

**TUNGSRAM™**

Innovation is our heritage  
EST. 1896

# Traditional lamps Product Catalogue



2020





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### 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 is 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.

[www.tungsr.com](http://www.tungsr.com)

Please note that products with GE codes are continue to be marketed until inventory is exhausted. For these products shipment is not available after 30 June, 2020.



# 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 Ceramic Metal Halide (CMH), Quartz Metal Halide (QMH) and Lucalox™ High Pressure Sodium (HPS) technologies.

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. CMH Lamps deliver the quality of light that these situations demand.

### Reliability

It is also important that this high performance is maintained, and the 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 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 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 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.

### CMH Standard

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



### CMH Precise™

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

### CMH StreetWise™



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

**CMH Indoors**  
– innovative lighting solutions for retail and more

Combining great performance and best-in-class rated life, 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 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 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 increasingly important factor when lighting accounts for more than 20% of energy consumption around the world.

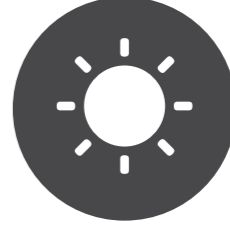


The CMH StreetWise™ Lamps especially designed for outdoor lighting offers the best of both worlds. Bright, white, 'natural' light and low costs for both running and maintenance. With CMH lighting, streets and other public spaces can feel safer for pedestrians. More than that, their "daylight" colour 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

- 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<sub>2</sub> emissions
- Improved safety and security for pedestrians and vehicles
- Ideal for integrated systems with dimming, remote monitoring and remote control



# 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



### 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™

### StreetWise™

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



### Double Ended (TD)

Cap: RX7s or RX7s-24  
Wattages: 35 — 150W  
Colours: 830, 942  
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

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

ConstantColor™ CMH (Ceramic Metal Halide) Elliptical and Tubular



### 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°



### Single Ended

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



### Double Ended

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



### Double Ended Coloured

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



### Tubular

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



### Elliptical

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

ConstantColor™ CMH (Ceramic Metal Halide) Reflectors

Arc Lamp Operates on suitable metal halide/high pressure sodium ballast and metal halide ignitor

# High Intensity Discharge Lamps

## Product overview



### Standard - Elliptical

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



### 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

MVR Lamp Operates from CWA Control Gear

Sportlight™ Metal Halide For sports and floodlighting



### 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



### Kolorlux™ Mercury Standard\*

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

\* only direct shipment

KRC Lamp Operates from suitable mercury or metal halide ballast rated 3.5A and metal halide ignitor

Mercury Lamps



### 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 Superlife

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



Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU 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
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## CMH Supermini

1	20	95	GU6.5	CMH20/TC/UVC/830/GU6.5	40399	93095259	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	93095260	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	93095261	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	93095262	3 400	942	U	12 000	12 000	52	13	42.4	A	12

## CMH Single Ended Mini

2	20	90	G8.5	CMH20/TC/UVC/U/830/G8.5 PLUS	39858	93095263	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	93095264	3 400	830	U	16 500	16 500	85	14.5	43.4	A+	12
2	35	90	G8.5	CMH35/TC/UVC/U/942/G8.5	26348	93095366	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	93095368	4 000	930	U	18 000	18 000	85	14.5	42.9	A+	12
2	70	90	G8.5	CMH70/TC/UVC/U/942/G8.5	26349	93095367	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	93095265	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	93095369	7 800	930	U	18 000	18 000	85	14.5	80.3	A+	12

## CMH Single Ended

3	20	90	G12	CMH20/T/UVC/U/830/G12 PLUS	42708	93095370	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	93095371	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	93095377	4 000	930	U	18 000	18 000	90	14.5	42.9	A+	12
3	35	90	G12	CMH35/T/UVC/U/942/G12	92141	93095374	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	93095372	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	93095376	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	93095378	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	93095373	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	93095375	13 000	942	U	12 000	12 000	100	19	164.3	A	12

Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU 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
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## CMH Double Ended

35	90	RX7s	CMH35/TD/UVC/830/RX7s	43278	93102197	3 400	830	HOR±45°	-	15 000	118	21	42	A	12	4
70	90	RX7s	CMH70/TD/UVC/830/RX7s	36910	93102188	7 000	830	HOR±45°	-	15 000	118	21	80.8	A+	12	4
70	90	RX7s	CMH70/TD/UVC/942/RX7s	38698	93102191	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	93102189	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	93102190	12 500	942	HOR±45°	-	15 000	135	27	155.3	A+	12	4

Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU 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
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## CMH MR16

20	95	GX10	CMH20/MR16/UVC/830/GX10/SP	40400	93102192	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	93102193	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	93102196	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	93102207	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	93102208	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	93102209	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	93102224	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	93102225	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	93102226	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	93102227	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	93102228	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	93102229	2 200	40	942	U	12 000	12 000	54.5	51	42.2	A	12	5

## CMH AR111

35	90	GX8.5	CMH35/R111/UVC/930/GX8.5/SP10	99989	93104711	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	93104712	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	93104713	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	93104714	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	93104715	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	93104716	3 900	40	930	U	12 000	12 000	95	111	64.3	A	6	6

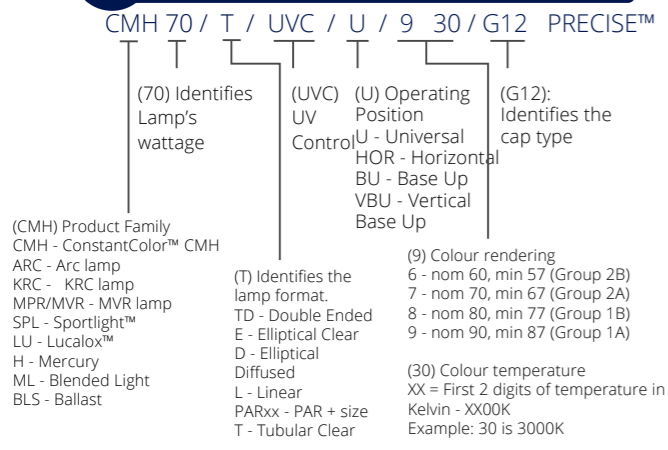
## CMH PAR 20

35	90	E27	CMH35/PAR20/UVC/830/E27/SP10	21684	93104651	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	93104652	2 100	25	830	U	10 000	10 000	92	64	42.7	A	15	7



### Product Description - explanation

For further information check the glossary





# High Intensity Discharge Lamps

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU 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
<b>ConstantColor™ - CMH PAR 30</b>																	
1	35	90	E27	CMH35/PAR30/UVC/830/E27/SP10	21689	93104653	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	93104654	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/FL25	44942	93104668	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/FL40	21682	93104649	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/FL40	74619	93104691	4 300	40	942	U	10 000	10 000	124	95.5	82.7	A	6

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU 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
<b>ConstantColor™ - CMH Elliptical Clear, Open Rated</b>																
2	150	95	E27	CMH150/UVC/O/U/942/E27/C	43285	93102198	13 200	942	U	15 000	15 000	138	55	163.3	A	6

<b>ConstantColor™ - CMH Elliptical Diffuse</b>																
3	250	117	E40	CMH250/E/UVC/U/830/E40/D	10591	93102160	23 500	830	U	24 000	24 000	227	90	289.4	A+	12

<b>ConstantColor™ - CMH Tubular Clear StreetWise</b>																
5	50	87	E27	CMH50/TT/UVC/U/730/E27 STREETWISE	93028627	93102245	5 450	730	U	24 000	24 000	156	39	59.9	A+	12
5	70	95/90	E27	CMH70/TT/UVC/U/730/E27 STREETWISE	77401	93102211	7 640/7 100	730	HOR±15°	20 000	24 000	156	39	78.1	A+	12
5	100	100/95	E40	CMH100/TT/UVC/U/730/E40 STREETWISE	77399	93102210	10 900/10 300	730	VBU	20 000	24 000	211	48	107.8	A+	12
5	150	100	E40	CMH150/TT/UVC/U/730/E40 STREETWISE	77402	93102212	16 200	730	HOR±15°	-	24 000	211	48	165	A+	12

<b>ConstantColor™ - CMH Tubular Clear</b>																
6	150	95	E40	CMH150/UVC/T/U/842/E40	21514	93102170	14 500	842	U	15 000	15 000	209	48	160.3	A+	12
6	250	117	E40	CMH250/TT/UVC/U/830/E40	10589	93102159	25 000	830	U	24 000	24 000	260	48	288.2	A+	12
6	250	110	E40	CMH250/TT/UVC/H/830/E40 TU	20302	93102169	20 000	830	HOR	-	24 000	260	48	241.6	A	12
6	250	107	E40	CMH250/T/U/942/E40	62356	93102206	25 000	942	U	16 000	16 000	260	48	285.6	A+	12
6	400	120	E40	CMH400/TT/UVC/U/830/E40	13067	93102166	41 000	830/836	U	20 000	20 000	278	60	454.2	A+	12

\* Will be phased out  
\*\*Not CE compliant product



Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated life (Horizontal) (h) / Vertical (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
<b>ARC Lamp Double Ended UVC</b>																
70	95	RX7s	ARC70/UVC/TD/730/Rx7s	34530	93102183	5 500	3000	75	HOR±45°	12 000 / -	114	19	82.5	A	12	7
70	95	RX7s	ARC70/UVC/TD/742/Rx7s	34536	93102185	5 500	4200	75	HOR±45°	12 000 / -	114	22	82.5	A	12	7
150	95	RX7s-24	ARC150/UVC/TD/732/Rx7s-24	34527	93102182	12 000	3200	75	HOR±45°	12 000 / -	132	22	165	A	12	7
150	95	RX7s-24	ARC150/UVC/TD/742/Rx7s-24	34535	93102184	12 000	4200	75	HOR±45°	12 000 / -	132	25	165	A	12	7

<b>ARC Lamp Double Ended RG-3</b>																
250	114	Fc2	ARC250/TD/832/Fc2	30099	93102173	20 000	3200	75	HOR±45°	12 000 / -	163	25	275	A	12	8
250	115	Fc2	ARC250/TD/842/Fc2	30101	93102174	20 000	4200	75	HOR±45°	8 000 / -	163	25	275	A	12	8

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

<b>ARC Lamp Double Ended Coloured UVC</b>																
150	95	RX7s-24	ARC150/UVC/TD/GREEN/RX7s-24	12181	93102163	-	Green	-	HOR±45°	6 000 / -	132	25	165	B	12	9

<b>ARC Lamp Tubular Clear</b>																
250	250	250	ARC250/T/H/960/E40**	32664	93102178	19 000	6000	90	HOR±45°	12 000 / -	220	47	299.6	A	12	10
250	250	250	ARC250/T/VBU/960/E40**	32665	93102179	19 000	6000	90	VBU±45°	- / 12 000	220	47	295.7	A	12	10
250	250	250	ARC250/T/H/742/E40**	42357	93102194	21 000	4200	70	VBU±15°	- / 12 000	220	47	294.9	A	12	10
400	400	400	ARC400/T/H/742/E40**	42369	93102195	35 000	4200	70	HOR±15°	10 000 / -	260	47	444.2	A	12	10

<b>ARC Lamp Elliptical Diffuse</b>																
250**	100	E40	ARC250/D/VBU/960/E40	32666	93102180	17 000	6000	90	VBU±45°	- / 12 000	227	90	294.8	A	12	11

<b>MVR Lamp Elliptical Clear</b>																
400	135	E40	MVR400/U/40**	85944	93102218	40 000	4000	65	U	20 000 / 20 000	292	117	440	A+	6	12
1000	V250 H245	E40	MVR1000/U/40	85924	93104704	108 000	4000	65	U	15 000 / 15 000	390	178	1188	A+	6	12

\*\*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.



# High Intensity Discharge Lamps

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU 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
<b>KRC Lamp Tubular Clear</b>																	
1	400	130	E40	KRC400/T/H/960/E40**	30052	93102172	28 400	6000	90	HOR±45°	-	14 000	270	58	418.5	A	12
1	400	130	E40	KRC400/T/H/970 /E40	93029234	93102246	25 000	7500	90	HOR±45°	-	14 000	270	58	405	A	12
1	400	130	E40	KRC400/T/VBU/960/E40**	30704	93102177	27 000	6000	90	VBU±45°	14 000	-	270	58	404.8	A	12
<b>Sportlight™ Linear</b>																	
2	1500	250	RX7SM	SPL1500/L/H/652/Rx7SM	16920	93102167	120 000	5200	65	HOR±15°	-	6 000	256	24	1672	A	1
3	2000	230	spec.	SPL2000/L/H/651/SPEC	16922	93102168	200 000	5200	65	HOR±15°	-	6 000	311	26	2339.4	A	1
<b>Sportlight™ Tubular Clear</b>																	
4	1000	120	E40	SPL1000/T/H/960/E40	88882	93102230	80 000	6000	93	HOR±60°	-	8 000	334	65	1147.1	A	4
4	2000	125	E40	SPL2000/220V/T/H/640/E40	36078	93102187	189 000	4000	65	HOR±75°	-	2 000	430	102	2090	A+	4
4	2000	225	E40	SPL2000/380V/T/H/960/E40	30102	93102175	170 000	6000	93	HOR±60°	-	5 000	430	102	2294.8	A	4
<b>Sportlight™ Internal Ignitor</b>																	
5	2000	225	E40	SPL2000/380V/I/T/H/960/E40	30103	93102176	170 000	6000	93	HOR±60°	-	5 000	430	101	2292	A	4
5	2000	235	E40	SPL2000/380V/I/T/H/640/E40	33148	93102181	190 000	4000	65	HOR±75°	-	2 000	430	101	2182.3	A+	4

