49.3	163.2	47.3	A	10
3	42	135	GX24q-4	F42TBX/841/A/4P	46315	3 200	4000	82	20 000**	49.3	163.2	47.3	A	10
Biax™ Q/E LongLast™ 4-pin with Amalgam, External Starter Required with HF gear*														
4	57	175	GX24q-5	F57QBX/827/A/4P/LL	45213	4 300	2700	82	20 000**	58.3	180.7	61.6	A	10
4	57	175	GX24q-5	F57QBX/830/A/4P/LL	45204	4 300	3000	82	20 000**	58.3	180.7	61.6	A	10
4	57	175	GX24q-5	F57QBX/835/A/4P/LL	45202	4 300	3500	82	20 000**	58.3	180.7	61.6	A	10
4	57	175	GX24q-5	F57QBX/840/A/4P/LL	45201	4 300	4000	82	20 000**	58.3	180.7	61.6	A	10
4	70	219	GX24q-6	F70QBX/830/A/4P/LL	45208	5 200	3000	82	20 000**	58.3	208.2	77	A	10
4	70	219	GX24q-6	F70QBX/835/A/4P/LL	45219	5 200	3500	82	20 000**	58.3	208.2	77	A	10
4	70	219	GX24q-6	F70QBX/840/A/4P/LL	45218	5 200	4000	82	20 000**	58.3	208.2	77	A	10

* Life test: if HF gear used with 12h cycling, otherwise with 3h cycling
**Life on electronic gear 12h-cycle

1 2 3 4

Compact Fluorescent Lamps Non-Integrated

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Biax™L LongLast™4-pin, External Starter Required with HF gear*														
40	126	2G11	F40BX/830	41171	3 500	3000	82	22 500*	43.8	538.8	44	A	25	5
40	126	2G11	F40BX/835	41172	3 500	3500	82	22 500*	43.8	538.8	44	A	25	5
40	126	2G11	F40BX/840	41173	3 500	4000	82	22 500*	43.8	538.8	44	A	25	5
55	101	2G11	F55BX/830	41174	4 800	3000	82	22 500*	43.8	538.8	60.5	A	25	5
55	101	2G11	F55BX/835	41260	4 800	3500	82	22 500*	43.8	538.8	60.5	A	25	5
55	101	2G11	F55BX/840	41298	4 800	4000	82	22 500*	43.8	538.8	60.5	A	25	5
55	101	2G11	F55BX/865	75695	4 550	6500	82	22 500*	43.8	538.8	60.5	A	25	5
Biax™ L 4-pin, External Starter Required														
18	58	2G11	F18BX/827	41087	1 250	2700	82	15 000*	43.8	231.3	17.6	A	25	6
18	58	2G11	F18BX/830	41088	1 250	3000	82	15 000*	43.8	231.3	17.6	A	25	6
18	58	2G11	F18BX/835	41089	1 250	3500	82	15 000*	43.8	231.3	17.6	A	25	6
18	58	2G11	F18BX/840	41090	1 250	4000	82	15 000*	43.8	231.3	17.6	A	25	6
24	87	2G11	F24BX/827	41128	1 800	2700	82	15 000*	43.8	326.8	24.2	A	25	6
24	87	2G11	F24BX/830	41134	1 800	3000	82	15 000*	43.8	326.8	24.2	A	25	6
24	87	2G11	F24BX/835	41145	1 800	3500	82	15 000*	43.8	326.8	24.2	A	25	6
24	87	2G11	F24BX/840	41155	1 800	4000	82	15 000*	43.8	326.8	24.2	A	25	6
34	120	2G11	F34BX/830	41163	2 800	3000	82	15 000*	43.8	538.8	33	A+	25	6
34	120	2G11	F34BX/835	41166	2 800	3500	82	15 000*	43.8	538.8	33	A+	25	6
34	120	2G11	F34BX/840	41167	2 800	4000	82	15 000*	43.8	538.8	33	A+	25	6
36	106	2G11	F36BX/827	41307	2 900	2700	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/830	41168	2 900	3000	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/835	41169	2 900	3500	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/840	41170	2 900	4000	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/865	75694	2 750	6500	82	15 000*	43.8	421.8	36.6	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

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
2D™ Watt-Miser™														
1	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
1	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
1	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
1	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
1	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
1	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
1	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
1	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
1	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
1	28	108	GR10q	F282D/T5/827/4P GE HB 1/10 WM	85118	2 150	2700	82	15 000	202	204	27	A	20
1	28	108	GR10q	F282D/T5/830/4P GE HB1/10 WM	85120	2 150	3000	82	15 000	202	204	27	A	20
1	28	108	GR10q	F282D/T5/835/4P GE HB 1/10 WM	85130	2 150	3500	82	15 000	202	204	27	A	20
1	28	108	GR10q	F282D/T5/840/4P GE HB 1/10 WM	85132	2 150	4000	82	15 000	202	204	27	A	20
1	38	110	GR10q	F382D/T5/827/4P GE HB 1/10 WM	85133	3 020	2700	82	15 000	202	204	38	A	10
1	38	110	GR10q	F382D/T5/835/4P GE HB 1/10 WM	85134	3 020	3500	82	15 000	202	204	38	A	10
1	38	110	GR10q	F382D/T5/860/4P LEG HB 1/10 WM	85151	2 860	6000	82	15 000	202	204	38	A	10
Biax™ 2D™														
2	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
2	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
2	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
2	55	98	GR10q3	F552D/T5/830/4P	78339	3 900	3000	82	10 000	202	204	61.6	A	20

