

Traditional lamps Product Catalogue

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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 Tungsram.

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 Tulox 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.



High Intensity Discharge Lamps

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 increasing important factor when lighting accounts for more than 20% of energy consumption around the world.

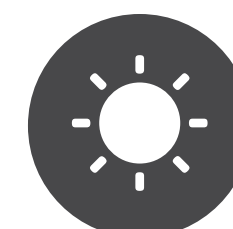


The CMH StreetWise™ Lamps especially designed for outdoor lighting offers the best of both worlds. Bright, white, 'natural' light and low costs for both running and maintenance. With CMH lighting, streets and other public spaces can feel safer for pedestrians. More than that, their "daylight" colour 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 CO₂ 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 000h
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

MVR Lamp Operates from CWA Control Gear



Linear

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



Tubular Clear

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



Internal Ignitor

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

Sportlight™ Metal Halide For sports and floodlighting



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

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



Kolorlux™ Mercury Standard*

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

* only direct shipment

Mercury Lamps



Tulox XO Superlife

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



Tulox Superlife

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



Tulox 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



Tulox Standard

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



Tulox Internal Ignitor

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

Tulox High Pressure Sodium



High Intensity Discharge Lamps

Model	Wattage (W)	Volts (V)	Cap	Product Description	Tungram 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
CMH Supermini															
1	20	95	GU6.5	CMH20/TC/UVC/830/GU6.5	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™	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	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	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	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	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	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™	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	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	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™	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	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	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™	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	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	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	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™	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	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	93095375	13 000	942	U	12 000	12 000	100	19	164.3	A	12

Wattage (W)	Volts (V)	Cap	Product Description	Tungram 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
CMH Double Ended															
35	90	RX7s	CMH35/TD/UVC/830/RX7s	93102197	3 400	830	HOR±45°	-	15 000	118	21	42	A	12	4
70	90	RX7s	CMH70/TD/UVC/830/RX7s	93102188	7 000	830	HOR±45°	-	15 000	118	21	80.8	A+	12	4
70	90	RX7s	CMH70/TD/UVC/942/RX7s	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	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	93102190	12 500	942	HOR±45°	-	15 000	135	27	155.3	A+	12	4

Wattage (W)	Volts (V)	Cap	Product Description	Tungsum 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
CMH MR16																
20	95	GX10	CMH20/MR16/UVC/830/GX10/SP	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	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	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™	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™	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™	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	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	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	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	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	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	93102229	2200	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	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	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	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	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	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	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	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	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

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

(70) Identifies Lamp's wattage

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

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

(G12): Identifies the cap type

(CMH) Product Family
CMH - ConstantColor™ CMH
ARC - Arc lamp
KRC - KRC lamp
MPR/MVR - MVR lamp
SPL - Sportlight™
LU - Tulox
H - Mercury
ML - Blended Light
BLS - Ballast

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

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

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High Intensity Discharge Lamps

Model	Wattage (W)	Volts (V)	Cap	Product De- scription	Tungsr am Product Code	Lumen (lm)	Beam Angle (°)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) (h)	Length (mm)	Diameter (mm)	Energy Con- sumption (kWh)	EEC	Pack Qty
ConstantColor™ - CMH PAR 30																
1	35	90	E27	CMH35/PAR30/UVC/830/E27/SP10	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	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	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	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	93104691	4 300	40	942	U	10 000	10 000	124	95.5	82.7	A	6

Model	Wattage (W)	Volts (V)	Cap	Product De- scription	Tungsr am Product Code	Lumen (lm)	Colour	Operating position	Rated life (Vertical) (h)	Rated life (Horizontal) h	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
ConstantColor™ - CMH Elliptical Clear, Open Rated															
2	150	95	E27	CMH150/UVC/O/U/942/E27/C	93102198	13 200	942	U	15 000	15 000	138	55	163.3	A	6
ConstantColor™ - CMH Elliptical Diffuse															
3	250	117	E40	CMH250/E/UVC/U/830/E40/D	93102160	23 500	830	U	24 000	24 000	227	90	289.4	A+	12
ConstantColor™ - CMH Tubular Clear StreetWise															
5	50	87	E27	CMH50/TT/UVC/U/730/E27 STREETWISE	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	93102211	7 640/7 100	730	HOR±15°/VBU	20 000	24 000	156	39	78.1	A+	12
5	100	100/95	E40	CMH100/TT/UVC/U/730/E40 STREETWISE	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	93102212	16 200	730	HOR±15°	-	24 000	211	48	165	A+	12
ConstantColor™ - CMH Tubular Clear															
6	150	95	E40	CMH150/UVC/T/U/842/E40	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	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	93102169	20 000	830	HOR	-	24 000	260	48	241.6	A	12
6	250	107	E40	CMH250/T/U/942/E40	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	93102166	41 000	830/836	U	20 000	20 000	278	60	454.2	A+	12



Wattage (W)	Volts (V)	Cap	Product Description	Tungsr am Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated life (Horizontal) (h) / Vertical (h)	Length (mm)	Diameter (mm)	Energy Con- sumption (kWh)	EEC	Pack Qty	Model
ARC Lamp Double Ended UVC ⚠															
70	95	RX7s	ARC70/UVC/TD/730/Rx7s	93102183	5 500	3000	75	HOR±45°	12 000 / -	114	19	82.5	A	12	7
70	95	RX7s	ARC70/UVC/TD/742/Rx7s	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	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	93102184	12 000	4200	75	HOR±45°	12 000 / -	132	25	165	A	12	7
ARC Lamp Double Ended ⚠ RG-3															
250	114	Fc2	ARC250/TD/832/Fc2	93102173	20 000	3200	75	HOR±45°	12 000 / -	163	25	275	A	12	8
250	115	Fc2	ARC250/TD/842/Fc2	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.															
ARC Lamp Double Ended Coloured UVC															
150	95	RX7S-24	ARC150/UVC/TD/GREEN/RX7S-24	93102163	-	Green	-	HOR±45°	6 000 / -	132	25	165	B	12	9
ARC Lamp Tubular Clear															
250	250	250	ARC250/T/H/960/E40**	93102178	19 000	6000	90	HOR±45°	12 000 / -	220	47	299.6	A	12	10
250	250	250	ARC250/T/VBU/960/E40**	93102179	19 000	6000	90	VBU±45°	- / 12 000	220	47	295.7	A	12	10
250	250	250	ARC250/T/H/742/E40**	93102194	21 000	4200	70	VBU±15°	- / 12000	220	47	294.9	A	12	10
400	400	400	ARC400/T/H/742/E40**	93102195	35 000	4200	70	HOR±15°	10 000 / -	260	47	444.2	A	12	10
ARC Lamp Elliptical Diffuse															
250**	100	E40	ARC250/D/VBU/960/E40	93102180	17 000	6000	90	VBU±45°	- / 12 000	227	90	294.8	A	12	11
MVR Lamp Elliptical Clear															
400	135	E40	MVR400/U/40**	93102218	40 000	4000	65	U	20 000 / 20 000	292	117	440	A+	6	12
1000	V250 H245	E40	MVR1000/U/40	93104704	108 000	4000	65	U	15 000 / 15000	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	Tungsrām 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
KRC Lamp Tubular Clear																
1	400	130	E40	KRC400/T/H/960/E40**	93102172	28 400	6000	90	HOR±45°	-	14 000	270	58	418.5	A	12
1	400	130	E40	KRC400/T/H/970 /E40	93102246	25 000	7500	90	HOR±45°	-	14 000	270	58	405	A	12
1	400	130	E40	KRC400/T/VBU/960/E40**	93102177	27 000	6000	90	VBU±45°	14 000	-	270	58	404.8	A	12
Sportlight™ Linear																
2	1500	250	RX7SM	SPL1500/L/H/652/Rx7SM	93102167	120 000	5200	65	HOR±15°	-	6 000	256	24	1672	A	1
3	2000	230	spec.	SPL2000/L/H/651/SPEC	93102168	200 000	5200	65	HOR±15°	-	6 000	311	26	2339.4	A	1
Sportlight™ Tubular Clear																
4	1000	120	E40	SPL1000/T/H/960/E40	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	93102187	189 000	4000	65	HOR±75°	-	2 000	430	102	2090	A+	4
4	2000	225	E40	SPL2000/380V/T/H/960/E40	93102175	170 000	6000	93	HOR±60°	-	5 000	430	102	2294.8	A	4
Sportlight™ Internal Ignitor																
5	2000	225	E40	SPL2000/380V/I/T/H/960/E40	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	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	Tungsrām Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Tulox XO Superlife Tubular Clear															
70	90	E27	LU 70/XO/SBY/T/E27	93102223	6 600	2000	25	U	50 000	156	39	83.1	A+	25	6
100	100	E40	LU 100/XO/SBY/T/E40	93102221	10 500	2000	25	U	60 000	211	48	110.3	A+	12	6
150	100	E40	LU 150/XO/SBY/T/E40	93102213	17 500	2000	25	U	60 000	211	48	168.9	A+	12	6
250	100	E40	LU 250/XO/SBY/T/E40	93102214	33 000	2000	25	U	55 000	260	48	288.7	A+	12	6
400	100	E40	LU 400/XO/SBY/T/E40	93102215	55 800	2000	25	U	55 000	283	48	450.6	A++	12	6
Tulox XO Superlife Elliptical Diffuse															
50	85	E27	LU50/85/XO/SBY/D/E27	93102244	3 500	2000	25	U	40 000	156	72	58.3	A	12	7
70	90	E27	LU70/XO/SBY/D/E27	93102222	6 000	2000	25	U	50 000	156	71	80.3	A	12	8
Tulox XO Tubular Clear															
50	85	E27	LU50/85/XO/T/27	93102234	4 400	2100	25	U	35 000	156	39	59.7	A	25	8
70	90	E27	LU70/90/XO/T/27	93102235	6 600	2100	25	U	40 000	156	39	80.5	A+	25	8
100	100	E40	LU100/100/XO/T/40	93102236	10 700	2100	25	U	40 000	211	48	111.9	A+	12	8
150	100	E40	LU150/150/XO/T/40	93102237	17 500	2100	25	U	45 000	211	48	168.3	A+	12	8
250	100	E40	LU250/XO/T/40	93102238	33 200	2100	25	U	45 000	260	48	285.8	A+	12	8
400	100	E40	LU400/XO/T/40	93102231	56 500	2100	25	U	45 000	292	48	448.4	A++	12	8
600	115	E40	LU600/XO/T/40	93102232	88 500	2100	25	U	32 000	292	48	667.3	A++	12	8
Tulox XO Elliptical Diffuse															
50	85	E27	LU50/85/XO/D/27	93102200	3 600	2100	25	U	35 000	156	72	58.4	A	12	9
70	90	E27	LU70/90/XO/D/27	93102201	6 000	2100	25	U	40 000	156	72	83.9	A	12	9
100	100	E40	LU100/100/XO/D/40	93102239	10 200	2100	25	U	40 000	186	76	112.2	A+	12	10
150	100	E40	LU150/100/XO/D/40	93102240	16 900	2100	25	U	45 000	227	91	170.2	A+	12	10
250	100	E40	LU250/XO/D/40	93102241	31 200	2100	25	U	45 000	227	91	285.7	A+	12	10
400	105	E40	LU400/XO/D/40	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	Tungram Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Tulox Standard Tubular Clear															
2	70	90	E27	LU 70/90/MO/T/E27	93102205	6 100	2000	25	U	28 000	156	39	78	A+	25
1	100	100	E40	LU100/100/MO/T/40	93102242	9 600	2000	25	U	28 000	211	48	107.6	A+	12
1	150**	100	E40	LU150/100/40	93102199	15 300	2000	25	U	28 000	211	48	163.8	A+	12
1	250**	100	E40	LU250/T/40	93102171	28 500	2000	25	U	28 000	260	48	276.8	A+	12
1	400**	100	E40	LU400/T/40	93102162	48 000	2000	25	U	28 000	278	48	431.9	A+	12
1	1000	250	E40	LU1000/40	93102216	130 000	2100	22	U	24 000	383	79	1100	A+	6
1	1000	110	E40	LU1000/110/T/40	93102202	130 000	2000	25	U	24 000	374	68	1067.1	A++	4
2	73	90	E27	LU70/90/HO/T/E27 MIC	93102250	6 500	2000	21	U	28 000	156	39	80,6	A+	25
1	100	100	E40	LU100/100/HO/T/E40 MIC	93102252	10 400	2000	21	U	28 000	211	48	110,44	A+	12
1	150	100	E40	LU150/100/HO/T/E40	93102249	17 500	2000	21	U	28 000	283	48	172,7	A+	12
1	250	100	E40	LU250/100/HO/T/E40 MIC	93102251	32 500	2000	21	U	28 000	260	48	291,93	A+	12
2	400	100	E40	LU400/HO/T/E40	93102248	56 200	2000	21	U	28 000	260	48	444,4	A++	12
Tulox Standard Elliptical Diffuse															
3	70	90	E27	LU70/90/MO/D/E27	93104669	5 750	2000	25	U	28 000	156	72	77.8	A	12
Tulox Internal Ignitor Elliptical Clear															
3	70	90	E27	LU 70/90/MO//E27	93102204	6 100	2000	25	U	17 500	156	72	79.4	A+	12
Tulox Internal Ignitor Elliptical Diffuse															
4	70	90	E27	LU70/90/MO/D//E27	93102203	5 750	2000	25	U	17 500	156	72	78.2	A	12
Mixed Light															
6	160	230-240	E27	OT ML 230-240V 160W E27 GE 1/24 MIC DS	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	93104684	5 500	3800	52	U	8 000	227	91	277.5	C	12