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



Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
<b>Lucalox™ XO Superlife Tubular Clear</b>																
70	90	E27	LU 70/XO/SBY/T/E27	88258	93102223	6 600	2000	25	U	50 000	156	39	83.1	A+	25	6
100	100	E40	LU 100/XO/SBY/T/E40	88256	93102221	10 500	2000	25	U	60 000	211	48	110.3	A+	12	6
150	100	E40	LU 150/XO/SBY/T/E40	78737	93102213	17 500	2000	25	U	60 000	211	48	168.9	A+	12	6
250	100	E40	LU 250/XO/SBY/T/E40	78738	93102214	33 000	2000	25	U	55 000	260	48	288.7	A+	12	6
400	100	E40	LU 400/XO/SBY/T/E40	78739	93102215	55 800	2000	25	U	55 000	283	48	450.6	A++	12	6
<b>Lucalox™ XO Superlife Elliptical Diffuse</b>																
50	85	E27	LU50/85/XO/SBY/D/E27	97238	93102244	3 500	2000	25	U	40 000	156	72	58.3	A	12	7
70	90	E27	LU70/XO/SBY/D/E27	88257	93102222	6 000	2000	25	U	50 000	156	71	80.3	A	12	8
<b>Lucalox™ XO Tubular Clear</b>																
50	85	E27	LU50/85/XO/T/27	93373	93102234	4 400	2100	25	U	35 000	156	39	59.7	A	25	8
70	90	E27	LU70/90/XO/T/27	93375	93102235	6 600	2100	25	U	40 000	156	39	80.5	A+	25	8
100	100	E40	LU100/100/XO/T/40	93376	93102236	10 700	2100	25	U	40 000	211	48	111.9	A+	12	8
150	100	E40	LU150/150/XO/T/40	93377	93102237	17 500	2100	25	U	45 000	211	48	168.3	A+	12	8
250	100	E40	LU250/XO/T/40	93378	93102238	33 200	2100	25	U	45 000	260	48	285.8	A+	12	8
400	100	E40	LU400/XO/T/40	93269	93102231	56 500	2100	25	U	45 000	292	48	448.4	A++	12	8
600	115	E40	LU600/XO/T/40	93270	93102232	88 500	2100	25	U	32 000	292	48	667.3	A++	12	8
<b>Lucalox™ XO Elliptical Diffuse</b>																
50	85	E27	LU50/85/XO/D/27	45696	93102200	3 600	2100	25	U	35 000	156	72	58.4	A	12	9
70	90	E27	LU70/90/XO/D/27	45697	93102201	6 000	2100	25	U	40 000	156	72	83.9	A	12	9
100	100	E40	LU100/100/XO/D/40	93379	93102239	10 200	2100	25	U	40 000	186	76	112.2	A+	12	10
150	100	E40	LU150/100/XO/D/40	93380	93102240	16 900	2100	25	U	45 000	227	91	170.2	A+	12	10
250	100	E40	LU250/XO/D/40	93381	93102241	31 200	2100	25	U	45 000	227	91	285.7	A+	12	10
400	105	E40	LU400/XO/D/40	93296	93102233	54 000	2100	25	U	45 000	292	122	443.1	A+	6	10



# High Intensity Discharge Lamps

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Lucalox™ Standard Tubular Clear</b>																
2	70	90	E27	LU 70/90/MO/T/E27	46221	93102205	6 100	2000	25	U	28 000	156	39	78	A+	25
1	100	100	E40	LU100/100/MO/T/40	93767	93102242	9 600	2000	25	U	28 000	211	48	107.6	A+	12
1	150**	100	E40	LU150/100/40	44244	93102199	15 300	2000	25	U	28 000	211	48	163.8	A+	12
1	250**	100	E40	LU250/T/40	22453	93102171	28 500	2000	25	U	28 000	260	48	276.8	A+	12
1	400**	100	E40	LU400/T/40	11678	93102162	48 000	2000	25	U	28 000	278	48	431.9	A+	12
1	1000	250	E40	LU1000/40	85886	93102216	130 000	2100	22	U	24 000	383	79	1100	A+	6
1	1000	110	E40	LU1000/110/T/40	45751	93102202	130 000	2000	25	U	24 000	374	68	1067.1	A++	4
2	73	90	E27	LU70/90/HO/T/E27 MIC	93031989	93102250	6 500	2000	21	U	28 000	156	39	80,6	A+	25
1	100	100	E40	LU100/100/HO/T/E40 MIC	93032129	93102252	10 400	2000	21	U	28 000	211	48	110,44	A+	12
1	150	100	E40	LU150/100/HO/T/E40	97241	93102249	17 500	2000	21	U	28 000	283	48	172,7	A+	12
1	250	100	E40	LU250/100/HO/T/E40 MIC	93032128	93102251	32 500	2000	21	U	28 000	260	48	291,93	A+	12
2	400	100	E40	LU400/HO/T/E40	97240	93102248	56 200	2000	21	U	28 000	260	48	444,4	A++	12
<b>Lucalox™ Standard Elliptical Diffuse</b>																
3	70	90	E27	LU70/90/MO/D/E27	46217	93104669	5 750	2000	25	U	28 000	156	72	77.8	A	12
<b>Lucalox™ Internal Ignitor Elliptical Clear</b>																
3	70	90	E27	LU 70/90/MO/I/E27	46209	93102204	6 100	2000	25	U	17 500	156	72	79.4	A+	12
<b>Lucalox™ Internal Ignitor Elliptical Diffuse</b>																
4	70	90	E27	LU70/90/MO/D/I/E27	46186	93102203	5 750	2000	25	U	17 500	156	72	78.2	A	12
<b>Mixed Light</b>																
6	160	230-240	E27	OT ML 230-240V 160W E27 GE 1/24 MIC DS	63675**	93104681	3 100	4200	52	VBU±30	8 000	170	76	185.4	D	24
5	250	230-240	E40	OT ML 230-240V 250W E40 GE 1/12 MIC DS	63678**	93104684	5 500	3800	52	U	8 000	227	91	277.5	C	12

\*\*Not CE compliant product



# High Intensity Discharge Lamps

## CMH

### Brand cross reference

GE/ Tungsrham	Osram	Philips
<b>ConstantColor™ CMH</b>		
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

GE/ Tungsrham	Osram	Philips
<b>ConstantColor™ CMH</b>		
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



# Linear Fluorescent Lamps

## 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

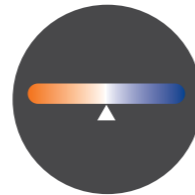
We also offer a choice of enhanced performance products in the form of our energy saving Watt-Miser™ Lamps and high rated life LongLast™ products.



LONG LIFE



REDUCED MAINTENANCE COSTS



WIDE RANGE OF COLOUR TEMPERATURES



**WattMiser™**

### Watt-Miser™ Lamps

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

**LongLast™**

### 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



### LongLast™ High Output LongLast™

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



### LongLast™ High Efficiency LongLast™

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



### Triphosphor

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

## T5 Tubes



### T5 Circline™

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

## Circular Tubes



### Polylux XLR™ LongLast™

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



### LongLast™ Polylux XLR™

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

## T5 Tubes



### Glow Starters

For wattages: 4 — 125W

## Starter



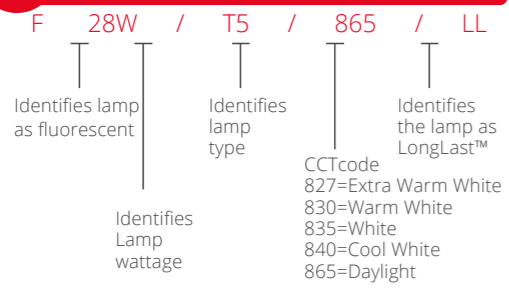
# Linear Fluorescent Lamps

Model	Wattage (W)	Length (mm)	Diameter (mm)	Product Description	GE Product Code	TU 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
<b>T5 LongLast™ — High Efficiency, G5 Cap</b>														
1	14	549	16	F14W/T5/830/LL	61087	93096154	1 350	Warm White	3000	85	30 000	15	A+	30
1	14	549	16	F14W/T8/830/LL/BULK	61066	93108417	1 350	Warm White	3000	85	30 000	15	A+	40
1	14	549	16	F14W/T5/840/LL	61091	93096155	1 350	Cool White	4000	85	30 000	15	A+	30
1	14	549	16	F14W/T8/840/LL/BULK	61067	93108418	1 350	Cool White	4000	85	30 000	15	A+	40
1	14	549	16	F14W/T5/865/LL	61088	93096196	1 250	Daylight	6500	85	30 000	15	A+	30
1	21	849	16	F21W/T5/830/LL	61092	93096197	2 100	Warm White	3000	85	30 000	23	A+	30
1	21	849	16	F21W/T5/840/LL	61093	93096198	2 100	Cool White	4000	85	30 000	23	A+	30
1	21	849	16	F21W/T8/840/LL/BULK	61068	93108419	2 100	Cool White	4000	85	30 000	23	A+	40
1	21	849	16	F21W/T5/865/LL	61094	93096199	1 950	Daylight	6500	85	30 000	23	A+	30
1	28	1 149	16	F28W/T5/830/LL	61096	93096200	2 900	Warm White	3000	85	30 000	31	A+	30
1	28	1 149	16	F28W/T5/830/LL/BULK	61069	93108420	2 900	Warm White	3000	85	30 000	31	A+	40
1	28	1 149	16	F28W/T5/840/LL	61102	93096201	2 900	Cool White	4000	85	30 000	31	A+	30
1	28	1 149	16	F28W/T5/840/LL/BULK	61070	93108421	2 900	Cool White	4000	85	30 000	31	A+	40
1	28	1 149	16	F28W/T5/865/LL	61098	93096202	2 700	Daylight	6500	85	30 000	31	A+	30
1	35	1 449	16	F35W/T5/830/LL	61100	93096203	3 650	Warm White	3000	85	30 000	38	A+	30
1	35	1 449	16	F35W/T5/840/LL	61103	93096204	3 650	Cool White	4000	85	30 000	38	A+	30
1	35	1 449	16	F35W/T5/840/LL/BULK	61071	93108422	3 650	Cool White	4000	85	30 000	38	A+	40
1	35	1 449	16	F35W/T5/865/LL	61104	93096205	3 400	Daylight	6500	85	30 000	38	A+	30

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	GE Product Code	TU 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
<b>T5 LongLast™ — High Output, G5 Cap</b>														
24	549	16	F24W/T5/830/LL	61105	93096206	2 000	Warm White	3000	85	30 000	25	A+	30	1
24	549	16	F24W/T5/840/LL	61097	93096207	2 000	Cool White	4000	85	30 000	25	A+	30	1
24	549	16	F24W/T5/840/LL/BULK	61081	93108423	2 000	Cool White	4000	85	30 000	25	A+	40	1
24	549	16	F24W/T5/865/LL	61107	93096208	1 900	Daylight	6500	85	30 000	25	A	30	1
39	849	16	F39W/T5/830/LL	61108	93096209	3 500	Warm White	3000	85	30 000	42	A+	30	1
39	849	16	F39W/T5/840/LL	61109	93096210	3 500	Cool White	4000	85	30 000	42	A+	30	1
39	849	16	F39W/T5/840/LL/BULK	61082	93108424	3 500	Cool White	4000	85	30 000	42	A+	40	1
49	1 449	16	F49W/T5/830/LL	61119	93096214	4 900	Warm White	3000	85	30 000	54	A+	30	1
49	1 449	16	F49W/T5/835/LL	61121	-	4 900	White	3500	85	30 000	54	A+	30	1
49	1 449	16	F49W/T5/840/LL	61122	93096215	4 900	Cool White	4000	85	30 000	54	A+	30	1
49	1 449	16	F49W/T5/840/LL/BULK	61084	93108426	4 900	Cool White	4000	85	30 000	54	A+	40	1
49	1 449	16	F49W/T5/865/LL	78707	93096216	4 650	Daylight	6500	85	30 000	54	A+	30	1
54	1 149	16	F54W/T5/830/LL	61110	93096211	5 000	Warm White	3000	85	30 000	59	A+	30	1
54	1 149	16	F54W/T5/840/LL	61111	93096212	5 000	Cool White	4000	85	30 000	59	A+	30	1
54	1 149	16	F54W/T5/840/LL/BULK	61083	93108425	5 000	Cool White	4000	85	30 000	59	A+	40	1
54	1 149	16	F54W/T5/865/LL	61118	93096213	4 750	Daylight	6500	85	30 000	59	A+	30	1
80	1 449	16	F80W/T5/830/LL	78708	93096217	7 000	Warm White	3000	85	30 000	89	A	30	1
80	1 449	16	F80W/T5/840/LL	78709	93096218	7 000	Cool White	4000	85	30 000	89	A	30	1
80	1 449	16	F80W/T5/840/LL/BULK	61085	93108427	7 000	Cool White	4000	85	30 000	89	A	40	1

### Product Description — explanation

For further information check the glossary





# Linear Fluorescent Lamps

Model	Wattage (W)	Length (mm)	Diameter (mm)	Product Description	GE Product Code	TU 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
<b>T5 Miniature — Triphosphor — Emergency Lighting, G5 Cap</b>														
1	4	135.9	16	F4W/T5/33	-	93114842	155	Cool White	4000	80+	8000	4	B	25
1	6	212.1	16	F6W/T5/35	-	93114843	240	White	3500	80+	8000	6	A	25
1	6	212.1	16	F6W/T5/33	-	93114844	240	Cool White	4000	80+	8000	6	A	25
1	8	288.3	16	F8W/T5/29	-	93114839	450	White	3500	80+	8000	8	A	25
1	8	288.3	16	F8W/T5/35	-	93114837	450	White	3500	80+	8000	8	A	100
1	8	288.3	16	F8W/T5/33	-	93114838	450	Cool White	4000	80+	8000	8	A	25
1	8	288.3	16	F13W/T5/29	-	93114845	450	Cool White	4000	80+	8000	8	A	100
1	13	516.9	16	F13W/T5/35	-	93114840	950	White	3500	80+	8000	13	A	25
1	13	516.9	16	F13W/T5/33	-	93114841	950	Cool White	4000	80+	8000	13	A	25
<b>T5 Circline™ - 2Gx13 Cap</b>														
2	22	230	16	FC22W/T5/830	75709	93108430	1 900	Warm White	3000	82	12 000	25	A	10
2	22	230	16	FC22W/T5/840	75720	93108435	1 900	Cool White	4000	82	12 000	25	A	10
2	40	305	16	FC40W/T5/830	75712	93108431	3 300	Warm White	3000	82	12 000	45	A	10
2	40	305	16	FC40W/T5/840	75713	93108432	3 300	Cool White	4000	82	12 000	45	A	10
2	55	305	16	FC55W/T5/830	75717	93108433	4 200	Warm White	3000	82	12 000	61	A	10
2	55	305	16	FC55W/T5/840	75718	93108434	4 200	Cool White	4000	82	12 000	61	A	10
<b>T8 Polylux XLR™ LongLast™ - G13 Cap</b>														
3	18	589.8	26	F18W/T8/840/LL	62566	-	1 350	Cool White	4000	80+	28 000	22	A	25
3	36	1 199.4	26	F36W/T8/840/LL	62564	-	3 350	Cool White	4000	80+	28 000	42	A	25
3	58	1 500	26	F58W/T8/830/LL	62563	-	5 200	Warm White	3000	80+	28 000	67	A	25
3	58	1 500	26	F58W/T8/840/LL	62562	-	5 200	Cool White	4000	80+	28 000	67	A	25