CFL Non-Integrated

Compact Fluorescent Lamps Non-Integrated

Brand cross reference

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

Compact Fluorescent Lamps Non-Integrated

Brand cross reference

	GE / Tungsram		Osram	Philips	Sylvania
	Biax™ D 2-pin	**Colour Temperature**	**Dulux-D**	**Master PL-C**	**Lynx-D**
26W	F26DBX/827	2700	DULUX D 26W/827	PL-C 26W/827/2P	Lynx D 26W/827
	F26DBX/830	3000	DULUX D 26W/830	PL-C 26W/830/2P	Lynx D 26W/830
	F26DBX/835	3500	DULUX D 26W/835	PL-C 26W/835/2P	Lynx D 26W/835
	F26DBXT4/SPX41/840	4000	DULUX D 26W/840	PL-C 26W/840/2P	Lynx D 26W/840
	F26DBXT4/SPX65/865	6500	DULUX D 26W/865	PL-C 26W/865/2P	Lynx D 26W/865
	Biax™ D/E 4-pin	**Colour Temperature**	**Dulux-DE**	**Master PL-C**	**Lynx-DE**
10W	F10DBX/827/4P/EOL	2700	DULUX D/E 10W/827	PL-C 10W/827/4P	Lynx DE 10W/827
	F10DBX/830/4P/EOL	3000	DULUX D/E 10W/830	PL-C 10W/830/4P	Lynx DE 10W/830
	F10DBX/840/4P/EOL	4000	DULUX D/E 10W/840	PL-C 10W/840/4P	Lynx DE 10W/840
13W	F13DBX/827/4P/EOL	2700	DULUX D/E 13W/827	PL-C 13W/827/4P	Lynx DE 13W/827
	F13DBX/830/4P/EOL	3000	DULUX D/E 13W/830	PL-C 13W/830/4P	Lynx DE 13W/830
	F13DBX/840/4P/EOL	4000	–	PL-C 13W/840/4P	Lynx DE 13W/840
	F13DBX/865/4P/EOL	6500	–	–	Lynx DE 13W/860
18W	F18DBX/827/4P/EOL	2700	DULUX D/E 18W/827	PL-C 18W/827/4P	Lynx DE 18W/827
	F18DBX/830/4P/EOL	3000	DULUX D/E 18W/830	PL-C 18W/830/4P	Lynx DE 18W/830
	F18DBX/835/4P/EOL	3500	DULUX D/E 18W/835	–	Lynx DE 18W/835
	F18DBX/840/4P/EOL	4000	DULUX D/E 18W/840	PL-C 18W/840/4P	Lynx DE 18W/840
26W	F26DBX/827/4P/EOL	2700	DULUX D/E 26W/827	PL-C 26W/827/4P	Lynx DE 26W/827
	F26DBX/830/4P/EOL	3000	DULUX D/E 26W/830	PL-C 26W/830/4P	Lynx DE 26W/830
	F26DBX/835/4P/EOL	3500	DULUX D/E 26W/835	PL-C 26W/835/4P	Lynx DE 26W/835
	F26DBX/840/4P/EOL	4000	DULUX D/E 26W/840	PL-C 26W/840/4P	Lynx DE 26W/840
	F26DBX/865/4P/EOL	6500	DULUX D/E 26W/865	–	Lynx DE 26W/860
	Biax™ T 2-pin	**Colour Temperature**	**Dulux T Plus**	**Master PL-T**	**Lynx-T**
13W	F13TBX/827/A/2P	2700	–	PL-T 13W/827/2P	–
	F13TBX/830/A/2P	3000	DULUX T 13W/830	PL-T 13W/830/2P	–
	F13TBX/840/A/2P	4000	DULUX T 13W/840	PL-T 13W/840/2P	–
18W	F18TBX/827/A/2P	2700	DULUX T 18W/827	PL-T 18W/827/2P	–
	F18TBX/830/A/2P	3000	DULUX T 18W/830	PL-T 18W/830/2P	Lynx T 18W/830
	F18TBX/84O/A/2P	4000	DULUX T 18W/840	PL-T 18W/840/2P	Lynx T 18W/840
26W	F26TBX/827/A/2P	2700	DULUX T 26W/827	PL-T 26W/827/2P	–
	F26TBX/830/A/2P	3000	DULUX T 26W/830	PL-T 26W/830/2P	Lynx T 26W/830
	F26TBX/840/A/2P	4000	DULUX T 26W/840	PL-T 26W/840/2P	Lynx T 26W/840
	Biax™ T/E 4-pin	**Colour Temperature**	**Dulux T/E Plus**	**Master PL-T 4-pin**	**Lynx- TE**
13W	F13TBX/827/A/4P/EOL	2700	DULUX T/E 13W/827	PL-T 13W/827/4P	–
	F13TBX/830/A/4P/EOL	3000	DULUX T/E 13W/830	PL-T 13W/830/4P	–
	F13TBX/835/A/4P/EOL	3500	–	–	–
	F13TBX/840/A/4P/EOL	4000	DULUX T/E 13W/840	PL-T 13W/840/4P	–
18W	F18TBX/827/A/4P/EOL	2700	DULUX T/E 18W/827	PL-T 18W/827/4P	–
	F18TBX/830/A/4P/EOL	3000	DULUX T/E 18W/830	PL-T 18W/830/4P	Lynx TE 18W/830
	F18TBX/835/A/4P/EOL	3500	–	–	–
	F18TBX/840/A/4P/EOL	4000	DULUX T/E 18W/840	PL-T 18W/840/4P	Lynx TE 18W/840
26W	F26TBX/827/A/4P/EOL	2700	DULUX T/E 26W/827	PL-T 26W/827/4P	–
	F26TBX/830/A/4P/EOL	3000	DULUX T/E 26W/830	PL-T 26W/830/4P	Lynx TE 26W/830
	F26TBX/835/A/4P/EOL	3500	–	–	–
	F26TBX/840/A/4P/EOL	4000	DULUX T/E 26W/840	PL-T 26W/840/4P	Lynx TE 26W/840
32W	F32TBX/827/A/4P/EOL	2700	DULUX T/E 32W/827	PL-T 32W/827/4P	–
	F32TBX/830/A/4P/EOL	3000	DULUX T/E 32W/830	PL-T 32W/830/4P	Lynx TE 32W/830
	F32TBX/835/A/4P/EOL	3500	–	–	–

Compact Fluorescent Lamps Non-Integrated

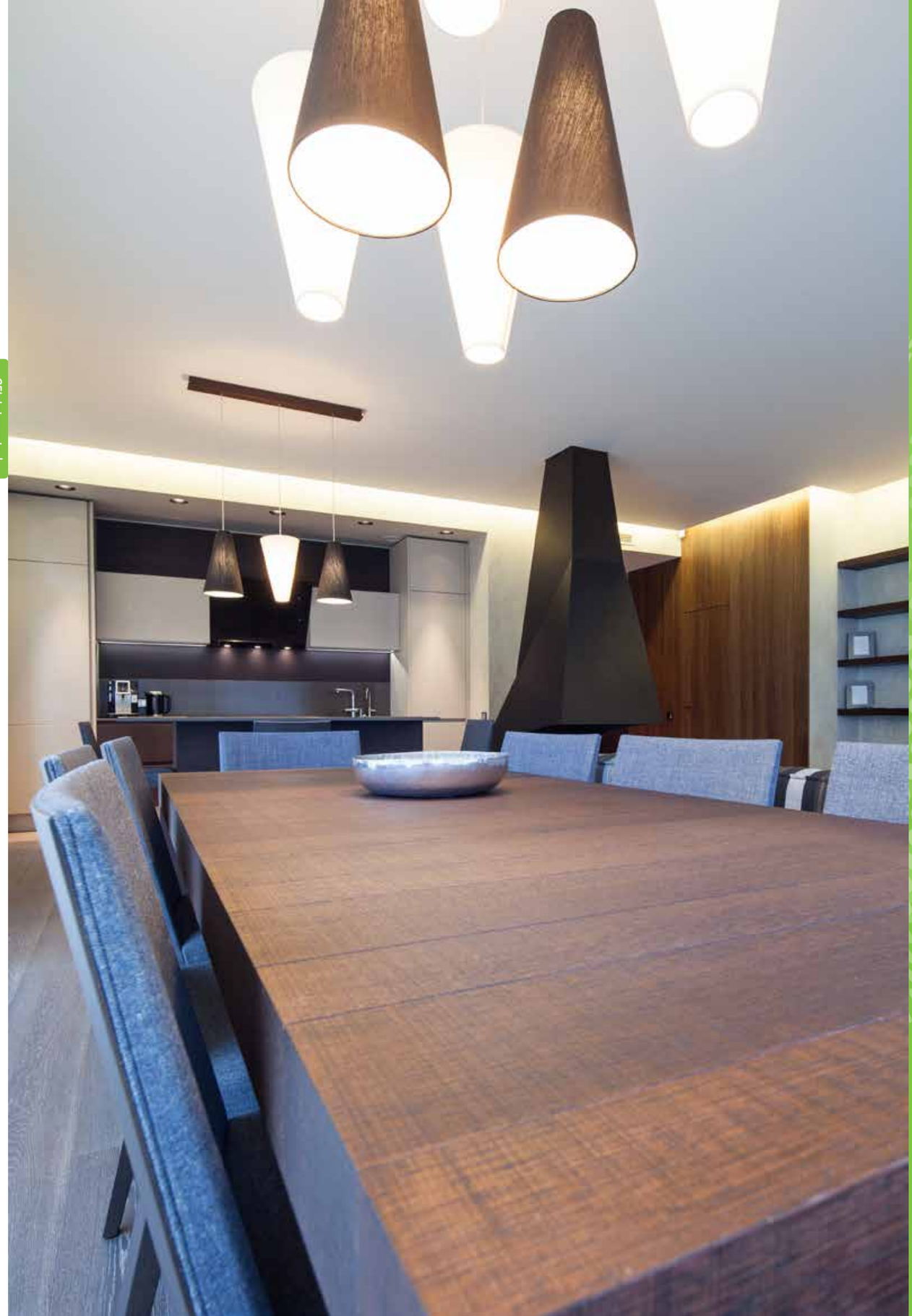
Brand cross reference

	GE / Tungsram		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

	GE / Tungsram		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

CFLs (Integrated) – versatile, energy efficient lighting

Our extensive range of integrated Compact Fluorescent Lamps (CFL) provides an attractive and versatile lighting solution in a choice of sizes, shapes (e.g. spiral, stick, decorative) and caps.