**Not CE compliant product



CMH

Brand cross reference

Tungsrām	Osram	Philips
ConstantColor™ CMH		
CMH20/TC/UVC/830/GU6.5	HCI-TF 20W/830 WDL PB GU6.5	CDM-Tm Mini GU6.5 20W/830
CMH35/T/UVC/930/GU6.5	HCI-TF 35/930 WDL PB GU6.5	-
CMH35/T/UVC/930/U/GU6.5 PRECISE™	-	CDM-Tm Elite Mini GU6.5 35W/930
CMH35/T/UVC/942/GU6.5	-	-
CMH20/TC/UVC/U/830/G8.5 PLUS	HCI-TC 20W/830 WDL PB G8.5	CDM-TC 20W/830 G8.5
CMH35/T/UVC/U/830/G8.5 PLUS	HCI-TC 35W/830 WDL PB G8.5	CDM-TC 35W/830 G8.5
CMH35/TC/UVC/U/930/G8.5 PRECISE™	HCI-TC 35/930 WDL PB Excellence G8.5	CDM-TC Elite 35W/930 G8.5
CMH70/TC/UVC/U/942/G8.5	HCI-TC 35W/942 NDŁ 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 NDŁ 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 NDŁ 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 NDŁ 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/NDŁ 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 NDŁ 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 NDŁ 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 NDŁ PB SP 10D	CDM-R 35W/942 E27 PAR30L10D
CMH35/PAR30/UVC/942/E27/FL25	HCI-PAR30 35W/942 NDŁ 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 NDŁ PB SP 10D	CDM-R 70W/942 E27 PAR30L10D

Tungsrām	Osram	Philips
ConstantColor™ CMH		
CMH70/PAR30/UVC/942/E27/FL40	HCI-PAR30 70W/942 NDŁ 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 NDŁ 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 NDŁ 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

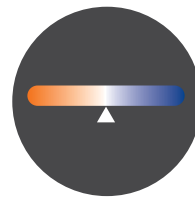
We also offer a choice of enhanced performance products in the form of our energy saving Watt-Miser™ Lamps and high rated life LongLast™ products.



LONG LIFE



REDUCED
MAINTENANCE COSTS



WIDE RANGE
OF COLOUR
TEMPERATURES



WattMiser™

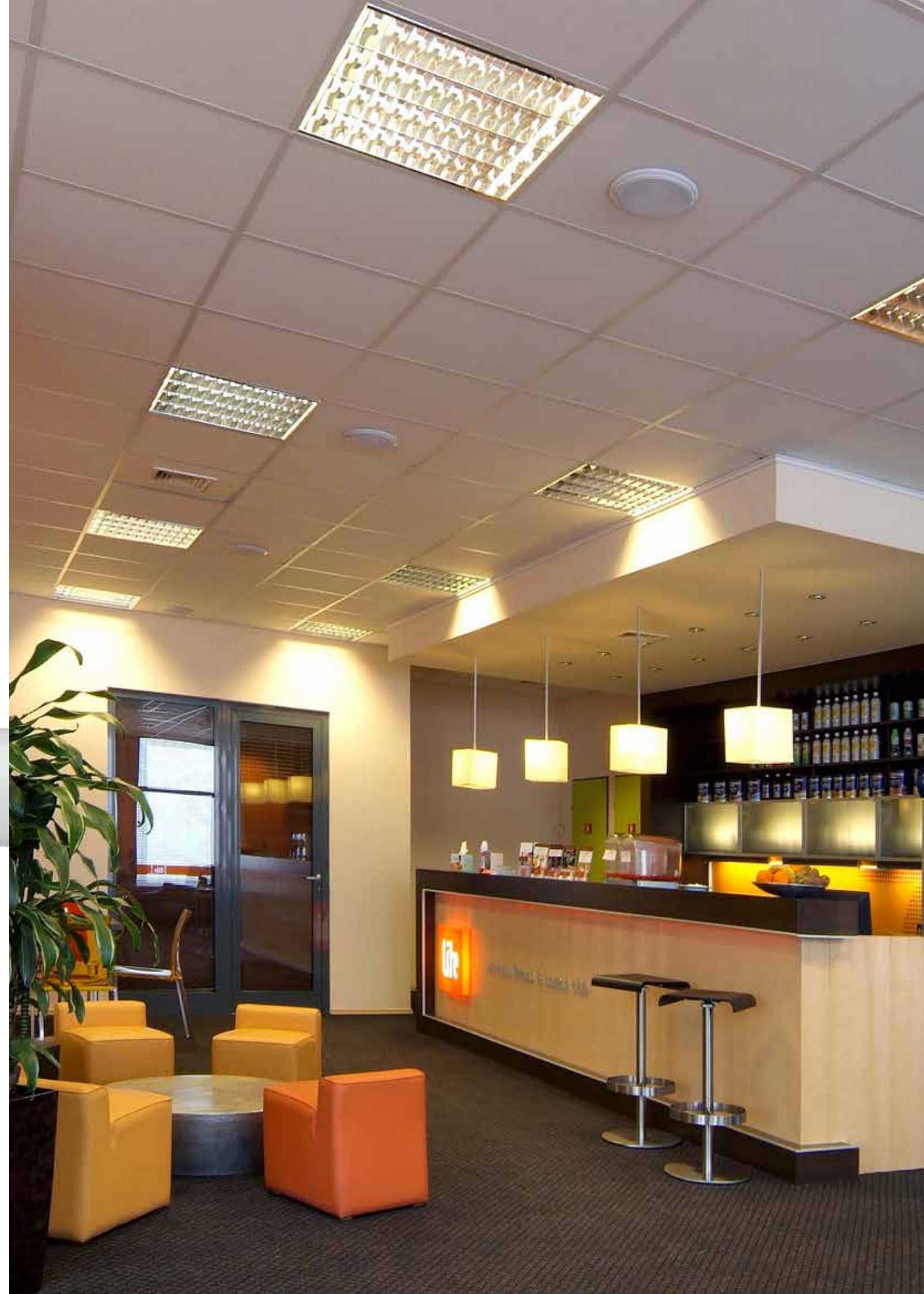
Watt-Miser™ Lamps

- 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



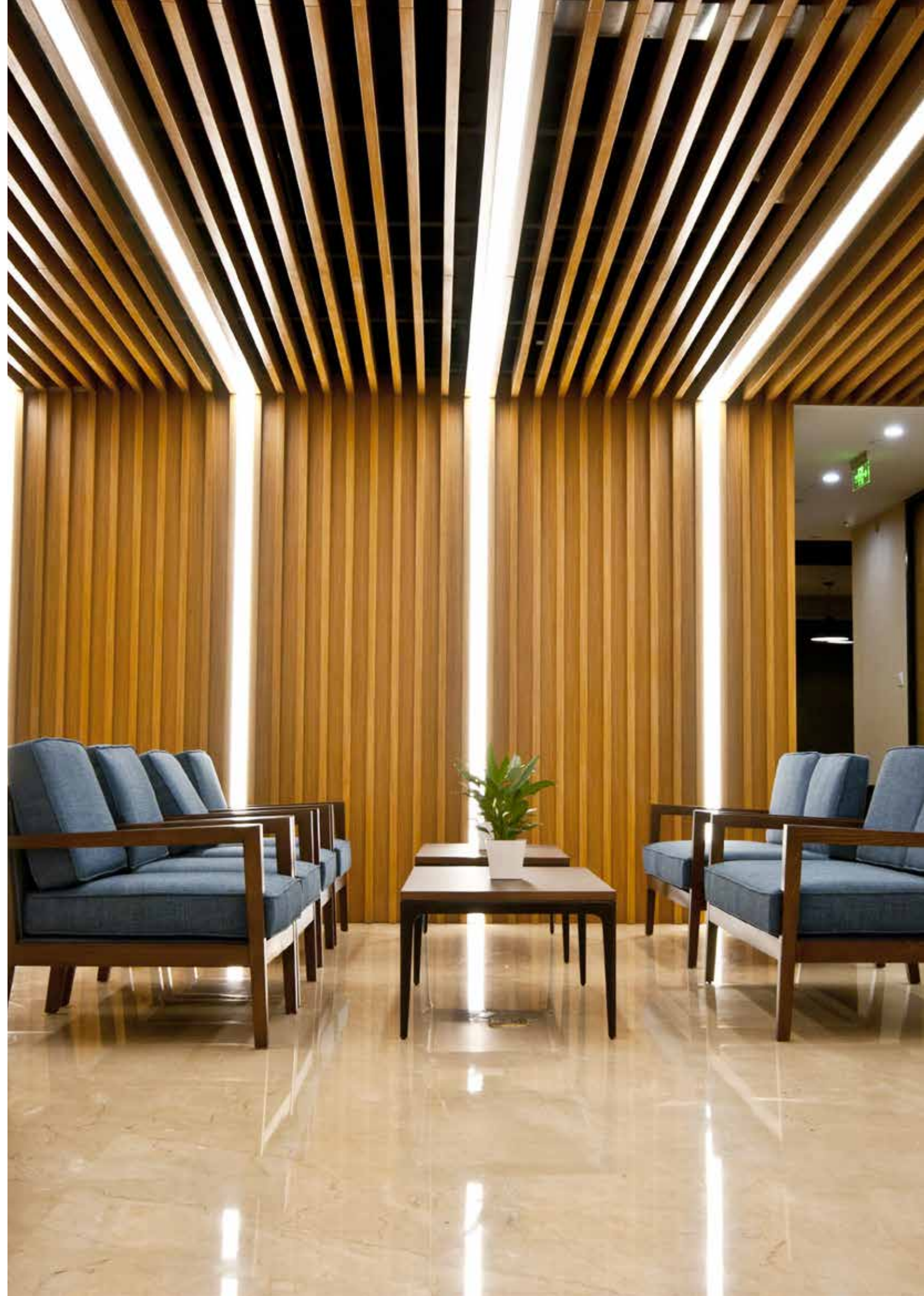
LongLast™
Polylux XLR™
 Wattages: 15 - 70W
 Colours: Extra Warm White to Daylight
 CRI (Ra): 80+
 Rated life: 15 000 h