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	GE Product Code	TU 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
<b>T8 Polylux XLR™ — G13 Cap</b>														
15	437.4	26	F15W/T8/840/POLYLUX	93060905	93096219	950	Cool White	4000	80+	15 000	19	B	25	4
15	437.4	26	F15W/T8/860/POLYLUX	93060906	93096220	900	Daylight	6400	80+	15 000	18	B	25	4
18	589.8	26	F18W/T8/830/POLYLUX	93060907	93096221	1 350	Warm White	3000	80+	15 000	22	A	25	4
18	589.8	26	F18W/T8/835/POLYLUX	93060908	93096222	1 350	White	3500	80+	15 000	22	A	25	4
18	589.8	26	F18W/T8/840/POLYLUX	93060909	93096223	1 350	Cool White	4000	80+	15 000	22	A	25	4
18	589.8	26	F18W/T8/860/POLYLUX	93060910	93096224	1 250	Daylight	6400	80+	15 000	22	A	25	4
30	894.6	26	F30W/T8/840/POLYLUX	93082422	93096225	2 450	Cool White	4000	80+	15 000	35	A	25	4
30	894.6	26	F30W/T8/860/POLYLUX	93082423	93096226	2 300	Daylight	6400	80+	15 000	36	A	25	4
36	1 199.4	26	F36W/T8/830/POLYLUX	93060911	93096227	3 350	Warm White	3000	80+	15 000	42	A	25	4
36	1 199.4	26	F36W/T8/835/POLYLUX	93060912	93096228	3 350	White	3500	80+	15 000	42	A	25	4
36	1 199.4	26	F36W/T8/840/POLYLUX	93060913	93096229	3 350	Cool White	4000	80+	15 000	42	A	25	4
36	1 199.4	26	F36W/T8/860/POLYLUX	93060914	93096230	3 250	Daylight	6400	80+	15 000	43	A	25	4
58	1 500	26	F58W/T8/830/POLYLUX	93060915	93096231	5 200	Warm White	3000	80+	15 000	68	A	25	4
58	1 500	26	F58W/T8/835/POLYLUX	93060916	93096232	5 200	White	3500	80+	15 000	68	A	25	4
58	1 500	26	F58W/T8/840/POLYLUX	93060917	93096233	5 200	Cool White	4000	80+	15 000	68	A	25	4
58	1 500	26	F58W/T8/860/POLYLUX	93060918	93096234	5 000	Daylight	6400	80+	15 000	68	A	25	4
70	1 763.8	26	F70W/T8/835/POLYLUX	62572	93108428	6 000	White	3500	80+	15 000	81	A	25	4
70	1 763.8	26	F70W/T8/840/POLYLUX	62573	93108429	6 000	Cool White	4000	80+	15 000	81	A	25	4

Wattage (W)	Volt (V)	Product Description	Rated Life (switching cycles)	Product Code	Pack Qty	Model
<b>Starter</b>						
Series 4-8W, 15-22W	220-240 *	155/200/4-22W/TANDEM/BX	10 000	36711	250	5
Series 4-8W, 15-22W	220-240 *	155/200/4-22W/TANDEM/IND	10 000	36714	2,000	5
Single 4-65W	220-240	155/500 4-65W/UNIV/BX	10 000	36536	250	5
Single 4-65W	220-240	155/500 4-65W/UNIV/IND	10 000	36537	2 000	5
Single 75-125W	220-240	155/800/75-125W/BX	6 000	37864	250	5



1 2 3



4 5

# Linear Fluorescent Lamps

## Brand cross reference

GE / Tungsram	Osram	Philips	Sylvania
<b>T5 Watt-Miser™ High Efficiency</b>	<b>Lumilux T5 HE ES</b>	<b>Master TL5 HE Eco</b>	<b>T5 FHE Linear Ecoline</b>
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
<b>T5 Watt-Miser™ High Output</b>	<b>Lumilux T5 HO ES</b>	<b>Master TL5 HO Eco</b>	<b>T5 FHO Linear Ecoline</b>
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
<b>T5 LongLast™ High Efficiency</b>	<b>Lumilux T5 HE XT</b>	<b>Master TL5 HE</b>	
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	—	—
<b>T5 LongLast™ High Output</b>	<b>Lumilux T5 HO XT</b>	<b>Master TL5 HO Xtra</b>	
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
<b>T5 Miniature Specfill Triphosphor</b> <small>EMERGENCY LIGHTING</small>	<b>Lumilux T5 Short EL</b>	<b>Master TL Mini Super 80</b>	<b>T5 Emergency</b>
F8W/T5/840/SPECFILL	8W/840	—	F8W/840/SP200
F8W/T5/865/SPECFILL	—	—	—
<b>T5 Miniature Specfill Standard</b> <small>EMERGENCY LIGHTING</small>	<b>Basic T5 Short EL</b>	<b>TL Mini Standard</b>	<b>T5 Emergency</b>
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
<b>T5 Miniature Standard</b>	<b>Basic T5 short</b>		<b>T5 Standard</b>
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
<b>T5 Circline™</b>	<b>Lumilux T5 FC</b>	<b>Master TL5 Circular</b>	<b>T5 Circline Plus</b>
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
<b>T8 Watt-Miser™</b>	<b>Lumilux T8 ES</b>	<b>Master TL-D Eco</b>	<b>T8 Luxline Eco</b>
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 / Tungram	Osram	Phillips	Sylvania
<b>T8 Polylux XLR™ LongLast™</b>	<b>Lumilux XT T8</b>	<b>Master TL-D Xtra</b>	
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	—
<b>T8 Polylux XLR™</b>	<b>Lumilux T8</b>	<b>Master TL-D Super 80</b>	<b>T8 Luxline Plus</b>
F15W/T8/830/POLYLUX	L15W/830	15W/830	F15W/830
FF15W/T8/835 POLYLUX	—	—	F15W/835
F15W/T8/840/POLYLUX	L15W/840	15W/840	F15W/840
F15W/T8/860/POLYLUX	L15W/860	—	F15W/865
F18W/T8/827/POLYLUX	L18W/827	18W/827	F18W/827
F18W/T8/830/POLYLUX	L18W/830	18W/830	F18W/830
F18W/T8/835/POLYLUX	L18W/835	18W/835	F18W/835
F18W/T8/840/POLYLUX	L18W/840	18W/840	F18W/840
F18W/T8/860/POLYLUX	L18W/865	18W/865	F18W/865
F30W/T8/830/POLYLUX	L30W/830	30W/830	F30W/830
F30W/T8/835/POLYLUX	—	—	F30W/835
F30W/T8/840/POLYLUX	L30W/840	30W/840	F30W/840
F30W/T8/860/POLYLUX	L30W/865	—	F30W/865
F36W/T8/827/POLYLUX	L36W/827	36W/827	F36W/827
F36W/T8/830/POLYLUX	L36W/830	36W/830	F36W/830
F36W/T8/835/POLYLUX	L36W/835	36W/835	F36W/835
F36W/T8/840/POLYLUX	L36W/840	36W/840	F36W/840
F36W/T8/860/POLYLUX	L36W/865	36W/865	F36W/865
F58W/T8/827/POLYLUX	L58W/827	58W/827	F58W/827
F58W/T8/830/POLYLUX	L58W/830	58W/830	F58W/830
F58W/T8/835/POLYLUX	L58W/835	58W/835	F58W/835
F58W/T8/840/POLYLUX	L58W/840	58W/840	F58W/840
F58W/T8/860/POLYLUX	L58W/865	58W/865	F58W/860
F70W/T8/835/POLYLUX	L70W/835	70W/835	F70W/835
F70W/T8/840/POLYLUX	L70W/840	70W/840	F70W/840



# Compact Fluorescent Lamps Non-integrated

The background is a dark blue gradient with a complex network of glowing light blue lines and nodes. The lines are of varying thickness and curvature, creating a sense of depth and movement. Some nodes are larger and brighter, while others are smaller and dimmer, suggesting a hierarchical or interconnected structure. The overall effect is a futuristic, digital, or scientific aesthetic.

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<sub>2</sub> 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<sub>2</sub> EMISSION



### 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

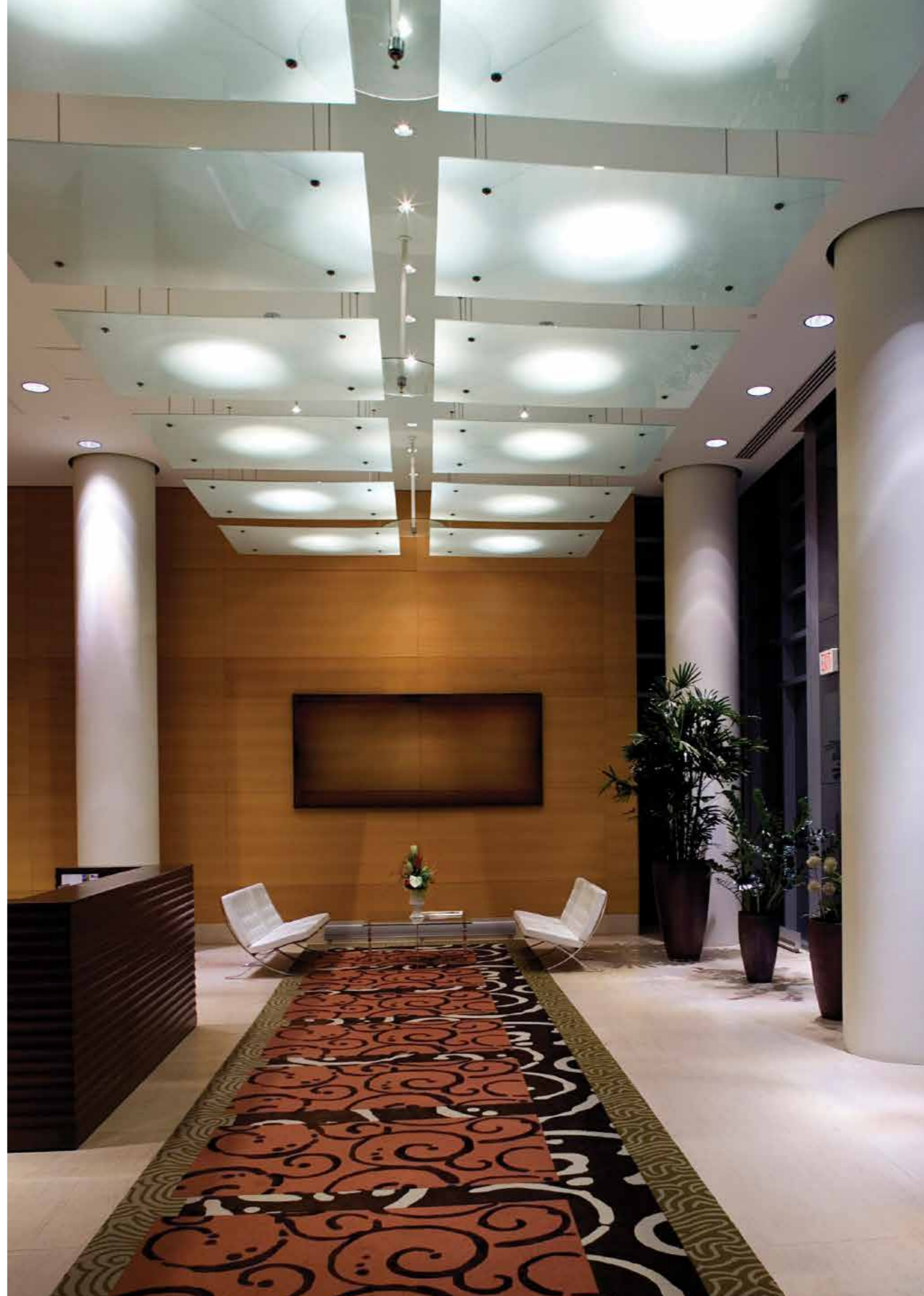


### CFL LongLast™ Lamps

- 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](http://www.gelighting.com/eu)

#### Application areas:

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



**TC** Compact Fluorescent Lamps Non-Integrated  
Product overview



**Biax™ S - 2-pin**  
Cap: G23  
Wattages: 5-7-9-11W  
Colours: 2700 — 6500K  
Rated life: 10 000 h



**Biax™ S/E - 4-pin**  
Cap: 2G7  
Wattages: 5-7-9-11W  
Colours: 2700 — 6500K  
Rated life: 10 000 h  
11W version available in Red/  
Green/Blue colours.