Offering an efficient, high quality replacement for older technologies across most applications – including domestic, office, retail and hospitality – CFLs combine high quality lighting and instant-on, flicker-free light with impressive energy efficiency. The benefits of this low energy consumption and a reduction in CO_2 emissions are further enhanced by a rated life of up to 15 000 hours, resulting in a low total cost of ownership and reduced maintenance requirements.

Our ranges include products with colour temperatures from 2700-6500K, and are available in decor incandescent sizes and lookalike 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

Compact Fluorescent Lamps Integrated

Product overview

Stick

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

Decor

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

Spiral

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

Reflector

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

Compact Fluorescent Lamps Integrated

CFL 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/T3/865/E14	71382*	450	6500	82	10 000	120	45	9	A	10
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
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/T3/865/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
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
6	23	220-240	B22	FLE23QBX/T3/827/B22	71119*	1 400	2700	82	10 000	152	51	22	A	8
7	23	220-240	E27	FLE23QBX/T3/827/E27	71124*	1 400	2700	82	10 000	153	51	22	A	8
7	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														
8	11	220-240	E27	FLE11DBX/T3/827/E27	14101*	600	2700	82	7 000	142	45	10	A	18
9	20	220-240	E27	FLE20TBX/T3/827/E27	34133*	1 152	2700	82	7 000	154	45	19	A	18
LongLast™ Spiral T2 – 15 000 hours														
10	8	220-240	E27	FLE8HLX/T2/827/E27	71126	470	2700	82	15 000	88	45	8	A	8
11	13	220-240	B22	FLE13HLX/T2/827/B22	75801*	750	2700	82	15 000	97.5	45	13	A	6
12	13	220-240	E27	FLE15HLX/T2/827/E27	75800	750	2700	82	15 000	98.5	45	13	A	6
12	15	220-240	E27	FLE20HLX/T2/827/E27	72390	950	2700	82	15 000	101.5	52	15	A	6
Spiral T2 – 8 000 - 10 000 hours														
13	8	220-240	E14	FLE8HLX/T2/827/E14	85637	470	2700	82	8 000	93	46	8	A	8
14	8	220-240	E27	FLE8HLX/T2/827/E27	85638	470	2700	82	8 000	90	46	8	A	10
13	8	220-240	E14	FLE8HLX/T2/865/E14	85633	430	6500	82	8 000	93	46	8	A	8
14	8	220-240	E27	FLE8HLX/T2/865/E27	85634	430	6500	82	8 000	90	46	8	A	8
15	12	220-240	E14	FLE12HLX/T2/827/E14	85639	715	2700	82	10 000	102	46	11	A	6
16	12	220-240	E27	FLE12HLX/T2/827/E27	85640	715	2700	82	10 000	100	46	11	A	6
16	12	220-240	E27	FLE12HLX/T2/865/E27	85635	665	6500	82	10 000	100	46	11	A	10
15	12	220-240	E14	FLE12HLX/T2/865/E14	93010291	665	6500	82	10 000	102	46	12	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 12

Compact Fluorescent Lamps Integrated

CFL 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
Spiral T2 – 8 000 - 10 000 hours														
15	220-240	E27	FLE15HLX/T2/865/E27	85636	900	6500	82	10 000	107	50	15	A	10	15
15	220-240	E27	FLE15HLX/T2/827/E27	85642	950	2700	82	10 000	107	50	15	A	10	15
15	220-240	B22	FLE15HLX/T2/827/B22	85643	950	2700	82	10 000	106	50	15	A	6	17
15	220-240	E27	FLE15HLX/T2/827/E27	34175*	950	2700	82	10 000	107	50	15	A	18	16
20	220-240	E27	FLE20HLX/T2/827/E27	85644	1 220	2700	82	10 000	108	55	19	A	6	16
20	220-240	E27	FLE20HLX/T2/840/E27	85646	1 200	4000	82	10 000	108	55	19	A	6	16
20	220-240	E27	FLE20HLX/T2/865/E27	85647	1 200	6500	82	10 000	108	55	19	A	6	16
23	220-240	E27	FLE23HLX/T2/827/E27	85648	1 450	2700	82	10 000	115	60	22	A	10	16
23	220-240	B22	FLE23HLX/T2/827/B22	85649	1 450	2700	82	10 000	114	60	22	A	10	17
23	220-240	E27	FLE23HLX/T2/840/E27	85650	1 380	4000	82	10 000	115	60	22	A	6	16
23	220-240	E27	FLE23HLX/T2/865/E27	85651	1 380	6500	82	10 000	115	60	23	A	6	16
Spiral T3 – 8 000-10 000 hours														
11	220-240	E27	FLE11HLX/T3/827/E27	89746*	580	2700	82	8 000	112	42	10	A	10	18
11	220-240	E27	FLE11HLX/T3/865/E27	89740*	560	6500	82	8 000	112	42	11	A	10	18
20	220-240	E27	FLE20HLX/T3/827/E27	93010066*	1 200	2700	82	10 000	127	59	20	A	10	19
23	220-240	E27	FLE23HLX/T3/865/E27	93010073*	1 380	6500	82	10 000	134	59	23	A	10	19
24	220-240	E27	FLE24HLX/T3/827/E27	89743*	1 700	2700	82	8 000	135	59	24.7	A	10	19
GLS T2/T3 – 8 000 hours														
12	220-240	E14	FLE12GLS/T2/827/E14	33925*	625	2700	82	8 000	110.5	55	12	A	6	20
12	220-240	B22	FLE12GLS/T2/827/B22	33926*	625	2700	82	8 000	106	55	12	A	6	21
15	220-240	B22	FLE15GLS/T3/827/B22	33769*	830	2700	82	8 000	117	60	15	A	6	22
Candle T2/T3 – 6 000-8 000 hours														
11	220-240	E14	FLE11CDL/T3/827/E14	76198*	580	2700	80	6 000	141	50	11	A	6	23
7	220-240	E27	FLE7CDL/T2/827/E27	33919*	320	2700	82	8 000	103	37	7	A	8	24
7	220-240	E14	FLE7CDL/T2/840/E14	33911*	320	4000	82	8 000	105	37	7	A	10	25
7	220-240	E14	FLE7CDL/T2/827/E14	33939*	320	2700	82	8 000	105	37	7	A	10	25
9	220-240	E14	FLE9CDL/T2/827/E14	33757*	405	2700	82	8 000	113	37	9	A	8	25
9	220-240	E27	FLE9CDL/T2/827/E27	33763*	405	2700	82	8 000	110.5	37	9	A	8	26

* Will be phased out

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Candela (Cd)	Beam Angle (°)	CRI (Ra)	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Reflector Genura R80 – 15 000 hours																
23	220-240	E27	EFL23W/827/R80/E27	82174*	580	2700	270	100	80	15 000	130	83	22.50	B	6	27
23	220-240	E27	EFL23W/830/R80/E27	92246*	580	2700	270	100	80	15 000	130	83	22.50	B	6	27

* Will be phased out

13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

Halogen Lamps

Halogen

Halogen Lamps

Low voltage Halogen lamps for outstanding colour rendering

Our range of low voltage Halogen reflector lamps provides an attractive choice of compact, high output light sources with a wide scope for creative lighting. Combining very high light quality, intensity and control with efficient use of energy, these lamps are ideal for applications where space is at premium.

Low voltage Halogen reflector lamps feature an advanced, computer designed reflector gives a smooth beam and outstanding light output compared to similar lamps. Ideal for downlighting and accent lighting applications, the offer precise beam control, high efficacy, excellent white light and cool beam characteristics.