T5 Tubes



Glow Starters
 For wattages: 4 - 125W

Starter



 Linear Fluorescent Lamps

Model	Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Tungram Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty
T5 LongLast™ - High Efficiency, G5 Cap													
1	14	549	16	F14W/T5/830/LL	93096154	1 350	Warm White	3000	85	30 000	15	A+	30
1	14	549	16	F14W/T8/830/LL/BULK	93108417	1 350	Warm White	3000	85	30 000	15	A+	40
1	14	549	16	F14W/T5/840/LL	93096155	1 350	Cool White	4000	85	30 000	15	A+	30
1	14	549	16	F14W/T8/840/LL/BULK	93108418	1 350	Cool White	4000	85	30 000	15	A+	40
1	14	549	16	F14W/T5/865/LL	93096196	1 250	Daylight	6500	85	30 000	15	A+	30
1	21	849	16	F21W/T5/830/LL	93096197	2 100	Warm White	3000	85	30 000	23	A+	30
1	21	849	16	F21W/T5/840/LL	93096198	2 100	Cool White	4000	85	30 000	23	A+	30
1	21	849	16	F21W/T8/840/LL/BULK	93108419	2 100	Cool White	4000	85	30 000	23	A+	40
1	21	849	16	F21W/T5/865/LL	93096199	1 950	Daylight	6500	85	30 000	23	A+	30
1	28	1 149	16	F28W/T5/830/LL	93096200	2 900	Warm White	3000	85	30 000	31	A+	30
1	28	1 149	16	F28W/T5/830/LL/BULK	93108420	2 900	Warm White	3000	85	30 000	31	A+	40
1	28	1 149	16	F28W/T5/840/LL	93096201	2 900	Cool White	4000	85	30 000	31	A+	30
1	28	1 149	16	F28W/T5/840/LL/BULK	93108421	2 900	Cool White	4000	85	30 000	31	A+	40
1	28	1 149	16	F28W/T5/865/LL	93096202	2 700	Daylight	6500	85	30 000	31	A+	30
1	35	1 449	16	F35W/T5/830/LL	93096203	3 650	Warm White	3000	85	30 000	38	A+	30
1	35	1 449	16	F35W/T5/840/LL	93096204	3 650	Cool White	4000	85	30 000	38	A+	30
1	35	1 449	16	F35W/T5/840/LL/BULK	93108422	3 650	Cool White	4000	85	30 000	38	A+	40
1	35	1 449	16	F35W/T5/865/LL	93096205	3 400	Daylight	6500	85	30 000	38	A+	30

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Tungram Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
24	549	16	F24W/T5/830/LL	93096206	2 000	Warm White	3000	85	30 000	25	A+	30	1
24	549	16	F24W/T5/840/LL	93096207	2 000	Cool White	4000	85	30 000	25	A+	30	1
24	549	16	F24W/T5/840/LL/BULK	93108423	2 000	Cool White	4000	85	30 000	25	A+	40	1
24	549	16	F24W/T5/865/LL	93096208	1 900	Daylight	6500	85	30 000	25	A	30	1
39	849	16	F39W/T5/830/LL	93096209	3 500	Warm White	3000	85	30 000	42	A+	30	1
39	849	16	F39W/T5/840/LL	93096210	3 500	Cool White	4000	85	30 000	42	A+	30	1
39	849	16	F39W/T5/840/LL/BULK	93108424	3 500	Cool White	4000	85	30 000	42	A+	40	1
49	1 449	16	F49W/T5/830/LL	93096214	4 900	Warm White	3000	85	30 000	54	A+	30	1
49	1 449	16	F49W/T5/835/LL	-	4 900	White	3500	85	30 000	54	A+	30	1
49	1 449	16	F49W/T5/840/LL	93096215	4 900	Cool White	4000	85	30 000	54	A+	30	1
49	1 449	16	F49W/T5/840/LL/BULK	93108426	4 900	Cool White	4000	85	30 000	54	A+	40	1
49	1 449	16	F49W/T5/865/LL	93096216	4 650	Daylight	6500	85	30 000	54	A+	30	1
54	1 149	16	F54W/T5/830/LL	93096211	5 000	Warm White	3000	85	30 000	59	A+	30	1
54	1 149	16	F54W/T5/840/LL	93096212	5 000	Cool White	4000	85	30 000	59	A+	30	1
54	1 149	16	F54W/T5/840/LL/BULK	93108425	5 000	Cool White	4000	85	30 000	59	A+	40	1
54	1 149	16	F54W/T5/865/LL	93096213	4 750	Daylight	6500	85	30 000	59	A+	30	1
80	1 449	16	F80W/T5/830/LL	93096217	7 000	Warm White	3000	85	30 000	89	A	30	1
80	1 449	16	F80W/T5/840/LL	93096218	7 000	Cool White	4000	85	30 000	89	A	30	1
80	1 449	16	F80W/T5/840/LL/BULK	93108427	7 000	Cool White	4000	85	30 000	89	A	40	1


Product Description - explanation
 For further information check the glossary

F

28W

/

T5

/

865

/

LL

Identifies lamp as fluorescent

Identifies lamp type

Identifies Lamp wattage

CCTcode
 827=Extra Warm White
 830=Warm White
 835=White
 840=Cool White
 865=Daylight

Identifies the lamp as LongLast™



1

 Linear Fluorescent Lamps

Model	Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Tungsram Product Code	Initial Lumen (at 25°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty
T5 Miniature - Triphosphor - Emergency Lighting, G5 Cap													
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
T5 Circline™ - 2Gx13 Cap													
2	22	230	16	FC22W/T5/830	93108430	1 900	Warm White	3000	82	12 000	25	A	10
2	22	230	16	FC22W/T5/840	93108435	1 900	Cool White	4000	82	12 000	25	A	10
2	40	305	16	FC40W/T5/830	93108431	3 300	Warm White	3000	82	12 000	45	A	10
2	40	305	16	FC40W/T5/840	93108432	3 300	Cool White	4000	82	12 000	45	A	10
2	55	305	16	FC55W/T5/830	93108433	4 200	Warm White	3000	82	12 000	61	A	10
2	55	305	16	FC55W/T5/840	93108434	4 200	Cool White	4000	82	12 000	61	A	10



1



2



3



4

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Tungsram Product Code	Initial Lumen (at 25°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
T8 Polylux XLR™ - G13 Cap													
15	437.4	26	F15W/T8/840/POLYLUX	93096219	950	Cool White	4000	80+	15 000	19	B	25	3
15	437.4	26	F15W/T8/860/POLYLUX	93096220	900	Daylight	6400	80+	15 000	18	B	25	3
18	589.8	26	F18W/T8/830/POLYLUX	93096221	1 350	Warm White	3000	80+	15 000	22	A	25	3
18	589.8	26	F18W/T8/835/POLYLUX	93096222	1 350	White	3500	80+	15 000	22	A	25	3
18	589.8	26	F18W/T8/840/POLYLUX	93096223	1 350	Cool White	4000	80+	15 000	22	A	25	3
18	589.8	26	F18W/T8/860/POLYLUX	93096224	1 250	Daylight	6400	80+	15 000	22	A	25	3
30	894.6	26	F30W/T8/840/POLYLUX	93096225	2 450	Cool White	4000	80+	15 000	35	A	25	3
30	894.6	26	F30W/T8/860/POLYLUX	93096226	2 300	Daylight	6400	80+	15 000	36	A	25	3
36	1 199.4	26	F36W/T8/830/POLYLUX	93096227	3 350	Warm White	3000	80+	15 000	42	A	25	3
36	1 199.4	26	F36W/T8/835/POLYLUX	93096228	3 350	White	3500	80+	15 000	42	A	25	3
36	1 199.4	26	F36W/T8/840/POLYLUX	93096229	3 350	Cool White	4000	80+	15 000	42	A	25	3
36	1 199.4	26	F36W/T8/860/POLYLUX	93096230	3 250	Daylight	6400	80+	15 000	43	A	25	3
58	1 500	26	F58W/T8/830/POLYLUX	93096231	5 200	Warm White	3000	80+	15 000	68	A	25	3
58	1 500	26	F58W/T8/835/POLYLUX	93096232	5 200	White	3500	80+	15 000	68	A	25	3
58	1 500	26	F58W/T8/840/POLYLUX	93096233	5 200	Cool White	4000	80+	15 000	68	A	25	3
58	1 500	26	F58W/T8/860/POLYLUX	93096234	5 000	Daylight	6400	80+	15 000	68	A	25	3
70	1 763.8	26	F70W/T8/835/POLYLUX	93108428	6 000	White	3500	80+	15 000	81	A	25	3
70	1 763.8	26	F70W/T8/840/POLYLUX	93108429	6 000	Cool White	4000	80+	15 000	81	A	25	3

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

Linear Fluorescent Lamps

Brand cross reference

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

Linear Fluorescent Lamps

Brand cross reference

Tungsrām	Osram	Philips	Sylvania
T5 Miniature Specfill Triphosphor EMERGENCY LIGHTING	Lumilux T5 Short EL	Master TL Mini Super 80	T5 Emergency
F8W/T5/840/SPECFILL	8W/840	-	F8W/840/SP200
F8W/T5/865/SPECFILL	-	-	-
T5 Miniature Specfill Standard EMERGENCY LIGHTING	Basic T5 Short EL	TL Mini Standard	T5 Emergency
F6W/T5/33/SPECFILL	6W/640	6W/33	F6W/133/SP200
F8W/T5/35/SPECFILL	-	-	-
F8W/T5/33/SPECFILL	8W/640	8W/33	F8W/133/SP200
T5 Miniature Standard	Basic T5 short		T5 Standard
F4W/T5/35	-	-	F4W/135
F4W/T5/33	L4W/640	-	F4W/133
F6W/T5/35	-	-	F6W/135
F6W/T5/33	L6W/640	-	F6W/133
F8W/T5/29	-	-	-
F8W/T5/35	L8W/535	-	F8W/135
F8W/T5/33	L8W/640	-	F8W/133
F13W/T5/29	-	-	F13W/129
F13W/T5/35	-	-	F13W/135
F13W/T5/33	L13W/640	-	F13W/133
T5 Circline™	Lumilux T5 FC	Master TL5 Circular	T5 Circline Plus
FC22W/T5/830	FC22W/830	22W/830	22W/830
FC22W/T5/840	FC22W/840	22W/840	22W/840
FC40W/T5/830	FC40W/830	40W/830	40W/830
FC40W/T5/840	FC40W/840	40W/840	40W/840
FC55W/T5/830	FC55W/830	55W/830	55W/830
FC55W/T5/840	FC55W/840	55W/840	55W/840
T8 Watt-Miser™	Lumilux T8 ES	Master TL-D Eco	T8 Luxline Eco
F16W/T8/830/WM	16W/830 ES	-	-
F16W/T8/840/WM	16W/840 ES	16W/840	-
F16W/T8/860/WM	-	-	-
F32W/T8/830/WM	32W/830 ES	-	F32W/830
F32W/T8/840/WM	32W/840 ES	32W/840	F32W/840
F32W/T8/860/WM	-	-	F32W/865
F51W/T8/830/WM	51W/830 ES	-	F51W/830
F51W/T8/840/WM	51W/840 ES	51W/840	F51W/840
F51W/T8/860/WM	-	-	F51W/865