Biax™ S



**LongLast™**  
**Biax™ 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



**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  
Colours: 2700 — 6500K  
Rated life: 20 000 h

Biax™ D



**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™



**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



# Compact Fluorescent Lamps Non-Integrated

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Biax™ S 2-pin, Internal Starter</b>															
1	5	35	G23	F5BX/SPX27/827	37654	93105936	265	2700	82	10 000	32	107.5	7.2	B	10
1	5	35	G23	F5BX/SPX41/840	37661	93105940	265	4000	82	10 000	32	107.5	7.2	B	10
1	7	47	G23	F7BX/SPX27/827	37846	93105951	425	2700	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/830	38930	93105954	425	3000	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/SPX35/835	37659	93105938	425	3500	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/SPX41/840	37660	93105939	425	4000	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/865	38984	93105955	425	6500	82	10 000	32	136.5	9.2	A	10
1	9	60	G23	F9BX/827	37651	93105933	600	2700	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/830	38929	93105953	600	3000	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/SPX35/835	37652	93105934	600	3500	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/SPX41/840	37653	93105935	600	4000	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/865	38985	93105956	600	6500	82	10 000	32	167	11.1	A	10
1	11	91	G23	F11BX/827	37663	93105941	900	2700	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/830	38928	93105952	900	3000	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/835	37666	93105943	900	3500	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/840	37664	93105942	900	4000	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/865	38986	93105957	900	6500	82	10 000	32	237	14.7	A	10

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Biax™ S/E 4-pin, External Starter Required</b>															
2	5	35	2G7	F5BX/827/4P	37714	93105947	265	2700	82	15 000*	37.5	92	5.5	A	10
2	5	35	2G7	F5BX/840/4P	37715	93105948	265	4000	82	15 000*	37.5	92	5.5	A	10
2	7	47	2G7	F7BX/827/4P	37658	93105937	425	2700	82	15 000*	37.5	121	7.2	A	10
2	7	47	2G7	F7BX/840/4P	37716	93105949	425	4000	82	15 000*	37.5	121	7.2	A	10
2	9	60	2G7	F9BX/827/4P	37710	93105944	600	2700	82	15 000*	37.5	151	8.8	A+	10
2	9	60	2G7	F9BX/830/4P	97926	93106039	600	3000	82	15 000*	37.5	151	8.8	A+	10
2	9	60	2G7	F9BX/840/4P	37711	93105945	600	4000	82	15 000*	37.5	151	8.8	A+	10
2	11	91	2G7	F11BX/827/4P	37717	93105950	900	2700	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/830/4P	97925	93106038	600	3000	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/840/4P	37713	93105946	900	4000	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/865/4P	12603	93105892	900	6500	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/GREEN/2G7	98311*	93106040	1 200	GREEN	N/A	15 000*	37.5	222	N/A	N/A	10
2	11	91	2G7	F11BX/BLUE/2G7	98313*	93106041	250	BLUE	N/A	15 000*	37.5	222	N/A	N/A	10
2	11	91	2G7	F11BX/RED/2G7	98314*	93106042	600	RED	N/A	15 000*	37.5	222	N/A	N/A	10

\* Life on electronic gear 12h-cycle

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Biax™ D 2-pin, Internal Starter</b>															
3	10	64	G24D-1	F10DBX/T4/827/2P	70248	93106002	600	2700	82	12 000	34.4	108.5	12.7	B	10
3	10	64	G24D-1	F10DBX/T4/830/2P	70258	93106003	600	3000	82	12 000	34.4	108.5	12.7	B	10
3	10	64	G24D-1	F10DBX/T4/840/2P	70265	93106004	600	4000	82	12 000	34.4	108.5	12.7	B	10
3	10	64	G24D-1	F10DBX/T4/865/2P	70268	93106005	600	6500	82	12 000	34.4	108.5	12.7	B	10
3	13	91	G24D-1	F13DBX/T4/827/2P	70561	170223	900	2700	82	12 000	34.4	133	16.2	A	10
3	13	91	G24D-1	F13DBX/T4/830/2P	70572	93106009	900	3000	82	12 000	34.4	133	16.2	A	10
3	13	91	G24D-1	F13DBX/T4/840/2P	70573	189862	900	4000	82	12 000	34.4	133	16.2	A	10
3	13	91	G24D-1	F13DBX/T4/865/2P	70574	195630	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	93105893	1 200	2700	82	12 000	34.4	154	22.1	B	10
3	18	100	G24d-2	F18DBXT4/SPX30/830	12861	93105894	1 200	3000	82	12 000	34.4	154	22.1	B	10
3	18	100	G24d-2	F18DBXT4/SPX35/835	12863	93105895	1 200	3500	82	12 000	34.4	154	22.1	B	10
3	18	100	G24d-2	F18DBXT4/SPX41/840	12864	93105896	1 200	4000	82	12 000	34.4	154	22.1	B	10
3	18	100	G24d-2	F18DBXT4/SPX65/865	13017	93105901	1 200	6500	82	12 000	34.4	154	22.1	B	10
3	26	105	G24d-3	F26DBXT4/SPX27/827	35250	93105920	1 800	2700	82	12 000	34.4	169.5	31.4	B	10
3	26	105	G24d-3	F26DBXT4/SPX30/830	35237	93105917	1 800	3000	82	12 000	34.4	169.5	31.4	B	10
3	26	105	G24d-3	F26DBXT4/SPX35/835	35251	93105921	1 800	3500	82	12 000	34.4	169.5	31.4	B	10
3	26	105	G24d-3	F26DBXT4/SPX41/840	35252	93105922	1 800	4000	82	12 000	34.4	169.5	31.4	B	10
3	26	105	G24d-3	F26DBXT4/SPX65/865	35305	93105923	1 710	6500	82	12 000	34.4	169.5	31.5	B	10

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Biax™ D/E LongLast™ 4-pin, External Starter Required</b>															
4	18	100	G24q-2	F18DBX/SPX27/827/4P	12865	93105897	1 200	2700	82	20 000*	34.4	146.5	18.2	A	10
4	18	100	G24q-2	F18DBX/SPX30/830/4P	12866	93105898	1 200	3000	82	20 000*	34.4	146.5	18.2	A	10
4	18	100	G24q-2	F18DBX/SPX35/835/4P	12869	93105899	1 200	3500	82	20 000*	34.4	146.5	18.2	A	10
4	18	100	G24q-2	F18DBX/SPX41/840/4P	12870	93105900	1 200	4000	82	20 000*	34.4	146.5	18.2	A	10
4	26	105	G24q-3	F26DBX/SPX27/827/4P	35247	93105918	1 800	2700	82	20 000*	34.4	162	26.4	A	10
4	26	105	G24q-3	F26DBX/SPX30/830/4P	35235	93105915	1 800	3000	82	20 000*	34.4	162	26.4	A	10
4	26	105	G24q-3	F26DBX/SPX35/835/4P	35248	93105919	1 800	3500	82	20 000*	34.4	162	26.4	A	10
4	26	105	G24q-3	F26DBX/SPX41/840/4P	35236	93105916	1 800	4000	82	20 000*	34.4	162	26.4	A	10
4	26	105	G24q-3	F26DBX/SPX65/865/4P	42798	93105986*	1 710	6500	82	20 000*	34.4	162	26.4	A	10

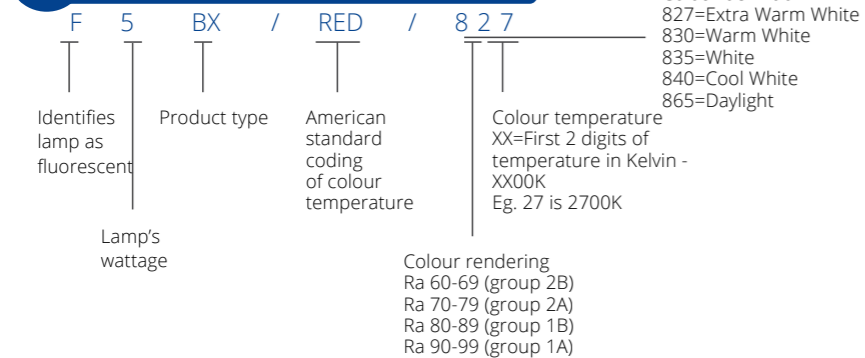
Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Biax™ D/E LongLast™ 4-pin, External Starter Required</b>															
5	10	64	G24q-1	F10DBX/T4/827/4P	70553	93106007	600	2700	82	20 000**	34.4	101	10.5	A	10
5	10	64	G24q-1	F10DBX/T4/830/4P	70555	93106008	600	3000	82	20 000**	34.4	101	10.5	A	10
5	10	64	G24q-1	F10DBX/T4/840/4P	70560	93106010	600	4000	82	20 000**	34.4	101	10.5	A	10
5	13	91	G24q-1	F13DBX/T4/827/4P	70580	93106011	900	2700	82	20 000**	34.4	125.5	13.8	A	10
5	13	91	G24q-1	F13DBX/T4/830/4P	70583	93106012	900	3000	82	20 000**	34.4	125.5	13.8	A	10
5	13	91	G24q-1	F13DBX/T4/840/4P	70584	93106013	900	4000	82	20 000**	34.4	125.5	13.8	A	10
5	13	91	G24q-1	F13DBX/T4/865/4P	70587	93106013	900	6500	82	20 000**	34.4	125.5	13.8	A	10

\*Will be phased out

\*\* Life on electronic gear 12h-cycle

## Product Description - explanation

For further information check the glossary



# Compact Fluorescent Lamps Non-Integrated

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Biax™ T 2-pin with Amalgam, Internal Starter</b>															
1	13	91	GX24d-1	F13TBX/827/A/2P	35940	93105925	900	2700	82	12 000	49.3	112.9	16.2	B	10
1	13	91	GX24d-1	F13TBX/SPX30/830/A/2P	35966	93105932	900	3000	82	12 000	49.3	112.9	16.2	B	10
1	13	91	GX24d-1	F13TBX/SPX41/A/2P	35941	93105926	900	4000	82	12 000	49.3	112.9	16.2	B	10
1	18	100	GX24d-2	F18TBX/SPX27/827/A/2P	35945	93105928	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	93105927	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	93105924	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	93105930	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	93105929	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	93105931	1 800	4000	82	12 000	49.3	139.9	32.8	B	10

<b>Biax™ T/E LongLast™ 4-pin with Amalgam, External Starter Required</b>															
2	13	91	GX24q-1	F13TBX/SPX27/827/A/4P	34391	93105906	900	2700	82	20 000**	49.3	106.2	13.8	A	10
2	13	91	GX24q-1	F13TBX/SPX30/830/A/4P	34395	93105909	900	3000	82	20 000**	49.3	106.2	13.8	A	10
2	13	91	GX24q-1	F13TBX/SPX35/835/A/4P	34400	93105912	900	3500	82	20 000**	49.3	106.2	13.8	A	10
2	13	91	GX24q-1	F13TBX/SPX41/840/A/4P	34387	93105905	900	4000	82	20 000**	49.3	106.2	13.8	A	10
2	18	100	GX24q-2	F18TBX/SPX27/827/A/4P	34392	93105907	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	93105910	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	93105913	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	93105904	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	93105908	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	93105911	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	93105914	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	93105903	1 800	4000	82	20 000**	49.3	133.2	26.4	A	10

<b>Biax™ T/E LongLast™ 4-pin with Amalgam, External Starter Required with HF gear*</b>															
3	32	100	GX24q-3	F32TBX/SPX27/827/AP4P	94520	93106035	2 400	2700	82	20 000**	49.3	146.2	35.2	A	10
3	32	100	GX24q-3	F32TBX/SPX30/830/AP4P	94521	93106036	2 400	3000	82	20 000**	49.3	146.2	35.2	A	10
3	32	100	GX24q-3	F32TBX/SPX35/835/AP4P	94522	93106037	2 400	3500	82	20 000**	49.3	146.2	35.2	A	10
3	32	100	GX24q-3	F32TBX/SPX41/840/AP4P	94523	528682	2 400	4000	82	20 000**	49.3	146.2	35.2	A	10
3	42	135	GX24q-4	F42TBX/827/A/4P	46312	93105997	3 200	2700	82	20 000**	49.3	163.2	47.3	A	10
3	42	135	GX24q-4	F42TBX/830/A/4P	46313	93105998	3 200	3000	82	20 000**	49.3	163.2	47.3	A	10
3	42	135	GX24q-4	F42TBX/835/A/4P	46314	93105999	3 200	3500	82	20 000**	49.3	163.2	47.3	A	10
3	42	135	GX24q-4	F42TBX/841/A/4P	46315	93106000	3 200	4000	82	20 000**	49.3	163.2	47.3	A	10

<b>Biax™ Q/E LongLast™ 4-pin with Amalgam, External Starter Required with HF gear*</b>															
4	57	175	GX24q-5	F57QBX/827/A/4P/LL	45213	93105992	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	93105990	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	93105989	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	93105988	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	93105991	5 200	3000	82	20 000**	58.3	208.2	77	A	10
4	70	219	GX24q-6	F70QBX/835/A/4P/LL	45219	93105994	5 200	3500	82	20 000**	58.3	208.2	77	A	10
4	70	219	GX24q-6	F70QBX/840/A/4P/LL	45218	93105993	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



Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
<b>Biax™ L LongLast™ 4-pin, External Starter Required with HF gear*</b>															
40	126	2G11	F40BX/830	41171	93105972	3 500	3000	82	22 500*	43.8	538.8	44	A	25	5
40	126	2G11	F40BX/835	41172	93105973	3 500	3500	82	22 500*	43.8	538.8	44	A	25	5
40	126	2G11	F40BX/840	41173	93105974	3 500	4000	82	22 500*	43.8	538.8	44	A	25	5
55	101	2G11	F55BX/830	41174	93105975	4 800	3000	82	22 500*	43.8	538.8	60.5	A	25	5
55	101	2G11	F55BX/835	41260	93105976	4 800	3500	82	22 500*	43.8	538.8	60.5	A	25	5
55	101	2G11	F55BX/840	41298	93105977	4 800	4000	82	22 500*	43.8	538.8	60.5	A	25	5
55	101	2G11	F55BX/865	75695	93106015	4 550	6500	82	22 500*	43.8	538.8	60.5	A	25	5

<b>Biax™ L 4-pin, External Starter Required</b>															
18	58	2G11	F18BX/827	41087	93105958	1 250	2700	82	15 000*	43.8	231.3	17.6	A	25	6
18	58	2G11	F18BX/830	41088	93105959*	1 250	3000	82	15 000*	43.8	231.3	17.6	A	25	6
18	58	2G11	F18BX/835	41089	93105960	1 250	3500	82	15 000*	43.8	231.3	17.6	A	25	6
18	58	2G11	F18BX/840	41090	93105961	1 250	4000	82	15 000*	43.8	231.3	17.6	A	25	6
24	87	2G11	F24BX/827	41128	93105962	1 800	2700	82	15 000*	43.8	326.8	24.2	A	25	6
24	87	2G11	F24BX/830	41134	93105963	1 800	3000	82	15 000*	43.8	326.8	24.2	A	25	6
24	87	2G11	F24BX/835	41145	93105964	1 800	3500	82	15 000*	43.8	326.8	24.2	A	25	6
24	87	2G11	F24BX/840	41155	93105965	1 800	4000	82	15 000*	43.8	326.8	24.2	A	25	6
34	120	2G11	F34BX/830	41163	93105966	2 800	3000	82	15 000*	43.8	538.8	33	A+	25	6
34	120	2G11	F34BX/835	41166	93105967	2 800	3500	82	15 000*	43.8	538.8	33	A+	25	6
34	120	2G11	F34BX/840	41167	93105968	2 800	4000	82	15 000*	43.8	538.8	33	A+	25	6
36	106	2G11	F36BX/827	41307	93105978	2 900	2700	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/830	41168	93105969	2 900	3000	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/835	41169	93105970	2 900	3500	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/840	41170	93105971	2 900	4000	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/865	75694	93106014	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