- Up to 43% energy savings vs. conventional MR16 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 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

Mains Voltage Capsule G9

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

Low voltage capsule – Transversal Filament

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

Low voltage capsule – Axial Filament

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

Capsules

Linear 117 mm

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

Linear 78 mm

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

Linear - High Watt

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

Linear

GLS

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

Candle

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

Spherical

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

Decor

Tubular T38

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

Tubular

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

1

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	5
20	240	G9	SHORTG9 20W CL 240V	98441	235	2800	1 000	13	43	21.2	D	10	5
30	240	G9	SHORTG9 30W CL 230V	93039930	405	2800	2 000	13	43	34	D	10	5
30	230	G9	SHORTG9 30W CL 240V	93025905	405	2800	2 000	13	43	34	D	10	5
42	230	G9	SHORTG9 42W CL 230V	64126	630	2800	2 000	13	43	43	D	10	5

* Will be phased out

2

3

4

5

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
Low Voltage Capsule - Transversal Filament													
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													
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
Linear 78mm													
3	100	230	R7s	K12 C100W 230V R7S 78MM	63519	1 800	2900	1 000	8	80.1	104.2	D	10
Linear 117mm													
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
** Projector lamp
*** Will be phased out from 1st Sept, 2018 due to EU Ecodesign regulation

1 2 3

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
Linear - High Watt													
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
HaloGLS **													
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
** Will be banned in the EU from Sept/2018

4 5

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
HaloCandle **													
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 **													
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
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
7	42	240	E14	42W HALOS CL E14 240V	76548	630	2900	2 000	45	78	43.7	D	12
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

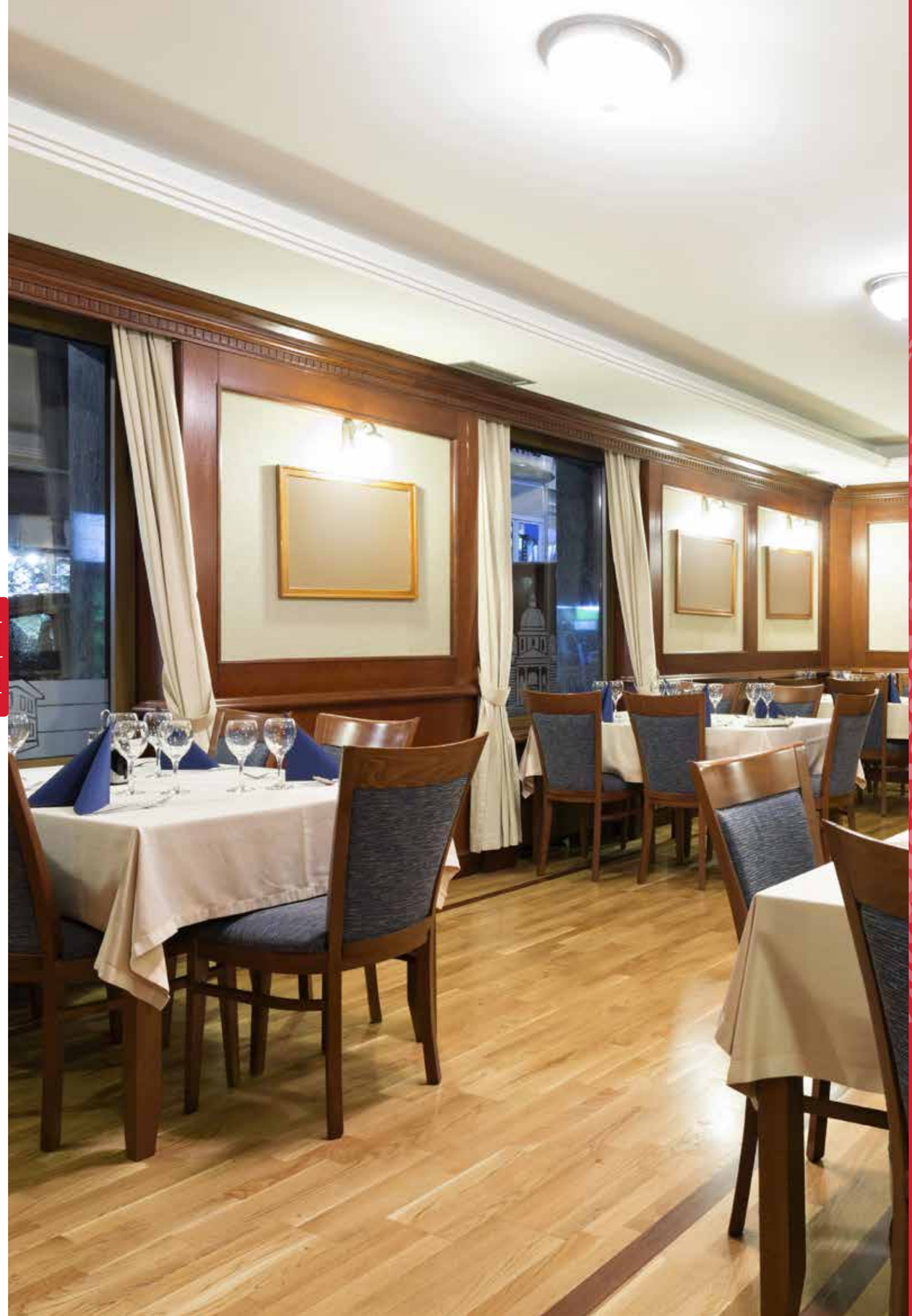
* Will be phased out
** Will be banned in the EU from Sept/2018

1 2 3 4 5 6 7

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
HaloSpherical **													
30	240	B15	30W HALO S CL B15 240V	98380*	405	2900	2 000	45	78	31.6	D	12	9
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
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
Tubular T38													
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

* Will be phased out
** Will be banned in the EU from Sept/2018

8 9 10 11



Incandescent Lamps

Incandescent

Incandescent Lamps

Specialised Lamps for special applications

Incandescent lamps designed to satisfy specialised requirements

Recent years have seen the use of Incandescent Lamps phased out 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.

We have been at the forefront of this change, developing 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.

Today, the Ecodesign requirements allow exemption for a limited number of Incandescent Lamp types and we continue to supply high quality products for these highly specialised applications:

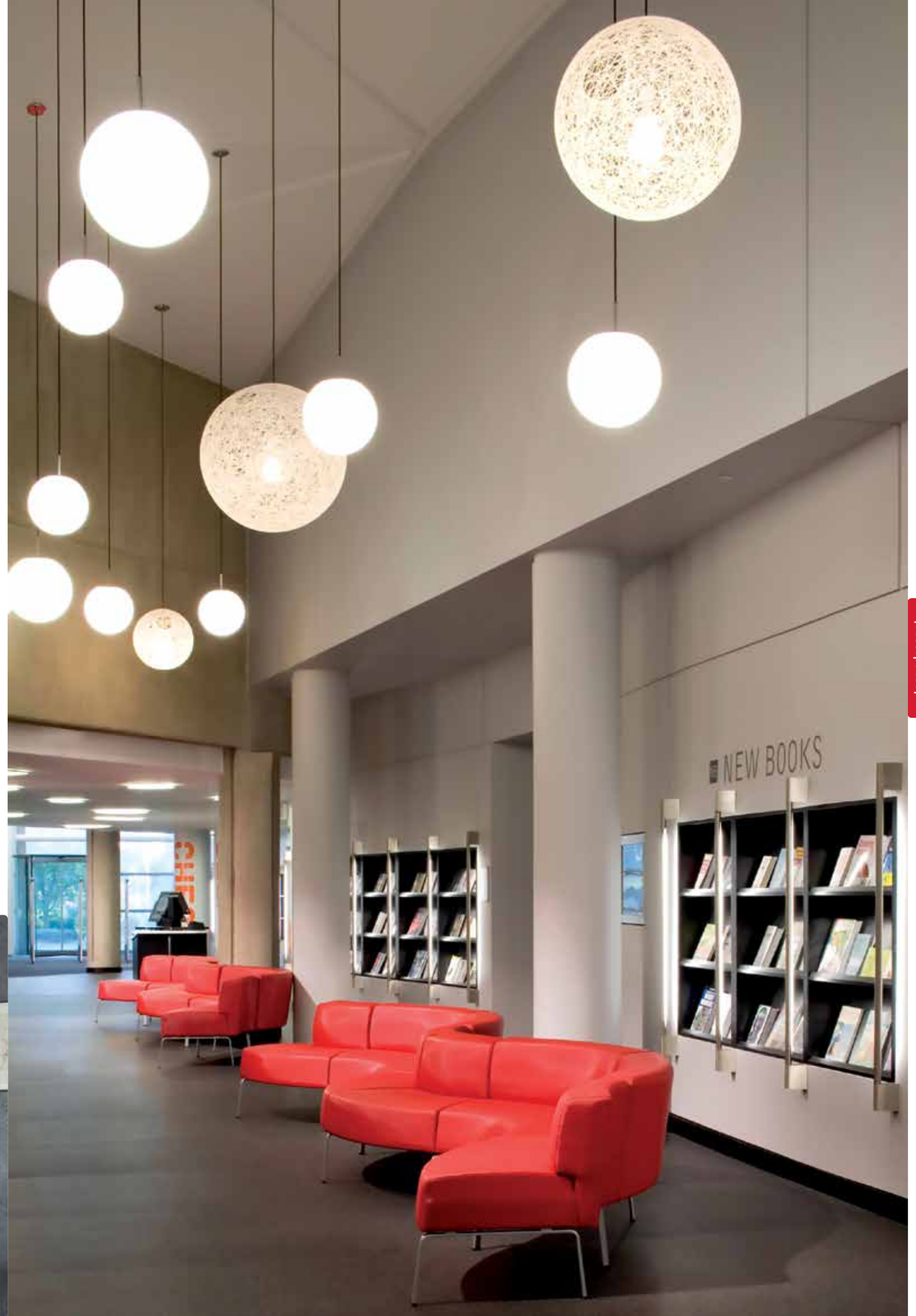
- Pygmy for oven, freezer and sewing machine
- Infrared reflector
- Low Voltage GLS
- Coloured decorative lamps