Linear Fluorescent Lamps
 Brand cross reference

Tungsten	Osram	Philips	Sylvania
T8 Polylux XLR™ LongLast™	Lumilux XT T8	Master TL-D Xtra	
F18W/T8/830/POLYLUX/LL	L18W/830XT	18W/830	-
F18W/T8/840/POLYLUX/LL	L18W/840XT	18W/840	-
F36W/T8/830/POLYLUX/LL	L36W/830XT	36W/830	-
F36W/T8/840/POLYLUX/LL	L36W/840XT	36W/840	-
F58W/T8/830/POLYLUX/LL	L58W/830XT	58W/830	-
F58W/T8/840/POLYLUX/LL	L58W/840XT	58W/840	-
T8 Polylux XLR™	Lumilux T8	Master TL-D Super 80	T8 Luxline Plus
F15W/T8/830/POLYLUX	L15W/830	15W/830	F15W/830
FF15W/T8/835 POLYLUX	-	-	F15W/835
F15W/T8/840/POLYLUX	L15W/840	15W/840	F15W/840
F15W/T8/860/POLYLUX	L15W/860	-	F15W/865
F18W/T8/827/POLYLUX	L18W/827	18W/827	F18W/827
F18W/T8/830/POLYLUX	L18W/830	18W/830	F18W/830
F18W/T8/835/POLYLUX	L18W/835	18W/835	F18W/835
F18W/T8/840/POLYLUX	L18W/840	18W/840	F18W/840
F18W/T8/860/POLYLUX	L18W/865	18W/865	F18W/865
F30W/T8/830/POLYLUX	L30W/830	30W/830	F30W/830
F30W/T8/835/POLYLUX	-	-	F30W/835
F30W/T8/840/POLYLUX	L30W/840	30W/840	F30W/840
F30W/T8/860/POLYLUX	L30W/865	-	F30W/865
F36W/T8/827/POLYLUX	L36W/827	36W/827	F36W/827
F36W/T8/830/POLYLUX	L36W/830	36W/830	F36W/830
F36W/T8/835/POLYLUX	L36W/835	36W/835	F36W/835
F36W/T8/840/POLYLUX	L36W/840	36W/840	F36W/840
F36W/T8/860/POLYLUX	L36W/865	36W/865	F36W/865
F58W/T8/827/POLYLUX	L58W/827	58W/827	F58W/827
F58W/T8/830/POLYLUX	L58W/830	58W/830	F58W/830
F58W/T8/835/POLYLUX	L58W/835	58W/835	F58W/835
F58W/T8/840/POLYLUX	L58W/840	58W/840	F58W/840
F58W/T8/860/POLYLUX	L58W/865	58W/865	F58W/860
F70W/T8/835/POLYLUX	L70W/835	70W/835	F70W/835
F70W/T8/840/POLYLUX	L70W/840	70W/840	F70W/840



Compact Fluorescent Lamps Non-integrated

The background is a deep blue gradient. It features a network of thin, light blue lines that curve and intersect across the frame. Small, bright white dots are placed at various points along these lines, some appearing as single points and others as small clusters. The overall effect is reminiscent of a digital network or a stylized celestial map.

TR Compact Fluorescent Lamps Non-Integrated

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

Offering significant energy savings compared with previous technologies, Compact Fluorescent Lamps (CFL) can deliver major reductions in energy consumption and CO₂ 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 CO₂
EMISSION

WattMiser™

CFL Watt-Miser™ Lamps

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

Application areas:

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

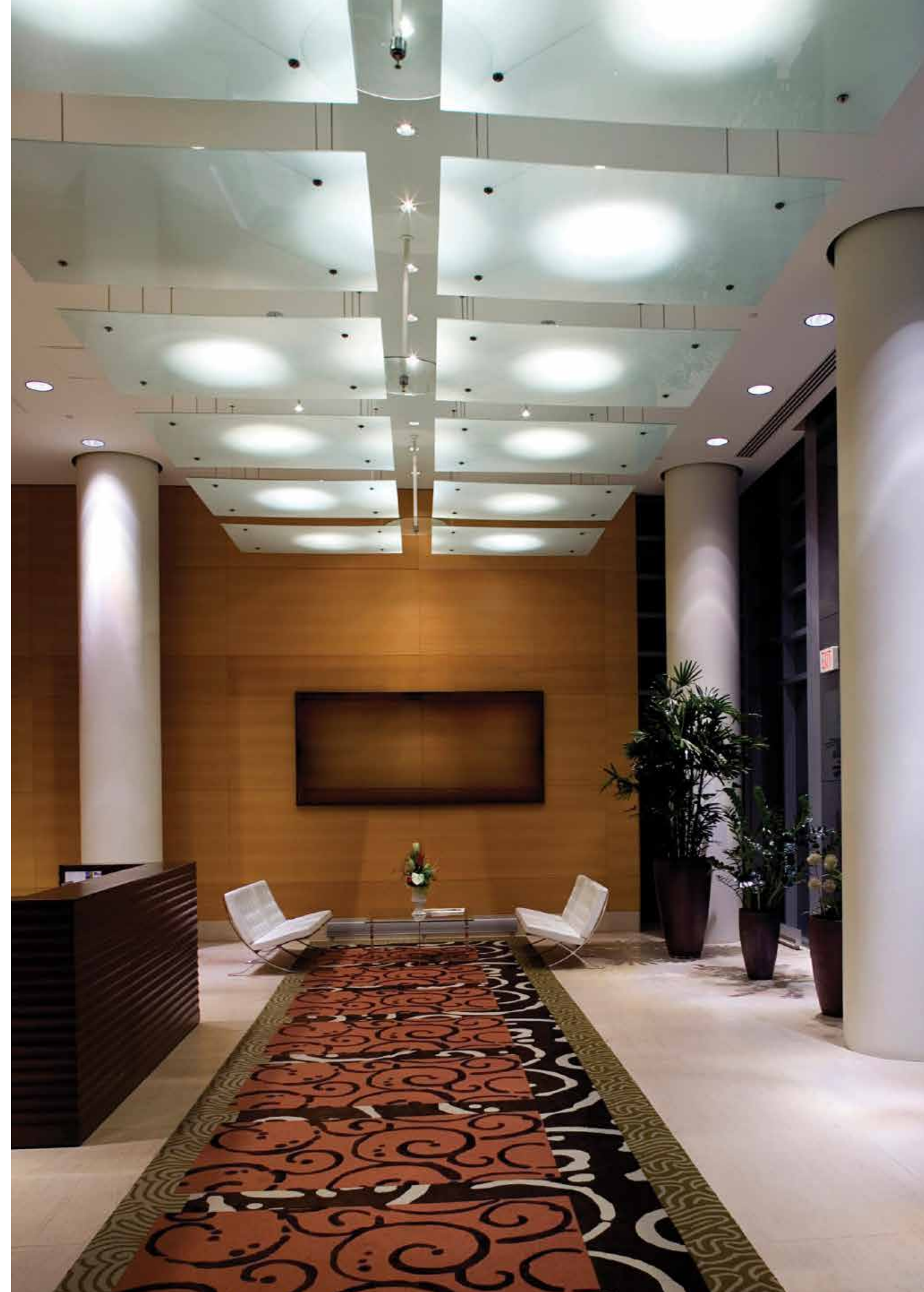
LongLast™

CFL LongLast™ Lamps

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

Application areas:

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



Compact Fluorescent Lamps Non-Integrated

Product overview



Biax™ S – 2-pin

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



Biax™ S/E – 4-pin

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

Biax™ S



LongLast™

Biax™ 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
Colors: 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