# Compact Fluorescent Lamps Non-Integrated

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>2D™ Watt-Miser™</b>															
1	16	103	GR8	F162D/T4/827/2P GE HB 1/10 WM	85135	93106024	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	93106025	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	93106027	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	93106028	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	93106026	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	93106029	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	93106030	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	93106031	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	93106017	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	93106018	2 150	2700	82	15 000	202	204	27	A	20
1	28	108	GR10q	F282D/T5/830/4P GE HB1/10 WM	85120	93106019	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	93106020	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	93106021	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	93106022	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	93106023	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
<b>Biax™ 2D™</b>															
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	93112547	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



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# Compact Fluorescent Lamps Non-Integrated

## Brand cross reference

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

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

# Compact Fluorescent Lamps Non-Integrated

## Brand cross reference

GE / Tungstram		Osram	Philips	Sylvania
Biax™ T/E 4-pin		Dulux T/E Plus	Master PL-T 4p0in	Lynx- TE
	F32TBX/840/A/4P/EOL	DULUX T/E 32W/840	PL-T 32W/840/4P	Lynx TE 32W/840
42W	F42TBX/827/A/4P/EOL	DULUX T/E 42W/827	PL-T 42W/827/4P	—
	F42TBX/830/A/4P/EOL	DULUX T/E 42W/830	PL-T 42W/830/4P	Lynx TE 42W/830
	F42TBX/841/A/4P/EOL	—	—	—
	F42TBX/835/A/4P/EOL	DULUX T/E 42W/840	PL-T 42W/830/4P	Lynx TE 42W/840
Biax™ Q/E 4-pin		Dulux T/E	PL-T	Lynx- TE t
57W	F57QBX/827/A/4P/EOL	—	PL-T 57W/827/4P	—
	F57QBX/830/A/4P/EOL	—	PL-T 57W/830/4P	—
	F57QBX/835/A/4P/EOL	—	—	—
70W	F57QBX/840/A/4P/EOL	—	PL-T 57W/840/4P	—
	F70QBX/830/A/4P/EOL	—	—	—
	F70QBX/835/A/4P/EOL	—	—	—
	F70QBX/840/A/4P/EOL	—	—	—
Biax™ L 4-pin		Dulux-L	PL-L	Lynx L & Lynx-LE
18W	F18BX/827	DULUX L 18W/827	—	Lynx L 18W/827
	F18BX/830	DULUX L 18W/830	PL-L 18W/830/4P	Lynx L 18W/830
	F18BX/835	DULUX L 18W/835	PL-L 18W/835/4P	—
	F18BX/840	DULUX L 18W/840	PL-L 18W/840/4P	Lynx L 18W/840
24W	F24BX/827	DULUX L 24W/827	—	Lynx L 24W/827
	F24BX/830	DULUX L 24W/830	PL-L 24W/830/4P	Lynx L 24W/830
	F24BX/835	DULUX L 24W/835	PL-L 24W/835/4P	—
	F24BX/840	DULUX L 24W/840	PL-L 24W/840/4P	Lynx L 24W/840
34W	F34BX/830	—	—	—
	F34BX/835	—	—	—
	F34BX/840	—	—	—
36W	F36BX/827	DULUX L 36W/827	—	Lynx L 36W/827
	F36BX/830	DULUX L 36W/830	PL-L 36W/830/4P	Lynx L 36W/830
	F36BX/835	DULUX L 36W/835	—	—
	F36BX/840	DULUX L 36W/840	PL-L 36W/840/4P	Lynx L 36W/840
40W	F36BX/865	DULUX L 36W/865	PL-L 36W/865/4P	Lynx L 36W/865
	F40BX/830	DULUX L 40W/830	PL-L 40W/830/4P	Lynx LE 40W/830
	F40BX/835	DULUX L 40W/835	PL-L 40W/835/4P	Lynx LE 40W/835
	F40BX/840	DULUX L 40W/840	PL-L 40W/840/4P	Lynx LE 40W/840
55W	F40BX/840	DULUX L 40W/840	PL-L 40W/840/4P	Lynx LE 40W/840
	F55BX/830	DULUX L 55W/830	PL-L 55W/830/4P	Lynx LE 55W/830
	F55BX/835	DULUX L 55W/835	PL-L 55W/835/4P	Lynx LE 55W/835
	F55BX/840	DULUX L 55W/840	PL-L 55W/840/4P	Lynx LE 55W/840
	F55BX/854	DULUX L 55W/865	PL-L 55W/865/4P	Lynx LE 55W/865

GE / Tungstram		Osram	Philips	Sylvania
Biax™ 2D 2-pin		Colour Temperature	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
	F162D/T4/835/2P GE HB 1/10 WM	3500	CFL Square 16W/835	PLQ 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		Colour Temperature	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
	F162D/T4/835/4P GE HB 1/10 WM	3500	CFL Square 16W/835	PLQ 16W/835/4P
21W	F212D/T4/827/4P GE HB 1/10 WM	2700	—	—
	F212D/T4/835/4P GE HB 1/10 WM	3500	—	—
28W	F212D/T4/860/4P GE HB 1/10 WM	6000	—	—
	F282D/T5/827/4P GE HB 1/10 WM	2700	CFL Square 28W/827	PLQ 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
38W	F282D/T5/840/4P GE HB 1/10 WM	4000	—	PLQ 28W/840/4P
	F382D/T5/827/4P GE HB 1/10 WM	2700	CFL Square 38W/827	PLQ 38W/827/4P
	F382D/T5/835/4P GE HB 1/10 WM	3500	—	PLQ 38W/835/4P
55W	F382D/T5/860/4P LEG HB 1/10 WM	6000	—	—
	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	—	—



# 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, they 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.



#### 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

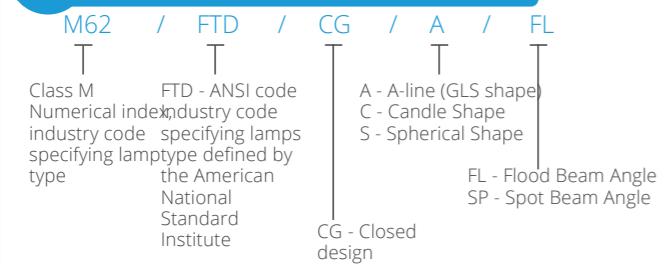
#### Decor

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU 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
<b>Precise™ Bright 5000 MR16</b>																	
1	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	93107761	205	450	36	2900	5 000	50.7	50.5	20.9	C	10	closed
1	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	93108317	370	1 300	36	2900	5 000	50.7	46	35.0	C	10	closed
1	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	93107762	675	4 750	18	2900	5 000	50.7	50.5	53.9	C	10	closed
2	50	12	GU5.3	M258/EXN/CG	88239	93107764	680	2 100	36	2900	5 000	50.7	50.5	53.9	C	10	closed
2	50	12	GU5.3	M280/FNV/CG	88238	93107763	750	950	60	2900	5 000	50.7	50.5	53.9	B	10	closed
1	50	12	GU5.3	M80/FNV	88232	-	770	1 070	60	2900	5 000	50.7	46	53.9	B	10	open

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Mains Voltage Capsule G9</b>														
3	20	230	G9	SHORTG9 20W CL 230V	98415	93012932	235	2800	1 000	13	43	21.4	D	10
3	20	240	G9	SHORTG9 20W CL 240V	98441	-	235	2800	1 000	13	43	21.2	D	10
3	30	240	G9	SHORTG9 30W CL 230V	93039930	-	405	2800	2 000	13	43	34	D	10
3	30	230	G9	SHORTG9 30W CL 240V	93025905	-	405	2800	2 000	13	43	34	D	10
3	42	230	G9	SHORTG9 42W CL 230V	64126	93012934	630	2800	2 000	13	43	43	D	10
<b>Low Voltage Capsule - Transversal Filament</b>														
4	5	12	G4	M9/H5 G4	42959	-	60	2800	2 000	9	33	5.4	B	20
4	10	12	G4	M11/H10 G4	34674	509501	140	2800	2 000	9	33	10.8	C	20
4	20	12	G4	M35/Q20 G4	93010624	-	400	3200	250	9	33	20.9	B	20
4	35	12	GY6.35	M95/Q35/GY6.35	34708	-	550	2900	3 000	11	44	38.1	C	20
4	50	12	GY6.35	M32/Q50 GY6.35	34702	509444	930	2900	4 000	11	44	55.9	C	20

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Low Voltage Capsule - Axial Filament</b>														
5	20	12	G4	M47/Q20 G4	93010692	93010602	380	2900	2 000	9	33	22.7	C	20
5	20	12	G4	Q20T2,5/12V G4	93010683	-	320	2900	2 000	9	33	5.4	B	20
5	50	12	GY6.35	Q50T3/12V GY6.35	35700	-	900	2900	2 000	11	44	55.9	C	20

**Product Description - explanation**  
For further information check the glossary



Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
<b>Linear 78mm</b>														
100	230	R7s	K12 C100W 230V R7S 78MM	63519	-	1 800	2900	1 000	8	80.1	104.2	D	10	6
<b>Linear 117mm</b>														
330	230	R7s	K1 C330W 230V R7S 117MM	64967	524901	7 000	3000	2 000	10	119	349.5	D	10	6
200	230	R7s	K9 C200W 230V R7S 117MM	64968	93107758	4 000	3000	2 000	8	119	210.6	D	10	6
330	240	R7s	K1 C330W 240V R7S 117MM	64970	93107759	7 000	3000	2 000	8	119	351.1	D	10	6
200	240	R7s	K9 C200W 240V R7S 117MM	64971	93107760	4 000	3000	2 000	8	119	212.7	D	10	6
130	240	R7s	K11 C130W 240V R7S 117MM	64974	524919	2 440	2900	2 000	8.8	119	138	D	10	6

Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
<b>Linear - High Watt</b>														
1000	230	R7s	K4 1000W 230V R7S 189MM BX	29180	-	21 000	3000	2 000	10	190.5	1008	D	4	6
1000	240	R7s	K4 1000W 240V R7S 189MM BX	29181	509472	21 000	3000	2 000	10	190.5	1018.9	D	4	6
1000	230	R7s	K10 1000W 230V R7S 254MM BX	43711	-	21 000	3000	2 000	6	254	980.1	D	5	6
1000	240	R7s	K10 1000W 240V R7S 254MM BX	43712	-	21 000	3000	2 000	6	189	1050	D	5	6
1500	240	R7s	K5 1500W 240V R7S 254MM BX	29187	-	32 000	3000	2 000	10	255.5	1504.1	D	4	6

Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
<b>HaloGLS Banned in the EU from Sept/2018 - remaining stock available</b>														
30	230	E27	30W HALO A CL E27 230V	98362	-	405	2800	2 000	50	89.5	31.7	D	4	8
42	230	E27	42W HALO A CL E27 230V	63613	-	630	2800	2 000	50	89.5	43.1	D	4	8
42	240	E27	42W HALO A CL E27 240V	79422	-	630	2800	2 000	50	89.5	43.7	D	6	8
42	230	B22	42W HALO A CL B22 230V	63615	-	630	2800	2 000	50	89.5	43.1	D	4	7
53	230	E27	53W HALO A CL E27 230V	63959	-	850	2900	2 000	50	89.5	55	D	4	8
53	240	E27	53W HALO A CL E27 240V	63961	-	850	2900	2 000	50	89.5	56.4	D	6	8
70	230	E27	70W HALO A CL E27 230V	63612	-	1 200	2900	2 000	50	89.5	72.5	D	10	8
100	230	E27	100W HALO A CL E27 230V	97246	-	1 800	2900	2 000	50	89.5	102.6	D	10	8
100	240	E27	100W HALO A CL E27 240V	97243	-	1 800	2900	2 000	50	89.5	102.1	D	8	8
100	230	B22	100W HALO A CL B22 230V	97247	-	1 800	2800	2 000	50	89.5	102.6	D	10	7

Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
<b>HaloCandle Banned in the EU from Sept/2018 - remaining stock available</b>														
20	230	E14	20W HALO C CL E14 230V	98402	-	235	2900	2 000	36	100	21.5	D	10	9
30	230	E14	30W HALO C CL E14 230V	98398	-	405	2900	2 000	36	100	31.7	D	10	9
42	230	E14	42W HALO C CL E14 230V	76575	-	630	2900	2 000	36	100	43.1	D	10	9
30	230	E27	30W HALO C CL E27 230V	98396	-	405	2900	2 000	36	100	31.7	D	10	10
42	230	E27	42W HALO C CL E27 230V	76573	-	630	2900	2 000	36	100	43.1	D	10	10
20	240	E14	20W HALO C CL E14 240V	98399	-	235	2900	2 000	36	100	21.2	D	12	9
42	240	E14	42W HALO C CL E14 240V	76569	-	630	2900	2 000	36	100	43.7	D	12	9
20	240	B22	20W HALO C CL B22 240V	98400	-	235	2900	2 000	36	100	21.2	D	12	11

Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
<b>HaloSpherical Banned in the EU from Sept/2018 - remaining stock available</b>														
42	230	E14	42W HALO S CL E14 230V	76553	-	630	2900	2 000	45	78	43.1	D	10	12
20	240	E14	20W HALO S CL E14 240V	98385	-	235	2900	2 000	45	78	21.2	D	12	12
30	240	E27	30W HALO S CL E27 240V	98377	-	405	2900	2 000	45	78	31.6	D	12	13
30	240	B22	30W HALO S CL B22 240V	98379	-	405	2900	2 000	45	78	31.6	D	12	14



# Incandescent Lamps



## 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.







**Standard**

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

GLS



**R39**

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



**R50, R63, R80**

Cap: E27  
Wattages: 25W, 40W, 60W, 75W, 100W  
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

Spherical



**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



**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



**Appliance**

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

Pygmy

# Incandescent Lamps

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Standard GLS - Clear</b>													
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	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	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
<b>Standard GLS - Frosted</b>													
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
<b>Spherical - Clear</b>													
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
<b>Spherical - Frosted</b>													
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
<b>Spherical Oven - Clear</b>													
5	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