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

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

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

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

Infrared Hard Glass

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

Infrared Reflector

Standard

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

Candle

Standard and Appliance

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

Pygmy

Standard GLS – Clear

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
1	25	240	E27	25A1/CL/E27	19944*	225	1 000	50	88.5	25	E	1/10/120
1	40	240	E27	40A1/CL/E27	84755*	410	1 000	50	88,5	40	E	1/10/120
1	60	240	E27	60A1/CL/E27	84757*	700	1 000	50	88,5	60	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	84758*	930	1 000	50	88,5	75	E	1/10/120
1	100	240	E27	100A1/CL/E27	84759*	1330	1 000	50	88,5	100	E	1/10/120
1	150	230	E27	150A65/CL/E27	84774*	2160	1 000	65	123	150	E	1/20
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	84777*	3040	1 000	80	142	200	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

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
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 ***

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
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

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
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

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
3	25	240	E14	25D1/CL/E14**	19775*	210	1 000	45	74	25	E	1/10/100
3	25	230	E27	25D1/CL/E27	84795*	210	1 000	45	69.5	25	E	1/10/50
3	40	240	E14	40D1/CL/E14	84752*	400	1 000	45	74	40	E	1/10/100
3	40	240	E27	40D1/CL/E27	84808*	400	1 000	45	69.5	40	E	1/10/50
3	40	230	E27	40D1/CL/E27**	90565*	400	1 000	45	69.5	40	E	1/10/50
3	60	240	E14	60D1/CL/E14	84754*	660	1 000	45	74	60	E	1/10/100
3	60	230	E27	60D1/CL/E27	84769*	660	1 000	45	69.5	60	E	1/10/50

* Not CE compliant product
** Will be delisted
*** Will be banned in the EU from Sept/2018

Product Description - explanation
For further information check the glossary

15 A1 / FR / E27

- 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

Spherical – Frosted

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
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
40	240	E14	40D1/FR/E14	84791*	400	1 000	45	74	40	E	1/10/100	4
60	240	E14	60D1/FR/E14	84793*	660	1 000	45	74	60	E	1/10/100	4
60	240	E27	60D1/FR/E27	84810*	660	1 000	45	69,5	60	E	1/10/50	4

Spherical Oven - Clear

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
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

Coloured Spherical

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Colour	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
15	230	E27	15D1/R/E27**	90531*	Red	1 000	45	69.5	14.3	-	1/10/50	6
15	230	E14	15D1/Y/E14**	90526*	Yellow	1 000	45	74	14.3	-	1/10/50	6
15	230	E27	15D1/Y/E27**	90527*	Yellow	1 000	45	69.5	14.3	-	1/10/50	6
15	230	E27	15D1/G/E27**	91521*	Green	1 000	45	69.5	14.3	-	1/10/50	6
15	230	E27	15D1/B/E27**	91522*	Blue	1 000	45	69.5	14.3	-	1/10/50	6

* 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 – Clear												
1	25	240	E14	25C1/CL/E14	84763*	210	1 000	35	97	25	E	1/10/50
1	40	240	E14	40C1/CL/E14	84770*	400	1 000	35	97	40	E	1/10/50
1	60	240	E14	60C1/CL/E14	84772*	660	1 000	35	97	60	E	1/10/50
1	40	240	E27	40C1/CL/E27**	84781*	400	1 000	35	93	40	E	1/10/100
1	60	240	E27	60C1/CL/E27**	84782*	660	1 000	35	93	60	E	1/10/100
Candle – Frosted												
2	25	240	E14	25C1/FR/E14	91680*	210	1 000	35	97	25	E	1/10/50
2	40	230	E14	40C1/SL/E14	84765*	360	1 000	35	97	40	E	1/10/50
2	40	240	E14	40C1/FR/E14	84805*	400	1 000	35	97	40	E	1/10/50
2	60	240	E14	60C1/FR/E14	84806*	660	1 000	35	97	60	E	1/10/50
2	40	240	E27	40C1/FR/E27**	84787*	400	1 000	35	93	40	E	1/10/100
2	60	240	E27	60C1/FR/E27**	84789*	660	1 000	35	93	60	E	1/10/100
2	40	230	E14	40C1/SL/E14**	90482*	360	1 000	35	97	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													
3	30	230	E14	30R39/E14**	84804*	80	65	1 000	39	64 .5	30 .5	E	1/10/100
3	30	240	E14	30R39/E14**	84812*	80	65	1 000	39	64,5	30 .5	E	1/10/100
Reflector - R50													
3	25	230	E14	25R50/E14**	84814*	200	35	1 000	50	86	25	E	1/10/50
3	40	230	E14	40R50/E14**	84773*	300	35	1 000	50	86	40.3	E	1/10/50
3	40	230	E14	40R50/E14**	84818*	300	35	1 000	50	86	40.3	E	1/10/50
3	60	230	E14	60R50/E14**	84768*	600	35	1 000	50	86	60.2	E	1/10/50
3	60	230	E14	60R50/E14**	84802*	600	35	1 000	50	86	60.2	E	1/10/50
Reflector - R63													
4	40	230	E27	40R63/E27**	84799*	250	35	1 000	63,5	100	40.3	E	1/10/40
4	60	230	E27	60R63/E27**	84767*	410	35	1 000	63,5	100	60.2	E	1/10/40
4	60	230	E27	60R63/E27	84800*	410	35	1 000	63,5	100	60.2	E	1/10/40
Reflector - R80													
4	60	230	E27	60R80S/E27**	92839*	450	35	1 000	80	109.5	60.7	E	1/10
4	75	230	E27	75R80S/E27	84817*	600	35	1 000	80	109,5	75	E	1/10
4	100	230	E27	100R80S/E27**	92860*	800	35	1 000	80	109.5	100	E	1/10