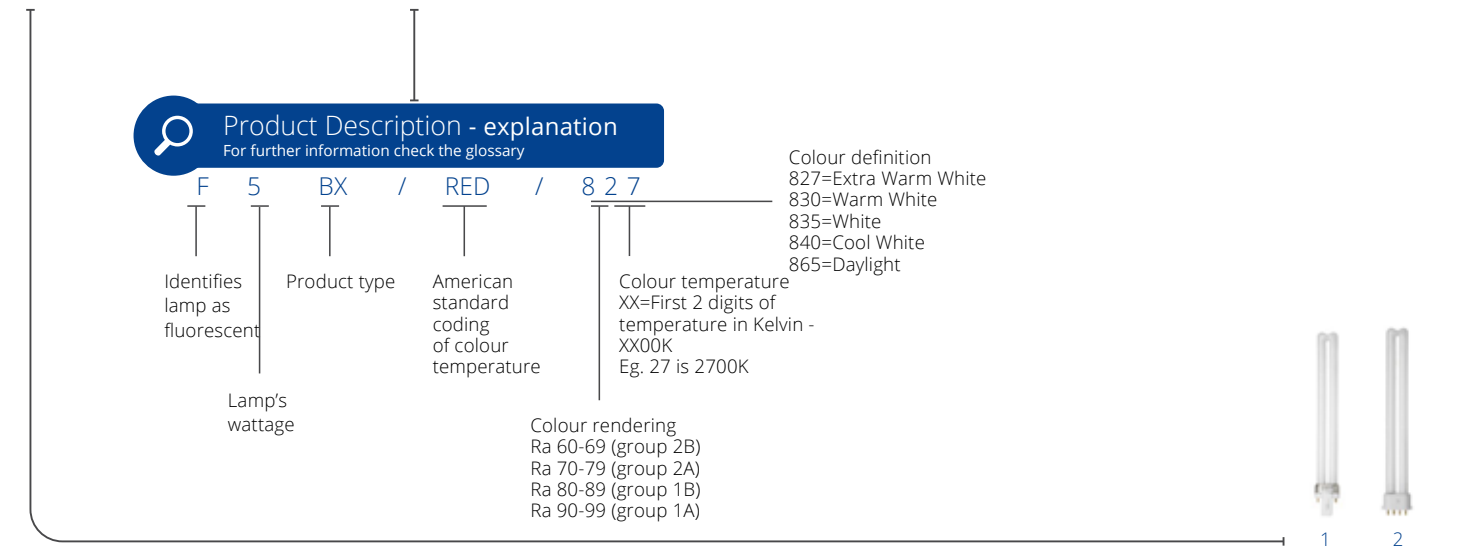
Biax™ T



Compact Fluorescent Lamps Non-Integrated

Model	Wattage (W)	Volts (V)	Cap	Product Description	Tungsrpm Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Biax™ S 2-pin, Internal Starter														
1	5	35	G23	F5BX/SPX27/827	93105936	265	2700	82	10 000	32	107.5	7.2	B	10
1	5	35	G23	F5BX/SPX41/840	93105940	265	4000	82	10 000	32	107.5	7.2	B	10
1	7	47	G23	F7BX/SPX27/827	93105951	425	2700	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/830	93105954	425	3000	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/SPX35/835	93105938	425	3500	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/SPX41/840	93105939	425	4000	82	10 000	32	136.5	9.2	A	10
1	7	47	G23	F7BX/865	93105955	425	6500	82	10 000	32	136.5	9.2	A	10
1	9	60	G23	F9BX/827	93105933	600	2700	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/830	93105953	600	3000	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/SPX35/835	93105934	600	3500	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/SPX41/840	93105935	600	4000	82	10 000	32	167	11.1	A	10
1	9	60	G23	F9BX/865	93105956	600	6500	82	10 000	32	167	11.1	A	10
1	11	91	G23	F11BX/827	93105941	900	2700	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/830	93105952	900	3000	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/835	93105943	900	3500	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/840	93105942	900	4000	82	10 000	32	237	14.7	A	10
1	11	91	G23	F11BX/865	93105957	900	6500	82	10 000	32	237	14.7	A	10
Biax™ S/E 4-pin, External Starter Required														
2	5	35	2G7	F5BX/827/4P	93105947	265	2700	82	15 000*	37.5	92	5.5	A	10
2	5	35	2G7	F5BX/840/4P	93105948	265	4000	82	15 000*	37.5	92	5.5	A	10
2	7	47	2G7	F7BX/827/4P	93105937	425	2700	82	15 000*	37.5	121	7.2	A	10
2	7	47	2G7	F7BX/840/4P	93105949	425	4000	82	15 000*	37.5	121	7.2	A	10
2	9	60	2G7	F9BX/827/4P	93105944	600	2700	82	15 000*	37.5	151	8.8	A+	10
2	9	60	2G7	F9BX/830/4P	93106039	600	3000	82	15 000*	37.5	151	8.8	A+	10
2	9	60	2G7	F9BX/840/4P	93105945	600	4000	82	15 000*	37.5	151	8.8	A+	10
2	11	91	2G7	F11BX/827/4P	93105950	900	2700	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/830/4P	93106038	600	3000	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/840/4P	93105946	900	4000	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/865/4P	93105892	900	6500	82	15 000*	37.5	222	12.1	A+	10
2	11	91	2G7	F11BX/GREEN/2G7	93106040	1 200	GREEN	N/A	15 000*	37.5	222	N/A	N/A	10
2	11	91	2G7	F11BX/BLUE/2G7	93106041	250	BLUE	N/A	15 000*	37.5	222	N/A	N/A	10
2	11	91	2G7	F11BX/RED/2G7	93106042	600	RED	N/A	15 000*	37.5	222	N/A	N/A	10

* Life on electronic gear 12h-cycle



Wattage (W)	Volts (V)	Cap	Product Description	Tungsrpm Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Biax™ D 2-pin, Internal Starter														
10	64	G24D-1	F10DBX/T4/827/2P	93106002	600	2700	82	12 000	34.4	108.5	12.7	B	10	3
10	64	G24D-1	F10DBX/T4/830/2P	93106003	600	3000	82	12 000	34.4	108.5	12.7	B	10	3
10	64	G24D-1	F10DBX/T4/840/2P	93106004	600	4000	82	12 000	34.4	108.5	12.7	B	10	3
10	64	G24D-1	F10DBX/T4/865/2P	93106005	600	6500	82	12 000	34.4	108.5	12.7	B	10	3
13	91	G24D-1	F13DBX/T4/827/2P	170223	900	2700	82	12 000	34.4	133	16.2	A	10	3
13	91	G24D-1	F13DBX/T4/830/2P	93106009	900	3000	82	12 000	34.4	133	16.2	A	10	3
13	91	G24D-1	F13DBX/T4/840/2P	189862	900	4000	82	12 000	34.4	133	16.2	A	10	3
13	91	G24D-1	F13DBX/T4/865/2P	195630	900	6500	82	12 000	34.4	133	16.2	A	10	3
18	100	G24d-2	F18DBXT4/SPX27/827	93105893	1 200	2700	82	12 000	34.4	154	22.1	B	10	3
18	100	G24d-2	F18DBXT4/SPX30/830	93105894	1 200	3000	82	12 000	34.4	154	22.1	B	10	3
18	100	G24d-2	F18DBXT4/SPX35/835	93105895	1 200	3500	82	12 000	34.4	154	22.1	B	10	3
18	100	G24d-2	F18DBXT4/SPX41/840	93105896	1 200	4000	82	12 000	34.4	154	22.1	B	10	3
18	100	G24d-2	F18DBXT4/SPX65/865	93105901	1 200	6500	82	12 000	34.4	154	22.1	B	10	3
26	105	G24d-3	F26DBXT4/SPX27/827	93105920	1 800	2700	82	12 000	34.4	169.5	31.4	B	10	3
26	105	G24d-3	F26DBXT4/SPX30/830	93105917	1 800	3000	82	12 000	34.4	169.5	31.4	B	10	3
26	105	G24d-3	F26DBXT4/SPX35/835	93105921	1 800	3500	82	12 000	34.4	169.5	31.4	B	10	3
26	105	G24d-3	F26DBXT4/SPX41/840	93105922	1 800	4000	82	12 000	34.4	169.5	31.4	B	10	3
26	105	G24d-3	F26DBXT4/SPX65/865	93105923	1 710	6500	82	12 000	34.4	169.5	31.5	B	10	3
Biax™ D/E LongLast™ 4-pin, External Starter Required														
18	100	G24q-2	F18DBX/SPX27/827/4P	93105897	1 200	2700	82	20 000*	34.4	146.5	18.2	A	10	4
18	100	G24q-2	F18DBX/SPX30/830/4P	93105898	1 200	3000	82	20 000*	34.4	146.5	18.2	A	10	4
18	100	G24q-2	F18DBX/SPX35/835/4P	93105899	1 200	3500	82	20 000*	34.4	146.5	18.2	A	10	4
18	100	G24q-2	F18DBX/SPX41/840/4P	93105900	1 200	4000	82	20 000*	34.4	146.5	18.2	A	10	4
26	105	G24q-3	F26DBX/SPX27/827/4P	93105918	1 800	2700	82	20 000*	34.4	162	26.4	A	10	4
26	105	G24q-3	F26DBX/SPX30/830/4P	93105915	1 800	3000	82	20 000*	34.4	162	26.4	A	10	4
26	105	G24q-3	F26DBX/SPX35/835/4P	93105919	1 800	3500	82	20 000*	34.4	162	26.4	A	10	4
26	105	G24q-3	F26DBX/SPX41/840/4P	93105916	1 800	4000	82	20 000*	34.4	162	26.4	A	10	4
26	105	G24q-3	F26DBX/SPX65/865/4P	93105986*	1 710	6500	82	20 000*	34.4	162	26.4	A	10	4
Biax™ D/E LongLast™ 4-pin, External Starter Required														
10	64	G24q-1	F10DBX/T4/827/4P	93106007	600	2700	82	20 000**	34.4	101	10.5	A	10	5
10	64	G24q-1	F10DBX/T4/830/4P	93106008	600	3000	82	20 000**	34.4	101	10.5	A	10	5
10	64	G24q-1	F10DBX/T4/840/4P	93106010	600	4000	82	20 000**	34.4	101	10.5	A	10	5
13	91	G24q-1	F13W DBX/T4/830/4P	93106011	900	2700	82	20 000**	34.4	125.5	13.8	A	10	5
13	91	G24q-1	F13W DBX/T4/840/4P	93106012	900	3000	82	20 000**	34.4	125.5	13.8	A	10	5
13	91	G24q-1	F13W DBX/T4/865/4P	93106013	900	4000	82	20 000**	34.4	125.5	13.8	A	10	5

*Will be phased out

** Life on electronic gear 12h-cycle



Compact Fluorescent Lamps Non-Integrated

Model	Wattage (W)	Volts (V)	Cap	Product Description	Tungsrpm Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Con- sumption (kWh)	EEC	Pack Qty
Biax™ T 2-pin with Amalgam, Internal Starter														
1	13	91	GX24d-1	F13TBX/827/A/2P	93105925	900	2700	82	12 000	49.3	112.9	16.2	B	10
1	13	91	GX24d-1	F13TBX/SPX30/830/A/2P	93105932	900	3000	82	12 000	49.3	112.9	16.2	B	10
1	13	91	GX24d-1	F13TBX/SPX41/A/2P	93105926	900	4000	82	12 000	49.3	112.9	16.2	B	10
1	18	100	GX24d-2	F18TBX/SPX27/827/A/2P	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	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	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	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	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	93105931	1 800	4000	82	12 000	49.3	139.9	32.8	B	10
Biax™ T/E LongLast™ 4-pin with Amalgam, External Starter Required														
2	13	91	GX24q-1	F13TBX/SPX27/827/A/4P	93105906	900	2700	82	20 000**	49.3	106.2	13.8	A	10
2	13	91	GX24q-1	F13TBX/SPX30/830/A/4P	93105909	900	3000	82	20 000**	49.3	106.2	13.8	A	10
2	13	91	GX24q-1	F13TBX/SPX35/835/A/4P	93105912	900	3500	82	20 000**	49.3	106.2	13.8	A	10
2	13	91	GX24q-1	F13TBX/SPX41/840/A/4P	93105905	900	4000	82	20 000**	49.3	106.2	13.8	A	10
2	18	100	GX24q-2	F18TBX/SPX27/827/A/4P	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	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	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	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	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	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	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	93105903	1 800	4000	82	20 000**	49.3	133.2	26.4	A	10
Biax™ T/E LongLast™ 4-pin with Amalgam, External Starter Required with HF gear*														
3	32	100	GX24q-3	F32TBX/SPX27/827/AP4P	93106035	2 400	2700	82	20 000**	49.3	146.2	35.2	A	10
3	32	100	GX24q-3	F32TBX/SPX30/830/AP4P	93106036	2 400	3000	82	20 000**	49.3	146.2	35.2	A	10
3	32	100	GX24q-3	F32TBX/SPX35/835/A/4P	93106037	2 400	3500	82	20 000**	49.3	146.2	35.2	A	10
3	32	100	GX24q-3	F32TBX/SPX41/840/A/4P	528682	2 400	4000	82	20 000**	49.3	146.2	35.2	A	10
3	42	135	GX24q-4	F42TBX/827/A/4P	93105997	3 200	2700	82	20 000**	49.3	163.2	47.3	A	10
3	42	135	GX24q-4	F42TBX/830/A/4P	93105998	3 200	3000	82	20 000**	49.3	163.2	47.3	A	10
3	42	135	GX24q-4	F42TBX/835/A/4P	93105999	3 200	3500	82	20 000**	49.3	163.2	47.3	A	10
3	42	135	GX24q-4	F42TBX/841/A/4P	93106000	3 200	4000	82	20 000**	49.3	163.2	47.3	A	10
Biax™ Q/E LongLast™ 4-pin with Amalgam, External Starter Required with HF gear*														
4	57	175	GX24q-5	F57QBX/827/A/4P/LL	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	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	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	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	93105991	5 200	3000	82	20 000**	58.3	208.2	77	A	10
4	70	219	GX24q-6	F70QBX/835/A/4P/LL	93105994	5 200	3500	82	20 000**	58.3	208.2	77	A	10
4	70	219	GX24q-6	F70QBX/840/A/4P/LL	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