\* Not CE compliant product

## Product Description - explanation

For further information check the glossary

15 / A1 / FR / E27

Identifies lamp wattage

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

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

Identifies the cap type



Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Colour	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
<b>Coloured Spherical</b>													
15	230	E27	15D1/R/E27	90531*	-	Red	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
<b>Candle - Clear</b>													
25	240	E14	25C1/CL/E14	84763*	-	210	1 000	35	97	25	E	1/10/50	7
40	240	E14	40C1/CL/E14	84770*	-	400	1 000	35	97	40	E	1/10/50	7
60	240	E14	60C1/CL/E14	84772*	-	660	1 000	35	97	60	E	1/10/50	7
40	240	E27	40C1/CL/E27	84781*	-	400	1 000	35	93	40	E	1/10/100	7
60	240	E27	60C1/CL/E27	84782*	-	660	1 000	35	93	60	E	1/10/100	7
<b>Candle - Frosted</b>													
25	240	E14	25C1/FR/E14	91680*	-	210	1 000	35	97	25	E	1/10/50	8
40	230	E14	40C1/SL/E14	84765*	-	360	1 000	35	97	40	E	1/10/50	8
40	240	E14	40C1/FR/E14	84805*	-	400	1 000	35	97	40	E	1/10/50	8
60	240	E14	60C1/FR/E14	84806*	-	660	1 000	35	97	60	E	1/10/50	8
60	240	E27	60C1/FR/E27	84789*	-	660	1 000	35	93	60	E	1/10/100	8

\* Not CE compliant product



Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Candela (cd)	Beam Angle (°)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Reflector - R39</b>														
1	30	230	E14	30R39/E14	84804*	-	80	65	1 000	39	64.5	30.5	E	1/10/100
1	30	240	E14	30R39/E14	84812*	-	80	65	1 000	39	64.5	30.5	E	1/10/100
<b>Reflector - R50</b>														
1	25	230	E14	25R50/E14	84814*	-	200	35	1 000	50	86	25	E	1/10/50
1	40	230	E14	40R50/E14	84773*	-	300	35	1 000	50	86	40.3	E	1/10/50
1	60	230	E14	60R50/E14	84802*	-	600	35	1 000	50	86	60.2	E	1/10/50
<b>Reflector - R63</b>														
2	40	230	E27	40R63/E27	84799*	-	250	35	1 000	63.5	100	40.3	E	1/10/40
2	60	230	E27	60R63/E27	84767*	-	410	35	1 000	63.5	100	60.2	E	1/10/40
2	60	230	E27	60R63/E27	84800*	-	410	35	1 000	63.5	100	60.2	E	1/10/40
<b>Reflector - R80</b>														
2	60	230	E27	60R80S/E27	92839*	-	450	35	1 000	80	109.5	60.7	E	1/10
2	75	230	E27	75R80S/E27	84817*	-	600	35	1 000	80	109.5	75	E	1/10
2	100	230	E27	100R80S/E27	92860*	-	800	35	1 000	80	109.5	100	E	1/10

Model	Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Colour	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
<b>Coloured Reflector - R50</b>													
3	40	230	E14	40R50/R/E14	91386	-	Red	1 000	50	86	39.2	N/A	1/25
3	40	230	E14	40R50/Y/E14	91388	-	Yellow	1 000	50	86	39.2	N/A	1/25
3	40	230	E14	40R50/G/E14	91389	-	Green	1 000	50	86	39.2	N/A	1/25
3	40	230	E14	40R50/B/E14	91387	-	Blue	1 000	50	86	39.2	N/A	1/25
<b>Coloured Reflector - R63</b>													
4	40	230	E27	40R63/R/E27	91532	-	Red	1 000	63.5	100	39.4	N/A	1/25
4	40	230	E27	40R63/Y/E27	91531	-	Yellow	1 000	63.5	100	39.4	N/A	1/25
4	40	230	E27	40R63/B/E27	91530	-	Blue	1 000	63.5	100	39.4	N/A	1/25
<b>Coloured Reflector - R80</b>													
4	60	230	E27	60R80/Y/E27	91527*	-	Yellow	1 000	80	109.5	57.3	N/A	1/40

\* Not CE compliant product



1 2 3 4

Wattage (W)	Volts (V)	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
<b>Infrared Reflector Hard Glass - Clear</b>													
150	230-240	E27	150R/IR/CL/E27	28720	509699	-	5 000	125	173	-	-	1/9	5
250	230-240	E27	250R/IR/CL/E27	28724	509702	-	5 000	125	173	-	-	1/9	5
275	230-240	E27	275R/IR/CL/E27	32569	93112533	-	5 000	125	173	-	-	1/9	5
<b>Infrared Reflector Hard Glass - Red front</b>													
100	230	E27	100R95/IR/R/E27	92365*	-	-	6 000	95	129	-	-	1/32	6
150	240	E27	150R/IR/R/E27	91372	509701	-	5 000	125	173	-	-	1/10	6
250	240	E27	250R/IR/R/E27	91391	509715	-	5 000	125	173	-	-	1/10	6
<b>Infrared Reflector Hard Glass - Satin</b>													
150	240	E27	150/IR/F/E27	91288	509700	-	5 000	125	173	-	-	1/10	6
250	240	E27	250R/IR/F/E27	91390	509714	-	5 000	125	173	-	-	1/10	6
<b>Pygmy Freezer - Clear</b>													
15	230	E14	15P1/CL/E14	12512	93112527	85	1 000	28	60	15.6	E	1/10/50	6
15	240	E14	15P1/CL/E14	84811	509705	85	1 000	25	55	-	E	1/10/50	6
15	240	E14	15P1/CL/E14	91950	509706	85	1 000	25	55	15.3	E	1/10/50	6
25	230	E14	25P1/CL/E14	84807	509709	190	1 000	28	60	24.8	E	1/10/50	6
<b>Pygmy Oven - Clear</b>													
15	230-240	E14	15P1/RS/CL/E14	84790	93112544	85	1 000	22.5	48	15.1	E	300	7
25	230	E14	25P1/OVEN25/CL/E14	43381	93112526	160	1 000	25	55	23.6	E	1/50	7
25	230-240	E14	25P1/OVEN/T25/CL	43381	93112535	160	1 000	25	55	23.6	E	250	7
<b>Pygmy Sewing machine</b>													
15	240	B15	15P1/CL/SBC 200/250V 28 SEWM	31831	509707	85	1 000	28	60	-	E	1/50	7
25	240	E14	25P1/CL/SES 200/250V 28 SEWM	31851	510500	80	1 000	28	60	-	E	1/50	7

\* Not CE compliant product



5 6 7

# 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



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 Re-strike**

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



**PAR**

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

Film and Broadcast

Club and Disco



**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



**CSS/CSI/CID**

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

Theatre

Projection and photography



**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

Model	Wattage (W)	Volts	Cap	Product description	GE Product Code	TU 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
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Cinema Studio Biax™																	
1	55	-		F55BX/STUDIOBIAX32	41869	93110354	4 100	3200	-	-	8 000	55	-	U	A	-	10
1	55	-	2G11-4	F55BX/STUDIOBIAX56	41873	93110355	4 100	5600	-	-	8 000	55	-	U	A	-	10
1	55	-	PIN	F55BX/CINPLUS/32	41903	-	2 400	3200	-	-	2 000	55	-	U	B	-	10
1	55	-		F55BX/CINPLUS/55	41911	93110786	2 400	5600	-	-	2 000	55	-	U	B	-	10

Discharge Hot Restrike																	
2	125	80	GZX9.5	CSR125/SE/HR	48461	93106378	9 800	6000	-	-	200	75	15.Sep	U	A	-	10
3	200	70	GZY9.5	CSR200/SE/HR/UV-C	48462	93106379	17 500	6000	-	-	200	80	19	U	A	-	10
3	400	70	GZZ9.5	CSR400/SE/HR/UV-C	21853	93106221	32 000	6000	-	-	750	110	14	U	A	-	10
3	575	95	G22	CSR575/SE/HR/UV-C	69061	93110787	48 000	6000	-	-	750	145	31	U	A	-	10
3	800	95	G22	CSR800/SE/HR/UV-C	22495	93106222	64 000	5600	-	-	750	145	30	U	A	-	10
3	1200	100	G38	CSR1200/SE/HR/UV-C	27764	93106223	110 000	6000	-	-	750	200	42 +1 -1	U	A+	-	6
4	1600	150	G22	CSR1600/SE/HR/UV-C	65754	93106386	130 000	6000	-	-	500	175	40	U	A+	-	6
4	1800	150	G38	CSR 1800/SE/HR	77390	93106389	165 000	6000	-	-	750	200	42 +1 -1	U	A+	-	6
5	2500	115	G38	CSR 2500/SE/HR/UV-C	40482	93106225	220 000	6000	-	-	500	240	60 +1 -2	U	A	-	6
5	4000	200	G38	CSR4000/SE/HR/UV-C	27765	93106224	380 000	6000	-	-	500	260	75 +1 -2	U	A+	-	6
6	6000	130	G38	CSR 6000/SE/HR/UV-C	40492	93106376	540 000	6000	-	-	300	360	85 +1 -3	U	A+	-	6
6	9000	160	G38	CSR9000/SE/HR	65852	93106387	875 000	6000	-	-	400	360	85 +1 -3	U	A+	-	6
6	12 000	225	G38	CSR12000/SE/HR/UV-C	97272	93106397	1 150 000	6000	-	-	300	450	103 +1 -3	U	A+	-	4
7	18 000	225	30x70 Cyl 165mm	CSR18000/DE	48459	93106377	1 650 000	6000	-	-	500	500	73	HOR±15°	A+	-	4
6	18 000	225	G51	CSR18000/SE/HR	22496* / 93085427	93106417	1 650 000	6000	-	-	250	470	103 +1 -3	U	A+	-	1

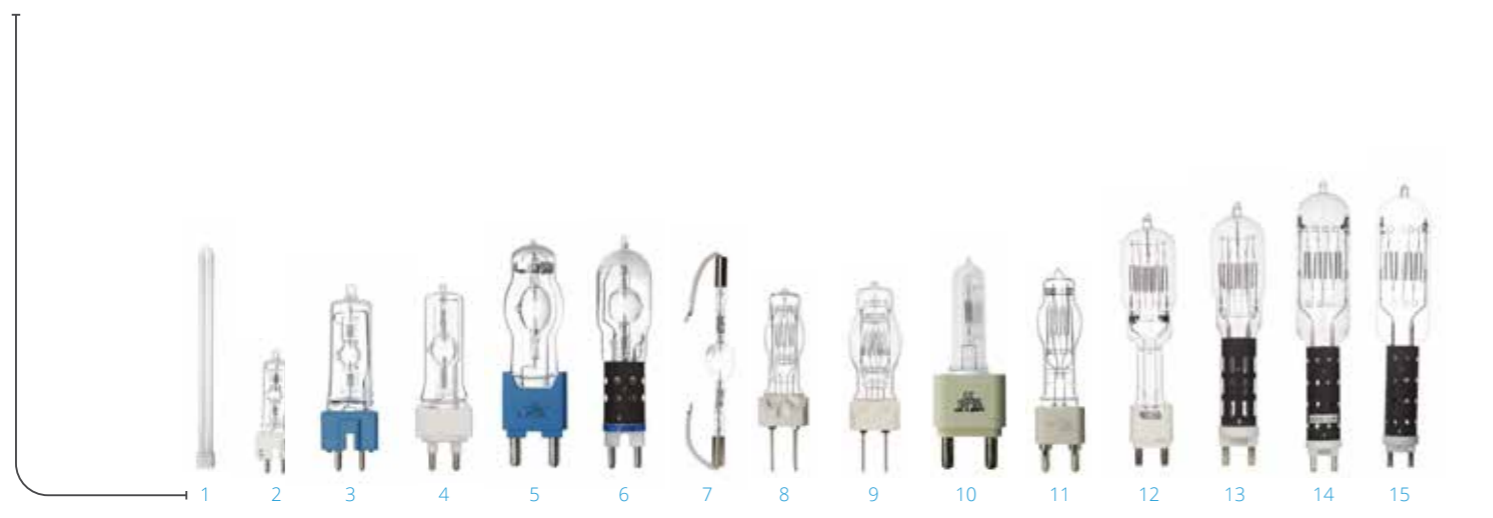
Single Ended Halogen (Lower wattages are shown in the Theatre section)																	
8	1250+650	230-240	GX38q	CP105 1250/650W 230-240V	88880	93106395	27 000+13 000	3050	CP105	-	250	220	-	BD45	D	1919.00	1
8	1250+1250	230-240	GX38q	CP30 230-240V	88877	93106393	27 000+27 000	3200	CP30	-	300	220	-	BD45	D	2518.00	1
9	1250+2500	230-240	GX38q	CP58 230-240V	88878	93106394	27 000+59 000	3200	CP58	-	300	220	-	BD45	C	3795.00	1
10	5000	240	G38	HX5000/240V	71379	93106388	133 000	3200	-	-	200	270	65	U	C	4652.57	6
11	5000	230	G38	CP29 230V	88875	93106391	13 500	3200	CP29	-	375	279	-	BDTH	C	5040.00	12
10	5000	240	G38	CP29 240V	88876	93106392	13 000	3200	CP29	-	375	279	-	BDTH	C	5040.00	12
12	10 000	220-230	G38	CP83 220-230V	12036	93106218	280 000	3200	CP83	-	500	405	-	BDTH	C	9965.00	1
12	10 000	240	G38	CP83 240V	12037	93106219	280 000	3200	CP83	-	500	405	-	BDTH	C	9777.33	1
14	12 000	230	GX38	Q12MT26/CL 230V	48771	93106380	400 000	3400	-	-	130	410	-	BD45	B	12600.37	1
13	12 000	240	GX38	Q12MT26/CL 240V	48779	93106383	400 000	3400	-	-	130	410	-	BD45	C	11659.73	1
14	20 000	240	GX38	Q20MT32/CL 240V	48774	93106381	580 000	3200	-	BCM	400	560	-	BD45	C	19727.93	1
15	24 000	240	GX38	Q24MT32/CL 240V	48777	93106382	800 000	3400	-	-	150	560	-	BD45	B	23778.40	1