* Not CE compliant product
** Will be delisted

1 2 3 4

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Colour	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Coloured Reflector - R50												
40	230	E14	40R50/R/E14**	91386	Red	1 000	50	86	39.2	N/A	1/25	5
40	230	E14	40R50/Y/E14**	91388	Yellow	1 000	50	86	39.2	N/A	1/25	5
40	230	E14	40R50/G/E14**	91389	Green	1 000	50	86	39.2	N/A	1/25	5
40	230	E14	40R50/B/E14**	91387	Blue	1 000	50	86	39.2	N/A	1/25	5
Coloured Reflector - R63												
40	230	E27	40R63/R/E27**	91532	Red	1 000	63.5	100	39.4	N/A	1/25	6
40	230	E27	40R63/Y/E27**	91531	Yellow	1 000	63.5	100	39.4	N/A	1/25	6
40	230	E27	40R63/G/E27**	91533	Green	1 000	63.5	100	39.4	N/A	1/25	6
40	230	E27	40R63/B/E27**	91530	Blue	1 000	63.5	100	39.4	N/A	1/25	6
Coloured Reflector - R80												
60	230	E27	60R80/Y/E27**	91527*	Yellow	1 000	80	109.5	57.3	N/A	1/40	6

* Not CE compliant product
** Will be delisted

5 6

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	3C P1/CL/E14**	12511	85	1 000	28	60		E	1/10/100
3	15	230	E14	15P1/CL/E14	12512	85	1 000	28	60	15.6	E	1/10/50
3	15	240	E14	15P1/CL/E14	84811	85	1 000	25	55		E	1/10/50
3	15	240	E14	15P1/CL/E14	91950	85	1 000	25	55	15.3	E	1/10/50
3	25	230	E14	25P1/CL/E14	84807	190	1 000	28	60	24.8	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
Pygmy Sewing machine												
3	15	240	B15	15P1/CL/SBC 200/250V 28 SEWM	31831	85	1 000	28	60	-	E	1/50
3	25	240	E14	25P1/CL/SES 200/250V 28 SEWM	31851	80	1 000	28	60	-	E	1/50

* Not CE compliant product

** Will be delisted

1 2 3

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

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	5000	240	G38	HX5000/240V	71379	133 000	3200	-	-	200	270	65	U	C	4652.57	6
11	5000	230	G38	CP29 230V	88875	13 500	3200	CP29	-	375	279	-	BDTH	C	5040.00	12
10	5000	240	G38	CP29 240V	88876	13 000	3200	CP29	-	375	279	-	BDTH	C	5040.00	12
12	10 000	220-230	G38	CP83 220-230V	12036	280 000	3200	CP83	-	500	405	-	BDTH	C	9965.00	1
12	10 000	240	G38	CP83 240V	12037	280 000	3200	CP83	-	500	405	-	BDTH	C	9777.33	1
14	12 000	230	GX38	Q12MT26/CL 230V	48771	400 000	3400	-	-	130	410	-	BD45	B	12600.37	1
13	12 000	240	GX38	Q12MT26/CL 240V	48779	400 000	3400	-	-	130	410	-	BD45	C	11659.73	1
14	20 000	240	GX38	Q20MT32/CL 240V	48774	580 000	3200	-	BCM	400	560	-	BD45	C	19727.93	1
15	24 000	240	GX38	Q24MT32/CL 240V	48777	800 000	3400	-	-	150	560	-	BD45	B	23778.40	1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

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

* Will be phased out

16 17 18 19 20 21 22 23 24

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

1 2 3 4 5 6 7 8 9 10 11 12 13 14

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	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	CYV-Q1000T7/4CL/BP 1000W/120V	88630	28 500	3200	-	CYV	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	-	-	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

15 16 17 18 19 20 21 22 23 24 25 26 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
	10 000	120	G38	DTY-Q10M/T24/4CL 120	24886	290 000	3200	-	-	500	410	BD45	-	1
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	120	G38	Q12MT26/4CL 120V 120	48770	420 000	3400	-	-	150	409.957	BD45	-	1
4	12 000	230	GX38	Q12MT26/CL 230V	48771	400 000	3400	-	-	130	410	BD45	B	1
4	20 000	208	G38	BCM Q20MT32/4CL 208	48772	580 000	3200	-	-	400	560	BD45	-	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
8	1000	230	GY9.5	GAB 230V 1000W	93082618	25 000	3200	-	GAB	250	88	BD	C	12
8	1000	240	GY9.5	GAD 240V 1000W	93082619	25 000	3200	-	GAD	250	88	BD	C	12

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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	9
575	95	GX9.5	CSR575/2/SE	15378*	48 000	7800	1 000	125	U	A	632.50	10	10
575	97	GX9.5	CSR575/2/SE	69064	46 000	7200	1 000	125	U	A	632.50	10	10
700	70	G22	CSR700/2/SE	49491	55 000	6500	1 000	155	U	A	770.00	10	11
1200	100	G22	CSR1200/2/SE	49490	110 000	7000	800	175	U	A+	1320.00	6	12
575	97	GX9.5	CSR575/2/T/SE	49492*	42 000	7600	1000	125	U	A	632,5	10	10

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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)	EEC	Energy Consumption (kWh)	Outer qty
PAR 36																	
1	30	12.8	4405 12.8V	24425*/93074744	-	-	Screw Term.	100	50 000	VNSP	6 x 5	-	69.8	114.3	Exempt	Exempt	12
2	30	6.4	4515 6.4V	24673*/93076721	-	-	Screw Term.	100	55 000	VNSP	5 x 5	-	69.8	114.3	E	31.58	12
1	50	12	50PAR36/WFL 12V	16541*/93076720	-	-	Screw Term.	2 000	1 300	WFL	48 x 41	36 x 28	69.8	114.3	E	51.98	12
1	50	28	4505 28.0V	24640**	-	-	Screw Term.	400	45 000	NSP	11 x 5	-	69.8	114.3	Exempt	Exempt	12
1	100	28	4594 28.0V	24891*/93074745	-	-	Screw Term.	300	70 000	NSP	13 x 7	-	69.8	114.3	Exempt	Exempt	12
1	150	28	4626 28.0V	24964**	-	-	Screw Term.	300	25 000	WFL	40 x 9	-	69.8	114.3	Exempt	Exempt	12
3	250	28	4596 28.0V	24898*/93074766	3000	-	Screw Term.	25	150 000	NSP	11 x 12	-	69.8	114.3	Exempt	Exempt	12
1	650	120	DWE Q650PAR36/1 120V	41667*/93076759	3200	DWE	Screw Term.	100	24 000	MFL	-	40 X 30	69.8	114.3	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	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	Exempt	Exempt	12
4	250	28	4553 28.0V	24799*/93078614	-	-	Screw Term.	25	300 000	SP	-	11 x 12	95.2	146	Exempt	Exempt	12
5	450	28	Q4681 28.0V	36271**	-	-	Screw Term.	50	310 000	SP	-	15 x 9	95.2	146	Exempt	Exempt	12
4	450	28	Q4554 28.0V	37706**	-	-	Screw Term.	100	65 000	WFL	-	50 x 11	95.2	146	Exempt	Exempt	12
PAR 56																	
6	300	240	300PAR56/NSP 240V	18676*/93076266	-	-	ExMogEndPr GX16d	2 000	40 000	NSP	-	-	127	177.8	E	285,58	12
6	300	240	300PAR56/MFL 240V	18677*/93076244	-	-	ExMogEndPr GX16d	2 000	30 000	MFL	-	-	127	177.8	E	285.58	12
6	300	240	300PAR56/WFL 240V	18678*/93076245	-	-	ExMogEndPr GX16d	2 000	10 000	WFL	-	-	127	177.8	E	285.58	12
6	200	30	200PAR 30V	20122*/93078519	-	-	Screw Terminals	350	270 000	SP	-	9 x 9	127	177.8	Exempt	Exempt	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	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	E	318.70	12
6	300	230	300PAR56/MFL 230V	20852*/93076058	-	-	ExMogEndPr GX16d	2 000	30 000	MFL	-	-	127	177.8	E	293.19	12
6	300	230	300PAR56/NSP 230V	20853*/93076059	-	-	ExMogEndPr GX16d	2 000	40 000	NSP	-	-	127	177.8	E	293.19	12
6	300	230	300PAR56/WFL 230V	20854*/93076060	-	-	ExMogEndPr GX16d	2 000	10 000	WFL	-	-	127	177.8	E	293.19	12
6	300	12	300PAR56/WFL 12V	23427*/93072766	-	-	Screw Terminals	1 000	13 000	WFL	-	-	127	177.8	C	309.51	12
6	300	12	300PAR56 WFL 12V POOL BULK PACK	87473*/93072689	-	-	Screw Terminals	1 000	13 000	WFL	-	-	127	177.8	C	309.42	12
PAR 64																	
7	250	28	4552 28.0V	40576*/93078615	-	-	Screw Terminals	25	500 000	SP	-	7 X 8	152.4	203.2	Exempt	Exempt	12
8	500	230	500PAR64/WFL 230V	39414*/93076719	2700	-	ExMogEndPr GX16d	2 000	-	WFL	42 X 20	55 x 32	152.4	203.2	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	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	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	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	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	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	C	498.86	6
8	600	28	Q4559X 28.0V	42552*/93079116	-	-	Screw Terminals	100	765 000	SP	11x7.5	-	152.4	203.2	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	C	1024.70	6
8	1000	240	EXG PAR64/1000W/240V/WFL	88479	3200	-	ExMogEndPr GX16d	300	49 300	WFL	59 x 36	44 X 22	152.4	203.2	C	1006.14	6
8	1000	230	EXG PAR64/1000W/230V/WFL	88480	3200	-	ExMogEndPr GX16d	300	49 300	WFL	59 x 36	44 X 22	152.4	203.2	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	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	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	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	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	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	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	D	1288.85	6