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Wattage (W)	Volts (V)	Cap	Product Description	Tungsrpm Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Con- sumption (kWh)	EEC	Pack Qty	Model
Biax™L LongLast™4-pin, External Starter Required with HF gear*														
40	126	2G11	F40BX/830	93105972	3 500	3000	82	22 500*	43.8	538.8	44	A	25	5
40	126	2G11	F40BX/835	93105973	3 500	3500	82	22 500*	43.8	538.8	44	A	25	5
40	126	2G11	F40BX/840	93105974	3 500	4000	82	22 500*	43.8	538.8	44	A	25	5
55	101	2G11	F55BX/830	93105975	4 800	3000	82	22 500*	43.8	538.8	60.5	A	25	5
55	101	2G11	F55BX/835	93105976	4 800	3500	82	22 500*	43.8	538.8	60.5	A	25	5
55	101	2G11	F55BX/840	93105977	4 800	4000	82	22 500*	43.8	538.8	60.5	A	25	5
55	101	2G11	F55BX/865	93106015	4 550	6500	82	22 500*	43.8	538.8	60.5	A	25	5
Biax™ L 4-pin, External Starter Required														
18	58	2G11	F18BX/827	93105958	1 250	2700	82	15 000*	43.8	231.3	17.6	A	25	6
18	58	2G11	F18BX/830	93105959*	1 250	3000	82	15 000*	43.8	231.3	17.6	A	25	6
18	58	2G11	F18BX/835	93105960	1 250	3500	82	15 000*	43.8	231.3	17.6	A	25	6
18	58	2G11	F18BX/840	93105961	1 250	4000	82	15 000*	43.8	231.3	17.6	A	25	6
24	87	2G11	F24BX/827	93105962	1 800	2700	82	15 000*	43.8	326.8	24.2	A	25	6
24	87	2G11	F24BX/830	93105963	1 800	3000	82	15 000*	43.8	326.8	24.2	A	25	6
24	87	2G11	F24BX/835	93105964	1 800	3500	82	15 000*	43.8	326.8	24.2	A	25	6
24	87	2G11	F24BX/840	93105965	1 800	4000	82	15 000*	43.8	326.8	24.2	A	25	6
34	120	2G11	F34BX/830	93105966	2 800	3000	82	15 000*	43.8	538.8	33	A+	25	6
34	120	2G11	F34BX/835	93105967	2 800	3500	82	15 000*	43.8	538.8	33	A+	25	6
34	120	2G11	F34BX/840	93105968	2 800	4000	82	15 000*	43.8	538.8	33	A+	25	6
36	106	2G11	F36BX/827	93105978	2 900	2700	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/830	93105969	2 900	3000	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/835	93105970	2 900	3500	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/840	93105971	2 900	4000	82	15 000*	43.8	421.8	36.6	A+	25	6
36	106	2G11	F36BX/865	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



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TT Compact Fluorescent Lamps Non-Integrated

Model	Wattage (W)	Volts (V)	Cap	Product Description	Tungsrsm Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Con- sumption (kWh)	EEC	Pack Qty
2D™ Watt-Miser™														
1	16	103	GR8	F162D/T4/827/2P GE HB 1/10 WM	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	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	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	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	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	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	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	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	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	93106018	2 150	2700	82	15 000	202	204	27	A	20
1	28	108	GR10q	F282D/T5/830/4P GE HB1/10 WM	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	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	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	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	93106023	3 020	3500	82	15 000	202	204	38	A	10

Biax™ 2D™														
2	55	98	GR10q3	F552D/T5/835/4P A LEG HB 1/10	93112547	3 900	3500	82	10 000	202	204	61.6	A	10



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Compact Fluorescent Lamps Non-Integrated

Brand cross reference

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

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

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Compact Fluorescent Lamps Non-Integrated

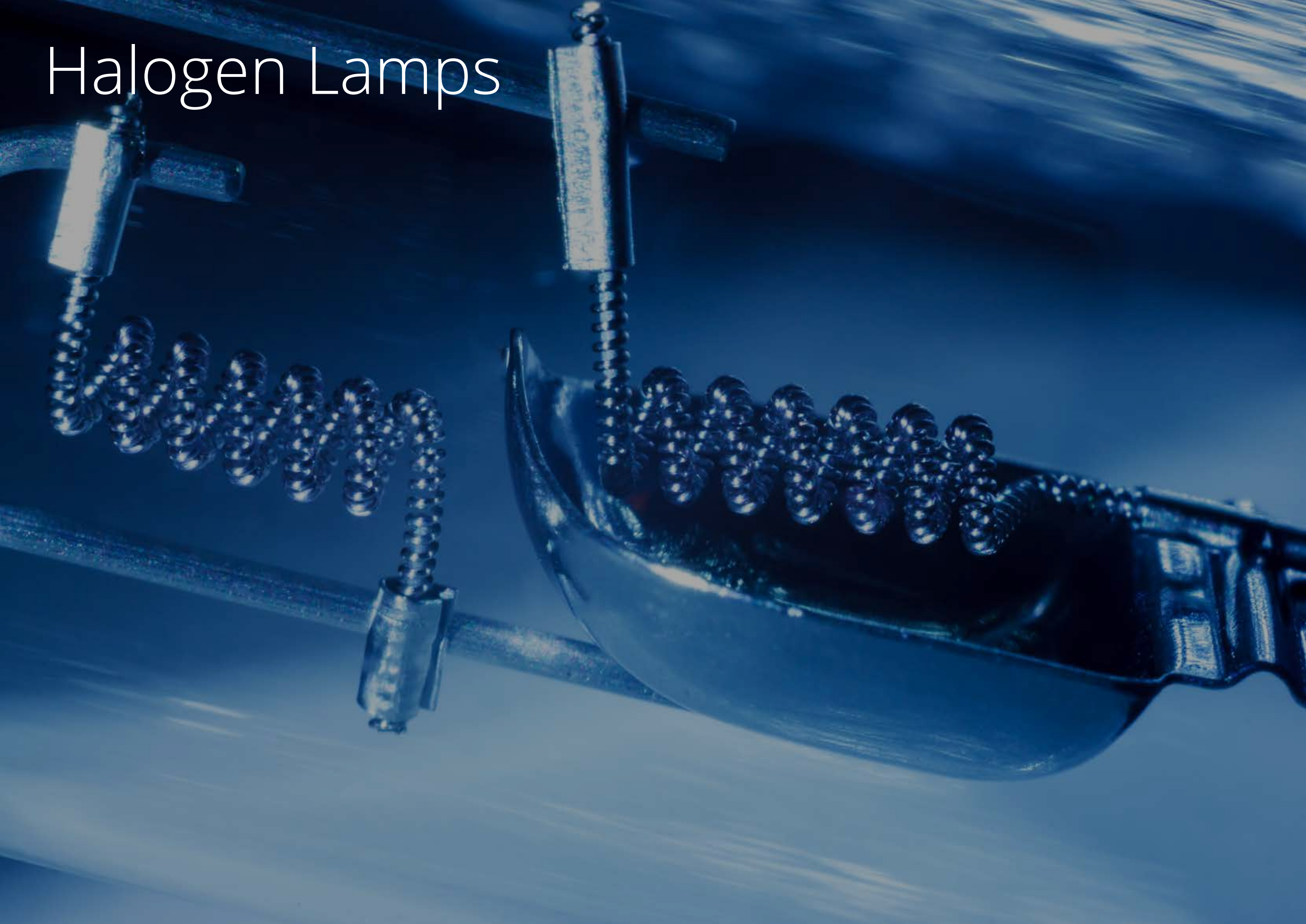
Brand cross reference

Tungsram		Osram		Philips	Sylvania
Biax™ T/E 4-pin		Colour Temperature	Dulux T/E Plus	Master PL-T 4p0in	Lynx- TE
42W	F32TBX/840/A/4P/EOL	4000	DULUX T/E 32W/840	PL-T 32W/840/4P	Lynx TE 32W/840
	F42TBX/827/A/4P/EOL	2700	DULUX T/E 42W/827	PL-T 42W/827/4P	-
	F42TBX/830/A/4P/EOL	3000	DULUX T/E 42W/830	PL-T 42W/830/4P	Lynx TE 42W/830
	F42TBX/841/A/4P/EOL	3500	-	-	-
	F42TBX/835/A/4P/EOL	4000	DULUX T/E 42W/840	PL-T 42W/830/4P	Lynx TE 42W/840
Biax™ Q/E 4-pin		Colour Temperature	Dulux T/E	PL-T	Lynx- TE t
57W	F57QBX/827/A/4P/EOL	2700	-	PL-T 57W/827/4P	-
	F57QBX/830/A/4P/EOL	3000	-	PL-T 57W/830/4P	-
	F57QBX/835/A/4P/EOL	3500	-	-	-
70W	F57QBX/840/A/4P/EOL	4000	-	PL-T 57W/840/4P	-
	F70QBX/830/A/4P/EOL	3000	-	-	-
	F70QBX/835/A/4P/EOL	3500	-	-	-
	F70QBX/840/A/4P/EOL	4000	-	-	-
Biax™ L 4-pin		Colour Temperature	Dulux-L	PL-L	Lynx L & Lynx-LE
18W	F18BX/827	2700	DULUX L 18W/827	-	Lynx L 18W/827
	F18BX/830	3000	DULUX L 18W/830	PL-L 18W/830/4P	Lynx L 18W/830
	F18BX/835	3500	DULUX L 18W/835	PL-L 18W/835/4P	-
	F18BX/840	4000	DULUX L 18W/840	PL-L 18W/840/4P	Lynx L 18W/840
24W	F24BX/827	2700	DULUX L 24W/827	-	Lynx L 24W/827
	F24BX/830	3000	DULUX L 24W/830	PL-L 24W/830/4P	Lynx L 24W/830
	F24BX/835	3500	DULUX L 24W/835	PL-L 24W/835/4P	-
	F24BX/840	4000	DULUX L 24W/840	PL-L 24W/840/4P	Lynx L 24W/840
34W	F34BX/830	3000	-	-	-
	F34BX/835	3500	-	-	-
	F34BX/840	4000	-	-	-
36W	F36BX/827	2700	DULUX L 36W/827	-	Lynx L 36W/827
	F36BX/830	3000	DULUX L 36W/830	PL-L 36W/830/4P	Lynx L 36W/830
	F36BX/835	3500	DULUX L 36W/835	-	-
	F36BX/840	4000	DULUX L 36W/840	PL-L 36W/840/4P	Lynx L 36W/840
40W	F36BX/865	6500	DULUX L 36W/865	PL-L 36W/865/4P	Lynx L 36W/865
	F40BX/830	3000	DULUX L 40W/830	PL-L 40W/830/4P	Lynx LE 40W/830
	F40BX/835	3500	DULUX L 40W/835	PL-L 40W/835/4P	Lynx LE 40W/835
	F40BX/840	4000	DULUX L 40W/840	PL-L 40W/840/4P	Lynx LE 40W/840
55W	F55BX/830	3000	DULUX L 55W/830	PL-L 55W/830/4P	Lynx LE 55W/830
	F55BX/835	3500	DULUX L 55W/835	PL-L 55W/835/4P	Lynx LE 55W/835
	F55BX/840	4000	DULUX L 55W/840	PL-L 55W/840/4P	Lynx LE 55W/840
	F55BX/854	6500	DULUX L 55W/865	PL-L 55W/865/4P	Lynx LE 55W/865