Wattage (W)	Volts	Cap	Product description	GE Product Code	TU Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
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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	93106448	13 250	3200	P2/30	FDN	400	119	BDTH	C	543.56	12	16
625	230	R7s	TU P2/10 Q625T3/4CL 220/230V	19697	93106439	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	93106440	16 900	3200	P2/10	-	300	189	HOR±15°	C	621.29	12	16
650	120	R7s	FAD Q650T4/CL P2/6	30325	93106453	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 EJM Q750T3/4CL	23756	93106449	20 600	3200	-	EJM	400	119	HOR±15°	C	815.07	12	18
800	240	R7s	DX 800-T4-4CL 240V	36953	93106455	21 400	3200	P2/13	DX	75	80	U	C	788.20	24	17
800	240	R7s	TU P2/11 EME Q800T3/4CL 240V	23760	93106450	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	TU FHM Q1000T3/4	23792	-	27 300	3200	P2/29	FHM	400	119	U	C	1083.85	12	16
1000	230	R7s	TU P2/7 EKM Q1MT3/4CL 220/230V	20249	93106441	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	93106442	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	93106451	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	93106438	35 000	3200	P2/12	-	300	189	HOR±15°	C	1281.60	12	16
2000	230	R7s	P2/27 FEX 230V	88482	93106514	50 000	3200	P2/27	FEX	300	143	HOR±15°	C	1965.54	12	22
2000	240	R7s	P2/27 FEX 240V	88481	93106515	50 000	3200	P2/27	FEX	300	143	HOR±15°	C	1975.92	12	22

Single Ended Halogen - HPL (19 mm diameter)																
575	115		HPL 575-X LL-C 115V	88435	93106471	12 360	3050	-	-	2 000	106	U	D	622.46	12	23
575	120		HPL 575-C 120V	88436	93106472	16 520	3250	-	-	300	106	U	C	594.55	12	23
575	115		HPL 575-C 115V	88438	93106474	16 520	3250	-	-	300	106	U	C	617.98	12	23
575	240		HPL 575W LL 240V	88475	93106510	11 780	3050	-	-	1 500	106	U	D	591.13	12	23
575	230		HPL 575W LL 230V	88476	93106511	11 780	3050	-	-	1 500	106	U	D	594.48	12	23
575	240		HPL 575W 240V	88477	93106512	14 900	3200	-	-	300	106	U	D	597.77	12	23
575	230		HPL 575W 230V	88478	93106513	14 900	3200	-	-	300	106	U	C	599.98	12	23
750	115		HPL 750W-XLL-C 115V	88428	93106465	16 400	3050	-	-	2 000	106	U	D	808.07	12	24
750	240		HPL 750W LL 240V	88429	93106466	15 600	3050	-	-	1 500	106	U	D	759.59	12	24
750	230		HPL 750W LL 230V	88430	93106467	15 600	3050	-	-	1 500	106	U	D	771.10	12	24
750	115		HPL 750-C 115V	88437	93106473	22 000	3250	-	-	300	106	U	C	819.39	12	24
750	240		HPL 750W 240V	88473	93106508	19 750	3200	-	-	300	106	U	C	773.78	12	24
750	230		HPL 750W 230V	88474	93106509	19 750	3200	-	-	300	106	U	C	776.97	12	24

\* Will be phased out



Model	Wattage (W)	Volts	Cap	Product description	GE Product Code	TU Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Outer qty
<b>Single Ended Halogen</b>															
1	300	230	GY9.5	CP81 FSL 230V	88433	93106470	6 900	3200	CP81	FSL	150	90	BDTH	C	24
1	300	120	GY9.5	CP81 FKW 120V	88443	93106478	6 900	3200	CP81	FKW	50	90	BDTH	D	24
1	300	240	GY9.5	CP81 FSK 240V	88444	93106479	6 900	3200	CP81	FSK	150	90	BDTH	D	24
2	500	230-240	P28s	T28 230-240V	88451	93106486	11 000	3000	T28	-	300	130	BDTH	C	12
3	500	240	GY9.5	CP82 FRJ 240V	88464	93106499	12 500	3200	CP82	FRJ	150	90	BDTH	C	24
3	500	230-240	GY9.5	T18 GCW 230- 240V	88465	93106500	11 000	3050	T18	GCW	400	90	BDTH	C	24
3	500	230	GY9.5	CP82 FRH 230V	88466	93106501	12 500	3200	CP82	FRH	150	90	BDTH	C	24
3	500	120	GY9.5	CP82 FRG 120V	88467	93106502	13 000	3200	CP82	FRG	150	90	BDTH	C	24
3	500	230-240	GY9.5	T25 230-240V	88470	93106505	11 000	3000	T25	GCW	360	90	BDTH	C	24
2	500	230-240	P28s	T17 FKF 230- 240V	88498	93106522	9 500	2950	T17	-	750	130	BDTH	D	12
5	500	120	P28s	BTM 120V	88546	93106539	13 000	3200	-	BTM	150	130	BDTH	C	12
6	500	120	G9.5	EHD 120V	88624	93106551	10 450	2950	-	EHD	2 000	101.6	U	D	24
7	575	115	G9.5	GLC 575W HP 115V	88423	93106463	14 500	3200	-	GLC	300	105	U	D	24
8	600	240	G9.5	GKV LL 240V 600W	88445	93106480	11 000	3000	-	GKV	1 500	105	U	D	24
8	600	230	G9.5	GKV LL 230V 600W	88446	93106481	11 000	3000	-	GKV	1 500	105	U	D	24
8	600	240	G9.5	GKV 600W 240V G9.5	88447	93106482	14 000	3200	-	GKV	250	105	U	C	24
8	600	230	G9.5	GKV 600W 230V G9.5	88448	93106483	14 000	3200	-	GKV	250	105	U	C	24
10	650	230	GX9.5	CP23 230V	72680	93106459	16 900	3200	CP23	-	100	110	BDTH	C	12
10	650	230-240	GX9.5	T12 230-240V	88431	93106468	13 500	3000	T12	-	750	110	BDTH	D	12
8	650	230-240	G9.5	FKR 230-240V	88450	93106485	15 000	3100	-	FKR	300	105	U	C	24
10	650	230-240	GX9.5	CP23 230-240V	88455	93106490	16 900	3200	CP23	-	100	110	BDTH	C	12
3	650	230-240	GY9.5	CP89 FRM 230- 240V	88461	93106496	16 250	3200	CP89	FRM	150	90	BDTH	C	24
3	650	120	GY9.5	CP89 FRK 120V	88462	93106497	16 900	3200	CP89	-	200	90	BDTH	C	24
3	650	230-240	GY9.5	T26 GCS 230- 240V	88463	93106498	15 500	3100	T26	GCS	400	90	BDTH	C	24
3	650	230-240	GY9.5	T27 230-240V	88469	93106504	14 500	3050	T27	GCS	400	90	BDTH	C	24
2	650	230-240	P28s	T13 FKB 230- 240V	88497	93106521	13 500	3000	T13	-	750	130	BDTH	D	12
11	650	230-240	G22	CP39 FKH 230- 240V	88531	93106534	16 900	3200	CP39	FKH	100	140	BDTH	C	12
6	750	120	P28s	BTN-Q750T7/CL/2P 120	88605	93106542	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	93106549	21 000	3200	-	EGR	200	127	BDTH	C	12
13	750	120	G9.5	EHG Q750/CL/TP 750W 120V	88626	93106553	16 500	3000	-	FLK	300	105	U	E	24
14	800	230-240	G9.5	GKV 800W 230-240V	88432	93106469	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



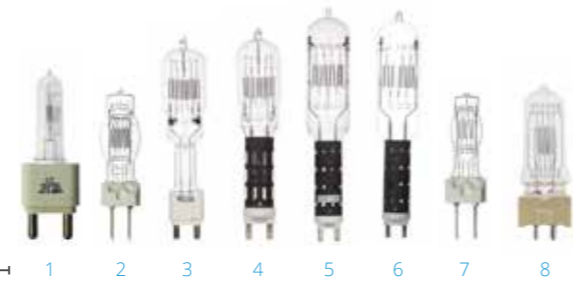
Model	Wattage (W)	Volts	Cap	Product description	GE Product Code	TU Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Outer qty	Model
<b>Single Ended Halogen</b>																
15	1000	120	G38	Q1000T7BP 120	88441	93106476	21 700	3200	-	-	750	200	BD	D	6	15
16	1000	230-240	G9.5	CP77 FEP 230- 240V	88449	93106484	25 000	3200	CP77	FEP	300	105	U	C	24	16
6	1000	230-240	GX9.5	T11 230-240V	88456	93106491	23 000	3050	T11	-	750	110	BDTH	C	12	6
10	1000	230-240	GX9.5	T19 FWR 230-240V	88457	93106492	21 000	3050	T19	FWR	750	110	BDTH	D	12	10
9	1000	230	G22	CP40 FKJ 230V	88458	93106493	26 000	3200	CP40	FKJ	200	140	BDTH	C	12	9
17	1000	230-240	GX9.5	CP24 230-240V	88459	93106494	26 000	3200	CP24	-	200	110	BDTH	C	12	17
10	1000	240	GX9.5	CP70 FVA 240V	88471	93106506	25 000	3200	CP70	FVB	200	110	BDTH	C	12	10
10	1000	230	GX9.5	CP70 FVA 230V	88472	93106507	25 000	3200	CP70	FVA	200	110	BDTH	C	12	10
12	1000	230-240	P28s	CP52 FKN 230-240V	88496	93106520	26 000	3200	CP52	FKN	200	121	BDTH	C	12	12
6	1000	115/120	GX9.5	T11 115-120V	88515	93106530	23 500	3050	T11	-	750	110	BDTH	D	24	6
12	1000	230-240	P28s	T14 FKD 230- 240V	88529	93106533	23 000	3050	T14	-	750	130	BDTH	C	12	12
9	1000	240	G22	CP40 FKJ 240V	88538	93106537	26 000	3200	CP40	FKJ	200	140	BDTH	C	12	9
6	1000	120	P28s	BTR-Q1000T7/4CL/2P120	88607	93106543	28 500	3200	-	BTR	250	121	BDTH	C	12	6
18	1000	120	P40s	BVT-Q1MT7/CL/MP 120V	88608	93106544	24 500	3050	-	BVT	500	184	BDTH	C	6	18
4	1000	120	G22	EGT-Q1000T7/4CL 120V	88622	93106550	28 500	3200	-	EGT	250	127	BDTH	C	12	4
14	1000	120	G9.5	FEL Q1000/4CL 120V	88625	93106552	27 500	3200	CP77	FEL	300	105	U	C	24	14
6	1000	120	P40s	BVW-Q1MT7/4CL/MP	88631	93106556	28 500	3200	-	BVW	200	184	BDTH	C	6	6
11	1200	80	G22	CP110 OC-1200 80V	88439	93106475	37 500	3300	-	-	300	140	BDTH	C	12	11
19	1200	230-240	GX9.5	CP90 230-240V	88453	93106488	33 000	3200	CP90	-	200	110	BDTH	C	12	19
19	1200	230-240	GX9.5	T29 FWT 230-240V	88454	93106489	29 000	3050	T29	FWT	400	110	BDTH	C	12	19
9	1200	230-240	G22	CP93 230-240V	88508	93106528	33 000	3200	CP93	-	200	140	BDTH	C	12	9
9	2000	240	G38	CP41 FKK 240V	88488	93106516	54 000	3200	CP41	FKK	400	216	BDTH	C	12	9
9	2000	230	G38	CP41 FKK 230V	88489	93106517	54 000	3200	CP41	FKK	400	216	BDTH	C	12	9
20	2000	230-240	GY16	CP79 230-240V	88503	93106524	54 000	3200	CP79	-	350	145	BDTH	C	12	20
21	2000	230-240	G22	CP92 230-240V	88506	93106526	52 000	3200	CP92	-	400	175	BDTH	C	12	21
21	2000	120	G22	CP92 120V	88507	93106527	55 000	3200	CP92	-	400	175	BDTH	C	12	21
22	2000	230-240	E40	CP59 230-240V	88512	93106529	16 500	3200	-	-	100	191	U	C	1	22
23	2000	230-240	P40s	CP53 230-240V	88532	93106535	54 000	3200	CP53	-	400	200	BDTH	C	12	23
20	2000	230-240	GY16	CP43 FTL 230-240V	88533	93106536	54 000	3200	CP43	FTL	400	145	BDTH	C	12	20
24	2000	120	G38	CYX-Q2000T10/4CL 120V	88610	93106545	59 000	3200	HX270	CYX	400	216	BDTH	C	6	24
20	2000	230	GY16	CP 43 FTM 230V BX1/12	96735	93106557	54 000	3200	CP43	FTM	400	145	BDTH	C	12	20
25	2500	230-240	G38	CP94 230-240V	88502	93106523	67 500	3200	CP94	-	400	210	BDTH	C	12	25
26	2500	230-240	G22	CP91 230-240V	88505	93106525	67 500	3200	CP91	-	400	175	BDTH	D	12	26
27	3000	230-240	G38	HX48 230-240V	88874	93106390	82 000	3200	HX48	-	400	210	BDTH	C	12	27







Model	Wattage (W)	Volts	Cap	Product description	GE Product Code	TU Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Outer qty
<b>Single Ended Halogen</b>															
1	5000	240	G38	HX5000 240V	71379	93106388	133 000	3200	-	-	200	270	U	C	6
2	5000	230	G38	CP29 230V	88875	93106391	13 500	3200	CP29	-	375	279	BDTH	C	12
1	5000	240	G38	CP29 240V	88876	93106392	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	93106218	280 000	3200	CP83	-	500	405	BDTH	C	1
3	10 000	240	G38	OT CP83 240V 10000W BX 1/1 MIJ	12037	93106219	280 000	3200	CP83	-	500	405	BDTH	C	1
4	12 000	230	GX38	Q12MT26/CL 230V	48771	93106380	400 000	3400	-	-	130	410	BD45	B	1
4	12 000	240	GX38	Q12MT26/CL 240V	48779	93106383	400 000	3400	-	-	130	410	BD45	C	1
5	20 000	240	GX38	BCM Q20MT32/4CL 240	48774	93106381	580 000	3200	-	BCM	400	560	BD45	C	1
6	24 000	240	GX38	Q24MT32/CL 240V	48777	93106382	800 000	3400	-	-	150	560	BD45	B	1
7	1250+1250	230-240	GX38q	CP30 230- 240V	88877	93106393	27 000 + 27 000	3200	CP30	-	300	220	BD45	D	1
7	1250+2500	230-240	GX38q	CP58 230-240V	88878	93106394	27 000 + 59 000	3200	CP58	-	300	220	BD45	C	1
7	1250+650	230-240	GX38q	CP105 1250/650W 230-240V	88880	93106395	27 000 + 13 000	3050	CP105	-	250	220	BD45	D	1
8	1000	230	GY9.5	GAB 230V 1000W	93082618	93106558	25 000	3200	-	GAB	250	88	BD	C	12
8	1000	240	GY9.5	GAD 240V 1000W	93082619	93106559	25 000	3200	-	GAD	250	88	BD	C	12