Product code will change (old / new)
** Will be phased out

1 2 3 4 5 6 7 8

Specialty

Specialty lamps

Projection and photography

Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	Rated life (h)	Beam type	Beam 10%	Beam 50%	MPBC	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
CSI / CID / CSS																	
140	85	GY9.5	CSS150/CAP/50	88485	9 000	5000	1 000	48	22	30	-	48	VBD±90	A	154.00	10	9
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	10
1000	80	G22	CID1000/G22 99-0222	88493	70 000	5500±400	500	-	-	-	-	115	BDTH	A	1100.00	1	13
1000	80	G22	CSI1000/G22 99-02	88494	90 000	4000±400	500	-	-	-	-	115	VBD±90	A+	1100.00	1	11
1000	80	G38	CSI1000/PAR64/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	12

Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Application	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Projection, Printing, Photography																
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	14
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
100	12	GY6.35-15	FCR A1/215 12V MIH	14876	-	5600	-	-	50	-	44	U	B	113.83	100	15
1200	100	GY22	CSR1200/SA	21849*	100000	5800	-	-	750	-	135	U	A	1320	6	15
1000	110	Two right-angle lugs	GRAPHX MBI 400-800/U/SB 91-9831	88415	-	3000	-	-	400	-	-	U	-	-	1	15
300	230-240	G6.35	A1/249 230-240V	88491	7 200	-	A1/249	-	50	-	62	BDTH	C	300.35	50	15
150	230-240	G6.35	A1/248 230-240V	88492	3 000	-	A1/248	-	50	-	62	BDTH	D	152.55	50	15
500	230-240	GY9.5	A1/244 230-240V	88460	13 000	-	A1/244	-	75	-	62	BDTH	C	507.25	24	16

* Will be phased out

Wattage (W)	Volts	Cap	Product description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Application	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Single Ended Tungsten Halogen																
300	120	GY9.5	M38 120V	78343*	5500	2900	M38	-	2000	-	80	BDTH	E	322,43	24	18
250	24	G6.35	M36 24V 250W GY6.35	88516	5 750	3000	M36	-	2 000	-	58	BDTH	C	270.07	100	17
300	230-240	GY9.5	M38 230-240V	88442	5 000	2900	M38	-	2 000	-	80	BDTH	E	297.52	24	18
500	230-240	GY9.5	M40 230-240V	88468	8 500	2900	M40	-	2 000	-	85	BDTH	E	495.25	24	19

* Will be phased out

9 10 11 12 13 14 15 16 17 18 19

Specialty

Specialty Lamps / Entertainment Lamps

Brand cross reference

SKU	GE / Tungsram	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

Specialty Lamps / Horticulture Lamps

Product overview

250W

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

400W

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

600W

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

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

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)

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

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/E40	88665	-	260	64	158	48	E40/45	33 000	430	Hard	Universal	1
110	4.3	420	LU400W/PSL/T/E40	17106	44304	292	87	175	48	E40/45	56 500	710	Hard	Universal	2
115	6.0	615	LU600W/PSL/T/E40	17107	44305	292	125	169	48	E40/45	90 000	1080	Hard	Universal	1
115	7.4	755	LU750W/PSL/T/E40	17108	-	293	130	178	51	E40/45	112 000	1320	Hard	Universal	3
400V - E40 Cap															
200	3.6	620	LU400V/600W/PSL/T/E40/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 1/12	43438	43437	293	143	175	51	E40/45	104 000	1390	Hard	Universal	3

Product Description - explanation

For further information check the glossary

LU 400V / 750 / PSL / T / EL

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

1 2 3 4

Specialty

Specialty Lamps / Special Solutions Lamps

Product overview

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

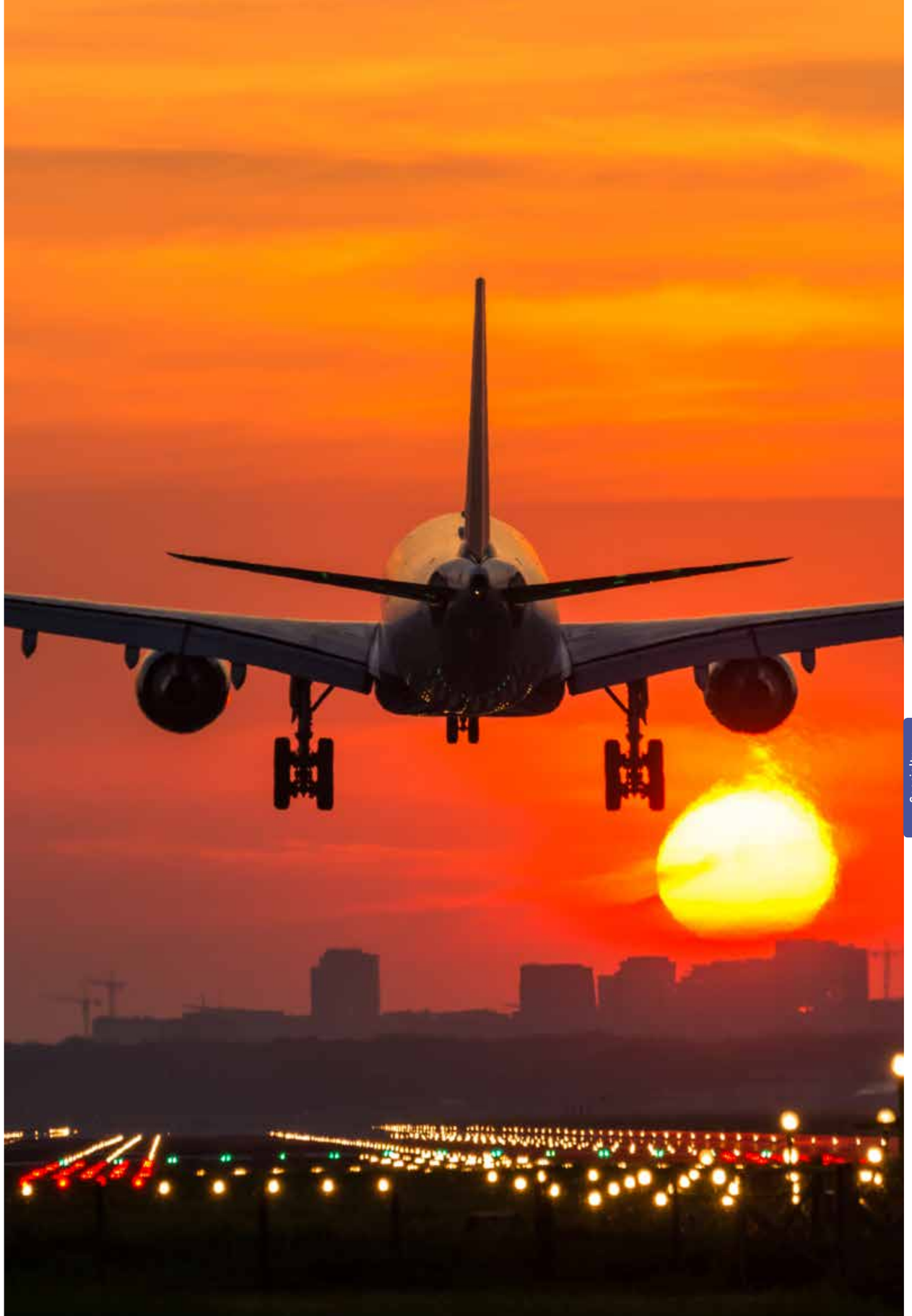
Lamp volts: 120 - 600V
Wattage: 500 - 3800W
Cap: Slv, R7s, CER
Rated life: 5 000 h
Packing: 6, 12