Tungsram		Osram		Philips	Sylvania
Biax™ 2D 2-pin		ColourTemperature		PL-Q 2-pin	Lynx-Q (GR8 base) 2 pin
16W	F162D/T4/827/2P GE HB 1/10 WM	2700	CFL Square 16W/827	PLQ 16W/827/2P	Lynx-Q 16W/827/2P
	F162D/T4/835/2P GE HB 1/10 WM	3500	CFL Square 16W/835	PLQ 16W/835/2P	Lynx-Q 16W/835/2P
	F162D/T4/860/2P GE HB 1/10 WM	6000	-	-	-
28W	F282D/T5/827/2P GE HB 1/10 WM	2700	CFL Square 28W/827	-	-
Biax™ 2D 4-pin		ColourTemperature		PL-Q 4-pin	Lynx-QE 4 pin
10W	OT F10W/2D/827/4P GE BL 1/20	2700	-	-	-
	OT F10W/2D/835/4P GE BL 1/20	3500	-	-	-
16W	F162D/T4/827/4P GE HB 1/10 WM	2700	CFL Square 16W/827	PLQ 16W/827/4P	Lynx-QE 16W/827/4P
	F162D/T4/835/4P GE HB 1/10 WM	3500	CFL Square 16W/835	PLQ 16W/835/4P	Lynx-QE 16W/835/4P
21W	F212D/T4/827/4P GE HB 1/10 WM	2700	-	-	-
	F212D/T4/835/4P GE HB 1/10 WM	3500	-	-	-
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	Lynx-QE 28W/827/4P
	F282D/T5/830/4P GE HB1/10 WM	3000	-	PLQ 28W/830/4P	--
	F282D/T5/835/4P GE HB 1/10 WM	3500	CFL Square 28W/835	PLQ 28W/835/4P	Lynx-QE 28W/835/4P
38W	F282D/T5/840/4P GE HB 1/10 WM	4000	-	PLQ 28W/840/4P	Lynx-QE 28W/840/4P
	F382D/T5/827/4P GE HB 1/10 WM	2700	CFL Square 38W/827	PLQ 38W/827/4P	Lynx-QE 38W/827/4P
	F382D/T5/835/4P GE HB 1/10 WM	3500	-	PLQ 38W/835/4P	Lynx-QE 38W/835/4P
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.



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 Fila- ment

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



Low voltage cap- sule - Axial Fila- ment

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

Capsules



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

Model	Wattage (W)	Volts (V)	Cap	Product Description	Tungsrn Product Code	Lumen (lm)	Candela (cd)	Beam Angle (°)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Open/ Closed
Precise™ Bright 5000 MR16																
1	20	12	GU5.3	M269/BAB/CG	93107761	205	450	36	2900	5 000	50.7	50.5	20.9	C	10	closed
1	35	12	GU5.3	M281/FMW/FL/CG	93108317	370	1 300	36	2900	5 000	50.7	46	35.0	C	10	closed
1	50	12	GU5.3	M250/EXZ/CG	93107762	675	4 750	18	2900	5 000	50.7	50.5	53.9	C	10	closed
1	50	12	GU5.3	M258/EXN/CG	93107764	680	2 100	36	2900	5 000	50.7	50.5	53.9	C	10	closed
1	50	12	GU5.3	M280/FNV/CG	93107763	750	950	60	2900	5 000	50.7	50.5	53.9	B	10	closed

Model	Wattage (W)	Volts (V)	Cap	Product Description	Tungsrn Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Mains Voltage Capsule G9													
2	20	230	G9	SHORTG9 20W CL 230V	93012932	235	2800	1 000	13	43	21.4	D	10
2	42	230	G9	SHORTG9 42W CL 230V	93012934	630	2800	2 000	13	43	43	D	10

Low Voltage Capsule - Transversal Filament													
3	10	12	G4	M11/H10 G4	509501	140	2800	2 000	9	33	10.8	C	20
3	50	12	GY6.35	M32/Q50 GY6.35	509444	930	2900	4 000	11	44	55.9	C	20

Low Voltage Capsule - Axial Filament													
4	20	12	G4	M47/Q20 G4	93010602	380	2900	2 000	9	33	22.7	C	20

Linear 117mm													
5	330	230	R7s	K1 C330W 230V R7S 117MM	524901	7 000	3000	2 000	10	119	349.5	D	10
5	200	230	R7s	K9 C200W 230V R7S 117MM	93107758	4 000	3000	2 000	8	119	210.6	D	10
5	330	240	R7s	K1 C330W 240V R7S 117MM	93107759	7 000	3000	2 000	8	119	351.1	D	10
5	200	240	R7s	K9 C200W 240V R7S 117MM	93107760	4 000	3000	2 000	8	119	212.7	D	10
5	130	240	R7s	K11 C130W 240V R7S 117MM	524919	2 440	2900	2 000	8.8	119	138	D	10

Linear - High Watt													
5	1000	240	R7s	K4 1000W 240V R7S 189MM BX	509472	21 000	3000	2 000	10	190.5	1018.9	D	4



Product Description - explanation

For further information check the glossary

M62

Class M Numerical index specifying lamp type

/

FTD

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

/

CG

CG - Closed design

/

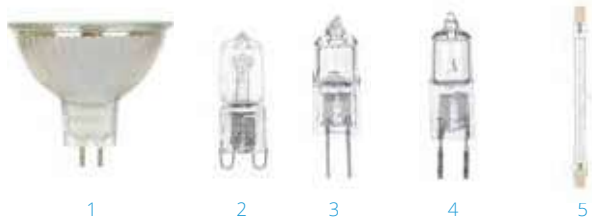
A

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

/

FL

FL - Flood Beam Angle
SP - Spot Beam Angle



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:

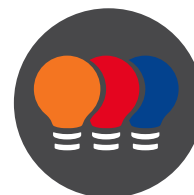
- Pygmy for oven, freezer and sewing machine
- Infrared reflector
- Low Voltage GLS
- Coloured decorative lamps



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.



Incandescent Lamps

Product overview



Infrared
Hard Glass

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

Infrared Reflector



Appliance

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

Pygmy

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



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 Tulox 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 °C 750W with 230 and 400 V options (operated on electronic ballast)

Special applications

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

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



ENTERTAINMENT



HORTICULTURE



SPECIAL APPLICATIONS



Specialty Lamps / Entertainment Lamps

Product overview



Cinema Studio Biax™
Wattage: 55W
Lumens: 2 400 - 4 100
CCT: 3200 & 5600K
Rated life: Up to 8 000 h



Single Ended Hot 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



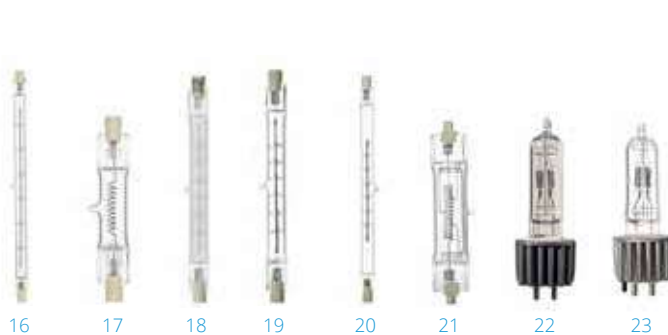
Single Ended Cold Start
Wattage: Up to 1 200W
Lumens: Up to 110 000
CCT: 6500 - 9000K
Rated life: 800 - 3 000 h

Event and Tour

Model	Wattage (W)	Volts	Cap	Product description	Tungsram Product Code	Lumen (lm)	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty
Cinema Studio Biax™																
1	55	-	2G11-4 PIN	F55BX/STUDIOBIAX32	93110354	4 100	3200	-	-	8 000	55	-	U	A	-	10
1	55	-		F55BX/STUDIOBIAX56	93110355	4 100	5600	-	-	8 000	55	-	U	A	-	10
1	55	-		F55BX/CINPLUS/55	93110786	2 400	5600	-	-	2 000	55	-	U	B	-	10
Discharge Hot Restrike																
2	125	80	GZX9.5	CSR125/SE/HR	93106378	9 800	6000	-	-	200	75	15	U	A	-	10
3	200	70	GZY9.5	CSR200/SE/HR/UV-C	93106379	17 500	6000	-	-	200	80	19	U	A	-	10
3	400	70	GZZ9.5	CSR400/SE/HR/UV-C	93106221	32 000	6000	-	-	750	110	14	U	A	-	10
3	575	95	G22	CSR575/SE/HR/UV-C	93110787	48 000	6000	-	-	750	145	31	U	A	-	10
3	800	95	G22	CSR800/SE/HR/UV-C	93106222	64 000	5600	-	-	750	145	30	U	A	-	10
3	1200	100	G38	CSR1200/SE/HR/UV-C	93106223	110 000	6000	-	-	750	200	42+1-1	U	A+	-	6
4	1600	150	G22	CSR1600/SE/HR/UV-C	93106386	130 000	6000	-	-	500	175	40	U	A+	-	6
4	1800	150	G38	CSR 1800/SE/HR	93106389	165 000	6000	-	-	750	200	42+1-1	U	A+	-	6
5	2500	115	G38	CSR 2500/SE/HR/UV-C	93106225	220 000	6000	-	-	500	240	60+1-2	U	A	-	6
5	4000	200	G38	CSR4000/SE/HR/UV-C	93106224	380 000	6000	-	-	500	260	75+1-2	U	A+	-	6
6	6000	130	G38	CSR 6000/SE/HR/UV-C	93106376	540 000	6000	-	-	300	360	85+1-3	U	A+	-	6
6	9000	160	G38	CSR9000/SE/HR	93106387	875 000	6000	-	-	400	360	85+1-3	U	A+	-	6
6	12 000	225	G38	CSR12000/SE/HR/UV-C	93106397	1 150 000	6000	-	-	300	450	103+1-3	U	A+	-	4
7	18 000	225	30x70 Cyl 165mm	CSR18000/DE	93106377	1 650 000	6000	-	-	500	500	73	HOR±15°	A+	-	4
6	18 000	225	G51	CSR18000/SE/HR	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	93106395	27 000+13k	3050	CP105	-	250	220	-	BD45	D	1919.00	1
8	1250+1250	230-240	GX38q	CP30 230- 240V	93106393	27 000+27k	3200	CP30	-	300	220	-	BD45	D	2518.00	1
9	1250+2500	230-240	GX38q	CP58 230-240V	93106394	27 000+59k	3200	CP58	-	300	220	-	BD45	C	3795.00	1
10	5000	240	G38	HX5000/240V	93106388	133 000	3200	-	-	200	270	65	U	C	4652.57	6
11	5000	230	G38	CP29 230V	93106391	13 500	3200	CP29	-	375	279	-	BDTH	C	5040.00	12
10	5000	240	G38	CP29 240V	93106392	13 000	3200	CP29	-	375	279	-	BDTH	C	5040.00	12
12	10 000	220-230	G38	CP83 220-230V	93106218	280 000	3200	CP83	-	500	405	-	BDTH	C	9965.00	1
12	10 000	240	G38	CP83 240V	93106219	280 000	3200	CP83	-	500	405	-	BDTH	C	9777.33	1
14	12 000	230	GX38	Q12MT26/CL 230V	93106380	400 000	3400	-	-	130	410	-	BD45	B	12600.37	1
13	12 000	240	GX38	Q12MT26/CL 240V	93106383	400 000	3400	-	-	130	410	-	BD45	C	11659.73	1
14	20 000	240	GX38	Q20MT32/CL 240V	93106381	580 000	3200	-	BCM	400	560	-	BD45	C	19727.93	1
15	24 000	240	GX38	Q24MT32/CL 240V	93106382	800 000	3400	-	-	150	560	-	BD45	B	23778.40	1