Wattage (W)	Volts	Cap	Product description	GE Product Code	TU Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer quantity	Model
<b>Discharge - Single Ended Cold Start</b>														
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*	93106220	48 000	7800	1 000	125	U	A	632.50	10	10
575	97	GX9.5	CSR575/2/SE	69064	93110788	46 000	7200	1 000	125	U	A	632.50	10	10
700	70	G22	CSR700/2/SE	49491	93106385	55 000	6500	1 000	155	U	A	770.00	10	11
1200	100	G22	CSR1200/2/SE	49490	93106384	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
1700	85	PG28	CSR1700/TAL/60/PGJX28	93104482	93108711	150 000	6000	750	123	U	-	-	-	-



Model	Wattage (W)	Volts	Product description	GE Product Code	TU 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	
<b>PAR 36</b>																			
1	30	12.8	4405 12.8V	24425*/93074744	93106400	-	-	Screw Term.	100	50 000	VNSP	6X5	-	69.8	114.3	Exempt		12	
2	30	6.4	4515 6.4V	24673*/93076721	93106411	-	-	Screw Term.	100	55 000	VNSP	5X5	-	69.8	114.3	E	31.58	12	
1	50	12	50PAR36/WFL 12V	16541*/93076720	93106410	-	-	Screw Term.	2 000	1 300	WFL	48X41	36x28	69.8	114.3	E	51.98	12	
1	50	28	4505 28.0V	24640**	-	-	-	Screw Term.	400	45 000	NSP	11X5	-	69.8	114.3	Exempt		12	
1	100	28	4594 28.0V	24891*/93074745	93106401	-	-	Screw Term.	300	70 000	NSP	13X7	-	69.8	114.3	Exempt		12	
1	150	28	4626 28.0V	24964**	-	-	-	Screw Term.	300	25 000	WFL	40X9	-	69.8	114.3	Exempt		12	
3	250	28	4596 28.0V	24898*/93074766	93106402	3000	-	Screw Term.	25	150 000	NSP	11X12	-	69.8	114.3	Exempt		12	
1	650	120	DWE Q650PAR36/1 120V	41667*/93076759	93106412	3200	DWE	Screw Term.	100	24 000	MFL	-	40X30	69.8	114.3	D	692.40	12	
1	650	120	FCX-Q650PAR36/7 120V	41673**	-	3200	FCX	Ferrule	100	24 000	MFL	-	40X30	69.8	114.3	D	692.40	12	
<b>PAR 46</b>																			
4	100	13	4537-2 13.0V	40822**	-	-	-	Screw Term.	25	200 000	SP	-	11X6	95.2	146	Exempt		12	
4	250	28	4553 28.0V	24799*/93078614	93106414	-	-	Screw Term.	25	300 000	SP	-	11X12	95.2	146	Exempt		12	
5	450	28	Q4681 28.0V	36271**	-	-	-	Screw Term.	50	310 000	SP	-	15X9	95.2	146	Exempt		12	
4	450	28	Q4554 28.0V	37706**	-	-	-	Screw Term.	100	65 000	WFL	-	50X11	95.2	146	Exempt		12	
<b>PAR 56</b>																			
6	300	240	300PAR56/NSP 240V	18676*/93076266	93106408	-	-	ExMogEndPr GX16d	2 000	40 000	NSP	-	-	127	177.8	E	285.58	12	
6	300	240	300PAR56/MFL 240V	18677*/93076244	93106406	-	-	ExMogEndPr GX16d	2 000	30 000	MFL	-	-	127	177.8	E	285.58	12	
6	300	240	300PAR56/WFL 240V	18678*/93076245	93106407	-	-	ExMogEndPr GX16d	2 000	10 000	WFL	-	-	127	177.8	E	285.58	12	
6	200	30	200PAR 30V	20122*/93078519	93106413	-	-	Screw Terminals	350	270 000	SP	-	9X9	127	177.8	Exempt		12	
6	300	120	300PAR56/MFL 120V	20836**	-	2750	-	Mog End Pr GX16d	2 000	24 000	MFL	23X11	34X19	127	177.8	E	318.70	12	
6	300	120	300PAR56/WFL 120V	20849**	-	2750	-	Mog End Pr GX16d	2 000	11 000	WFL	37X18	57X27	127	177.8	E	318.70	12	
6	300	230	300PAR56/MFL 230V	20852*/93076058	93106403	-	-	ExMogEndPr GX16d	2 000	30 000	MFL	-	-	127	177.8	E	293.19	12	
6	300	230	300PAR56/NSP 230V	20853*/93076059	93106404	-	-	ExMogEndPr GX16d	2 000	40 000	NSP	-	-	127	177.8	E	293.19	12	
6	300	230	300PAR56/WFL 230V	20854*/93076060	93106405	-	-	ExMogEndPr GX16d	2 000	10 000	WFL	-	-	127	177.8	E	293.19	12	
6	300	12	300PAR56/WFL 12V	23427*/93072766	93106399	-	-	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	93106398	-	-	Screw Terminals	1 000	13 000	WFL	-	-	127	177.8	C	309.42	12	

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



Model	Wattage (W)	Volts	Product description	GE Product Code	TU 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	
<b>PAR 64</b>																			
7	250	28	4552 28.0V	40576*/93078615	93106415	-	-	Screw Terminals	25	500 000	SP	-	7X8	152.4	203.2	Exempt		12	
8	500	230	500PAR64/WFL 230V	39414*/93076719	93106409	2700	-	ExMogEndPr GX16d	2 000	-	WFL	42X20	55X32	152.4	203.2	E	504.90	12	
8	500	230	CP86 - Q500PAR64/VNSP 230V	73581	93106666	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	93106679	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	93106680	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	93106681	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	93106682	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	93106683	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	93106416	-	-	Screw Terminals	100	765 000	SP	11x7.5	-	152.4	203.2	Exempt		12	
8	1000	230	SUPER CP60 EXC VNS 230V	88425	93106669	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	93106670	3200	-	ExMogEndPr GX16d	300	49 300	WFL	59X36	44X22	152.4	203.2	C	1006.14	6	
8	1000	230	EXG PAR64/1000W/230V/WFL	88480	93106671	3200	-	ExMogEndPr GX16d	300	49 300	WFL	59X36	44X22	152.4	203.2	C	995.78	6	
8	1000	240	CP95 240V	88510	93106672	3200	CP95	ExMogEndPr GX16d	300	15 000	WFL	125X95	70X70	152.4	203.2	C	999.82	6	
8	1000	230	SUPER CP61 EXD NS 230V	88535	93106674	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	93106675	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	93106676	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	93106677	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	93106678	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	

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\*\* Will be phased out

Model	Wattage (W)	Volts	Product description	GE Product Code	TU Product Code	CCT (K)	ANSI Code	Cap	Rated Life (h)	CCT (K)	Lumen (lm)	Beam type	Beam 10%	Beam 50%	Operating Position	MPBC	EEC	Energy Consumption (kWh)	Outer qty
<b>CSI / CID / CSS</b>																			
-	1000	80	CSI1000/PAR64/G38	88514	93106673	3200	CP62	G38	3 500	3800 ±500	76 000	-	18	6	U	1 350 000	C	1100.00	6
-	1000	80	CID1000/G22 99-0222	88493	93117337	3200	CP61	G22	5500 ±400	70 000	500	-	-	-	BDTH	-	A	1100.00	6
-	1000	80	CSI1000/G22 99-02	88494	93117338	3200	CP60	G22	4000 ±400	90 000	500	-	-	-	VBD ±90	-	A+	1100.00	6
-	1000	80	CSI1000/PAR64/HR/G38 99-1422	88513	93117339	3200	GFC	G38	3800 ±500	76 000	3 500	-	18	6	U	1 350 000	C	1288.85	6



Model	Wattage (W)	Volts	Cap	Product description	GE Product Code	TU Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Application	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty
<b>Projection, Printing, Photography</b>																	
1	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
2	250	24	G6.35	EJH A1/223 24V Q250/G-15	14874	-	9 000	3400	A1/223	EJH	50	-	57	BDTH	B	273.13	100
2	100	12	GY6.35-15	FCR A1/215 12V MIH	14876	-	-	5600	-	-	50	-	44	U	B	113.83	100
2	1200	100	GY22	CSR1200/SA	21849*	-	100000	5800	-	-	750	-	135	U	A	1320	6
-	1000	120	G38	MBI800/U SBL2 91-9830 CALMAT	88414	93117205	UV output only	-	-	-	400	-	175	U**	-	-	6
-	1000	120	G38	GRAPHX MBI 400-2000/U/ SB 91-9835 CALM	88411	93106667	UV output only	-	-	-	500	-	175	U**	-	-	6
2	300	230-240	G6.35	A1/249 230-240V	88491	93106518	7 200	-	A1/249	-	50	-	62	BDTH	C	300.35	50
2	150	230-240	G6.35	A1/248 230-240V	88492	93106519	3 000	-	A1/248	-	50	-	62	BDTH	D	152.55	50
3	500	230-240	GY9.5	A1/244 230-240V	88460	93106495	13 000	-	A1/244	-	75	-	62	BDTH	C	507.25	24
-	1000	110	Two right-angle lugs	A1/248 230-240V	88415	93117336	-	3000	-	-	400	-	110	U	-	-	6

\* Will be phased out  
\*\* universal, providing electrode axis remains horizontal

Model	Wattage (W)	Volts	Cap	Product description	GE Product Code	TU Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Application	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty
<b>Single Ended Tungsten Halogen</b>																	
5	300	120	GY9.5	M38 120V	78343*	-	5500	2900	M38	-	2000	-	80	BDTH	E	322.43	24
4	250	24	G6.35	M36 24V 250W GY6.35	88516	93106531	5 750	3000	M36	-	2 000	-	58	BDTH	C	270.07	100
5	300	230-240	GY9.5	M38 230-240V	88442	93106477	5 000	2900	M38	-	2 000	-	80	BDTH	E	297.52	24
6	500	230-240	GY9.5	M40 230-240V	88468	93106503	8 500	2900	M40	-	2 000	-	85	BDTH	E	495.25	24

\* Will be phased out



SKU	GE / Tungram	Osram	Philips
<b>Discharge - Single Ended Hot Restrike</b>			
48461	CSR125/SE/HR	HMI125W	MSR125/HR
93011465	CSR200/SE/HR/UV-C	HMI200W/SE	MSR200/HR
93011463	CSR800/SE/HR/UV-C	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	-

<b>Discharge - Single Ended Cold Start</b>			
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

<b>Discharge - CSR Turn and Lock (TAL)</b>			
78718	CSR700/TAL/PJX28	HTI 700W/75/P28	MSR 700/2 MiniFastFit

<b>Discharge - Double Ended Hot Restrike</b>			
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



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

Insect Control

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

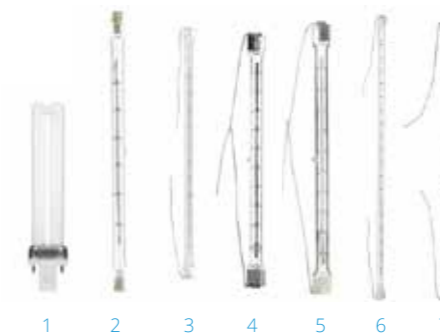
Industrial Heating

Wattage (W)	Volts	Cap	Product Description	GE Product Code	TU Product Code	CCT (K)	Rated life (h)	Length (mm)	Pack Qty	Model
<b>Quartz Heat</b>										
500	120	R7S	QH500T3/CL/7	21787	93106443	2400	5 000	220.5	12	2
1000	230-250	Slv	QH1000T3/CL	22357	93106444	2400	5 000	351	12	3
1200	144	Slv	QH1200T3/CL	22531	93106445	2450	5 000	223.8	12	4
1200	144	Slv	QH1200T3/CL/HT	22532	93106446	2450	5 000	223.8	12	5
1600	230-250	Slv	QH1600T3/CL	22688	93106447	2400	5 000	503	12	6
2000	230-250	Slv	QH2M/T3/CL/HT	22790	93110351	2450	5 000	350.8	12	7
2500	460-500	Slv	QH2500T3/CL	-	-	2400	5 000	731	12	6
2500	400	Special	QH2500MT3/CL/HT/R	28126	93110352	2450	5000	381.5	12	-
3000	400	Special	QH3MT3/CL/HT/R	28127	93110353	2450	5000	381.5	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 the lamp's product type



**Airfield**

Model	Wattage (W)	Volts	Cap	Product Description	GE Product Code	TU Product Code	Lumen (lm)	Rated life (h)	Length (mm)	Pack Qty
<b>Aircraft and airfield Lighting</b>										
-	65	-	Special	TU Q65T2 1/2/1CL MIH	32917	-	1500	1000	60	100
-	100	10	Special	1978X 10	38545	93106457	1634	2000	54.6	10
-	100	28	Special	1970X 28	41938	93106458	1700	1000	57.1	10
8	45	6.6A	Mycalex cap & Prefocus collar	AF6/2 6.6A 45W	88420	93106462	760	600	54	100
9	100	6.6A	Mycalex cap & Prefocus collar	AF 6/5T 6.6A 100W	88417	93106461	2 100	600	60	100
10	200	6.6A	Mycalex cap & Prefocus collar	AF7/2 6.6A 200W	88413	93106460	4 800	600	54	100
12	300	20A	Mog End Pr GX16d	Q20A/PAR56/C	15482*	-	NA	500	127	12
13	1000	120	G38 Mog BiPost	IM T20BP	88525	93106532	22 000	500	241	12

\*Will be phased out



**Discover Tungram portfolio**

From traditional technologies to state-of-the-art LED products, we incorporate energy optimization and system intelligence into our portfolio.



**LED INDOOR CATALOGUE**



**LED OUTDOOR CATALOGUE**



**AUTOMOTIVE CATALOGUE**



**LED AGRITECH CATALOGUE**



**TUNGSRAM ARCHIFM CATALOGUE**



**INFRATRAINER CATALOGUE**

# TUNGSRAM™

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