Airfield

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

Industrial Heating

Airfield



Specialty

Insect Control

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

Industrial Heating

Model	Wattage (W)	Volts	Cap	Product Description	Product Code	CCT (K)	Rated life (h)	Length (mm)	Pack Qty
Quartz Heat									
3	500	120	R7S	QH500T3/CL/7	21787	2400	5 000	220.5	12
4	1000	230-250	Slv	QH1000T3/CL	22357	2400	5 000	351	12
5	1200	144	Slv	QH1200T3/CL	22531	2450	5 000	223.8	12
6	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
7	1600	230-250	Slv	QH1600T3/CL	22688	2400	5 000	503	12
8	2000	230-250	Slv	QH2M/T3/CL/HT	22790	2450	5 000	350.8	12
9	2000	230-250	CER	QH2MT3/CL/HT/R	12716	2450	5 000	352.5	12
7	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	6000	480	Special	QH6MT3/CL/HT 480	23843	3250	100	300.5	12
-	2500	400	Special	QH2500MT3/CL/HT/R	28126	2450	5000	381.5	12
-	3000	400	Special	QH3MT3/CL/HT/R	28127	2450	5000	381.5	12
-	2000	240	Special	QH2M/T3/HT-GT 230	80848	2450	5000	350.8	12
-	525	120	Special	Q500T8/1CL 20A	88616	3200	500	108	12
-	3800	550-600	Slv	QH3800/CL	22875	2500	5 000	1062	6

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

2 3 4 5 6 7 8 9

Airfield

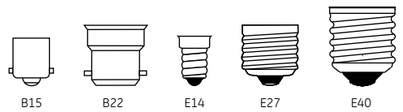
Wattage (W)	Volts	Cap	Product Description	Product Code	Lumen (lm)	Rated life (h)	Length (mm)	Pack Qty	Model
Aircraft and airfield Lighting									
45	6.6	Special	TU Q6,6A/T2 1/21CL BULK MIH	26930	710	1000	60	100	-
13	-	G5	5113WW 13W 1/24	28178	790	7500	525	24	-
65	-	Special	TU Q65T2 1/2/1CL MIH	32917	1500	1000	60	100	-
1000	120	Special	ETT UNIT 120	38311	30 000	70	95.25	24	-
100	10	Special	1978X 10	38545	1634	2000	54.6	10	-
100	28	Special	1970X 28	41938	1700	1000	57.1	10	-
45	6.6A	Mycalex cap & Prefocus collar	AF6/2 6.6A 45W	88420	760	600	54	100	10
100	6.6A	Mycalex cap & Prefocus collar	AF 6/5T 6.6A 100W	88417	2 100	600	60	100	11
200	6.6A	Mycalex cap & Prefocus collar	AF7/2 6.6A 200W	88413	4 800	600	54	100	12
200	6.6A	Special 1" Ribbon Leads	Q6.6A/T4/5CL	23857	5 000	500	76	12	13
300	20A	Mog End Pr GX16d	Q20A/PAR56/C	15482*	NA	500	127	12	14
1000	120	G38 Mog BiPost	IM T20BP	88525	22 000	500	241	12	25

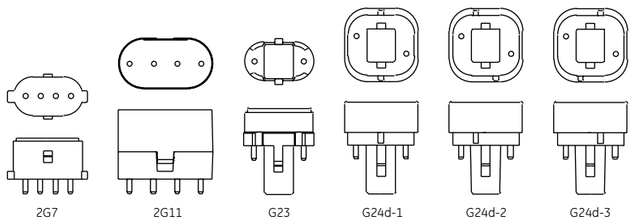
*Will be phased out

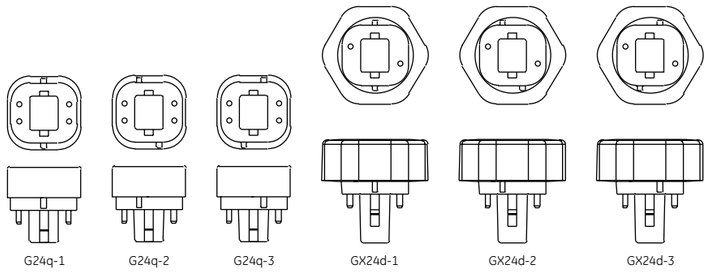
10 11 12 13 14 25

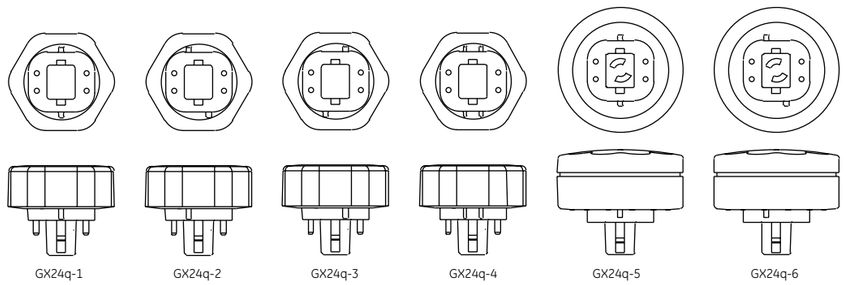
Cap Drawings

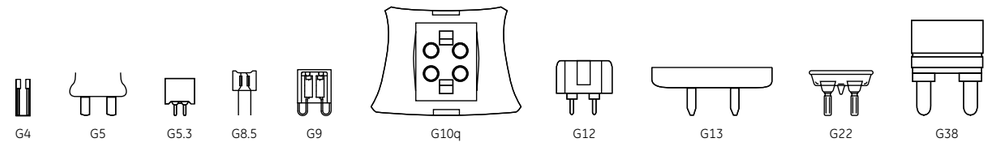
All cap drawings are a guide, if further technical details are required please contact your nearest sales office.

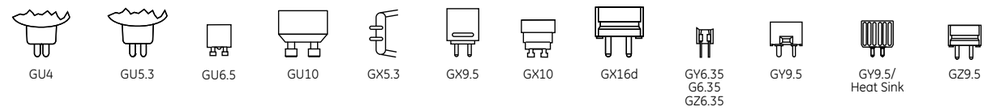


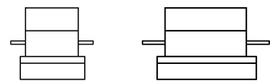


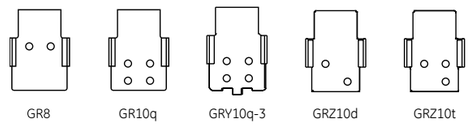


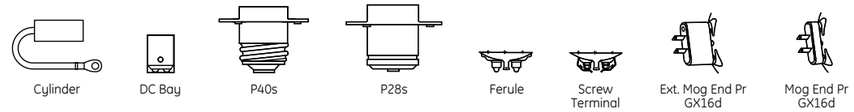


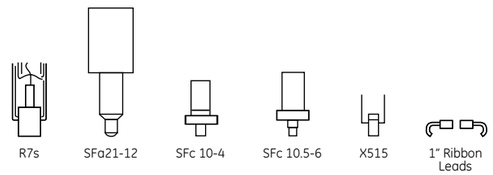












Caps / Glossary

TUNGSRAM

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EST. 1896

Traditional Lamps Product Catalogue

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