Wattage (W)	Volts	Cap	Product description	Tungsram Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Double Ended Quartzline®															
500	120	R7s	TU FDF Q500T3/4CL	93106448	13 250	3200	P2/30	FDF	400	119	BDTH	C	543.56	12	16
625	230	R7s	TU P2/10 Q625T3/4CL 220/230V	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	93106440	16 900	3200	P2/10	-	300	189	HOR±15°	C	621.29	12	16
650	120	R7s	FAD Q650T4/CL P2/6	93106453	16 500	3200	P2/6	FAD	100	80	U	C	675.27	24	17
750	120	R7s	TU EJG Q750T3/4CL	93106449	20 600	3200	-	EJG	400	119	HOR±15°	C	815.07	12	18
800	240	R7s	DXX 800-T4-4CL 240V	93106455	21 400	3200	P2/13	DXX	75	80	U	C	788.20	24	17
800	240	R7s	TU P2/11 EME Q800T3/4CL 240V	93106450	22 000	3200	P2/11	EME	150	119	HOR±15°	C	826.06	12	19
1000	230	R7s	TU P2/7 EKM Q1MT3/4CL 220/230V	93106441	28 000	3200	P2/7	EKM	300	189	HOR±15°	C	1013.60	12	20
1000	240	R7s	TU P2/7 EKM Q1MT3/4CL 240/250V	93106442	28 000	3200	P2/7	EKM	300	189	HOR±15°	C	1007.20	12	20
1000	120	R7s	TU FCM P2/28 Q1000T3/4CL	93106451	28 000	3200	P2/28	FCM	400	119	HOR±15°	C	1081.09	12	20
1250	240	R7s	TU P2/12 Q1250T3/4CL 240/250V	93106438	35 000	3200	P2/12	-	300	189	HOR±15°	C	1281.60	12	16
2000	230	R7s	P2/27 FEX 230V	93106514	50 000	3200	P2/27	FEX	300	143	HOR±15°	C	1965.54	12	21
2000	240	R7s	P2/27 FEX 240V	93106515	50 000	3200	P2/27	FEX	300	143	HOR±15°	C	1975.92	12	21
Single Ended Halogen - HPL (19 mm diameter)															
575	115	G9.5/Heat Sink	HPL 575-X LL-C 115V	93106471	12 360	3050	-	-	2 000	106	U	D	622.46	12	22
575	120		HPL 575-C 120V	93106472	16 520	3250	-	-	300	106	U	C	594.55	12	22
575	115		HPL 575-C 115V	93106474	16 520	3250	-	-	300	106	U	C	617.98	12	22
575	240		HPL 575W LL 240V	93106510	11 780	3050	-	-	1 500	106	U	D	591.13	12	22
575	230		HPL 575W LL 230V	93106511	11 780	3050	-	-	1 500	106	U	D	594.48	12	22
575	240		HPL 575W 240V	93106512	14 900	3200	-	-	300	106	U	D	597.77	12	22
575	230		HPL 575W 230V	93106513	14 900	3200	-	-	300	106	U	C	599.98	12	22
750	115		HPL 750W-XLL-C 115V	93106465	16 400	3050	-	-	2 000	106	U	D	808.07	12	23
750	240		HPL 750W LL 240V	93106466	15 600	3050	-	-	1 500	106	U	D	759.59	12	23
750	230		HPL 750W LL 230V	93106467	15 600	3050	-	-	1 500	106	U	D	771.10	12	23
750	115		HPL 750-C 115V	93106473	22 000	3250	-	-	300	106	U	C	819.39	12	23
750	240		HPL 750W 240V	93106508	19 750	3200	-	-	300	106	U	C	773.78	12	23
750	230		HPL 750W 230V	93106509	19 750	3200	-	-	300	106	U	C	776.97	12	23
* Will be phased out															



Model	Wattage (W)	Volts	Cap	Product description	Tungsram Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Outer qty
Single Ended Halogen														
1	300	230	GY9.5	CP81 FSL 230V	93106470	6 900	3200	CP81	FSL	150	90	BDTH	C	24
1	300	120	GY9.5	CP81 FKW 120V	93106478	6 900	3200	CP81	FKW	50	90	BDTH	D	24
1	300	240	GY9.5	CP81 FSK 240V	93106479	6 900	3200	CP81	FSK	150	90	BDTH	D	24
2	500	230-240	P28s	T28 230-240V	93106486	11 000	3000	T28	-	300	130	BDTH	C	12
3	500	240	GY9.5	CP82 FRJ 240V	93106499	12 500	3200	CP82	FRJ	150	90	BDTH	C	24
3	500	230-240	GY9.5	T18 GCW 230- 240V	93106500	11 000	3050	T18	GCW	400	90	BDTH	C	24
3	500	230	GY9.5	CP82 FRH 230V	93106501	12 500	3200	CP82	FRH	150	90	BDTH	C	24
3	500	120	GY9.5	CP82 FRG 120V	93106502	13 000	3200	CP82	FRG	150	90	BDTH	C	24
3	500	230-240	GY9.5	T25 230-240V	93106505	11 000	3000	T25	GCW	360	90	BDTH	C	24
2	500	230-240	P28s	T17 FKF 230- 240V	93106522	9 500	2950	T17	-	750	130	BDTH	D	12
5	500	120	P28s	BTM 120V	93106539	13 000	3200	-	BTM	150	130	BDTH	C	12
6	500	120	G9.5	EHD 120V	93106551	10 450	2950	-	EHD	2 000	101.6	U	D	24
7	575	115	G9.5	GLC 575W HP 115V	93106463	14 500	3200	-	GLC	300	105	U	D	24
8	600	240	G9.5	GKV LL 240V 600W	93106480	11 000	3000	-	GKV	1 500	105	U	D	24
8	600	230	G9.5	GKV LL 230V 600W	93106481	11 000	3000	-	GKV	1 500	105	U	D	24
8	600	240	G9.5	GKV 600W 240V G9.5	93106482	14 000	3200	-	GKV	250	105	U	C	24
8	600	230	G9.5	GKV 600W 230V G9.5	93106483	14 000	3200	-	GKV	250	105	U	C	24
10	650	230	GX9.5	CP23 230V	93106459	16 900	3200	CP23	-	100	110	BDTH	C	12
10	650	230-240	GX9.5	T12 230-240V	93106468	13 500	3000	T12	-	750	110	BDTH	D	12
8	650	230-240	G9.5	FKR 230-240V	93106485	15 000	3100	-	FKR	300	105	U	C	24
10	650	230-240	GX9.5	CP23 230-240V	93106490	16 900	3200	CP23	-	100	110	BDTH	C	12
3	650	230-240	GY9.5	CP89 FRM 230- 240V	93106496	16 250	3200	CP89	FRM	150	90	BDTH	C	24
3	650	120	GY9.5	CP89 FRK 120V	93106497	16 900	3200	CP89	-	200	90	BDTH	C	24
3	650	230-240	GY9.5	T26 GCS 230- 240V	93106498	15 500	3100	T26	GCS	400	90	BDTH	C	24
3	650	230-240	GY9.5	T27 230-240V	93106504	14 500	3050	T27	GCS	400	90	BDTH	C	24
2	650	230-240	P28s	T13 FKB 230- 240V	93106521	13 500	3000	T13	-	750	130	BDTH	D	12
11	650	230-240	G22	CP39 FKH 230- 240V	93106534	16 900	3200	CP39	FKH	100	140	BDTH	C	12
6	750	120	P28s	BTN-Q750T7/CL/2P 120	93106542	17 600	3050	-	BTN	500	121	BDTH	C	12
6	750	120	G22	EGR-Q750T7/4CL 120	93106549	21 000	3200	-	EGR	200	127	BDTH	C	12
13	750	120	G9.5	EHG Q750/CL/TP 750W 120V	93106553	16 500	3000	-	FLK	300	105	U	E	24
14	800	230-240	G9.5	GKV 800W 230-240V	93106469	20 000	3200	HX800	-	250	105	U	C	24



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

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



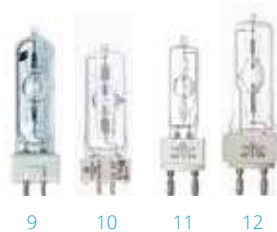
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Model	Wattage (W)	Volts	Cap	Product description	Tungsramp Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Outer qty
Single Ended Halogen														
1	5000	240	G38	HX5000 240V	93106388	133 000	3200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



Wattage (W)	Volts	Cap	Product description	Tungsramp Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer quantity	Model
Discharge - Single Ended Cold Start													
575	95	GX9.5	CSR575/2/SE	93106220	48 000	7800	1 000	125	U	A	632.50	10	10
575	97	GX9.5	CSR575/2/SE	93110788	46 000	7200	1 000	125	U	A	632.50	10	10
700	70	G22	CSR700/2/SE	93106385	55 000	6500	1 000	155	U	A	770.00	10	11
1200	100	G22	CSR1200/2/SE	93106384	110 000	7000	800	175	U	A+	1320.00	6	12
1700	85	PG28	CSR1700/TAL/60/PGJX28	93108711	150 000	6000	750	123	U	-	-	-	-



Model	Wattage (W)		Product description	Tungram 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
		Volts															
PAR 36																	
1	30	12.8	4405 12.8V	93106400	-	-	Screw Term.	100	50 000	VNSP	6X5	-	69.8	114.3	Exempt	12	
2	30	6.4	4515 6.4V	93106411	-	-	Screw Term.	100	55 000	VNSP	5X5	-	69.8	114.3	E	31.58	12
1	50	12	50PAR36/WFL 12V	93106410	-	-	Screw Term.	2 000	1 300	WFL	48X41	36x28	69.8	114.3	E	51.98	12
1	100	28	4594 28.0V	93106401	-	-	Screw Term.	300	70 000	NSP	13X7	-	69.8	114.3	Exempt	12	
3	250	28	4596 28.0V	93106402	3000	-	Screw Term.	25	150 000	NSP	11X12	-	69.8	114.3	Exempt	12	
1	650	120	DWE Q650PAR36/1 120V	93106412	3200	DWE	Screw Term.	100	24 000	MFL	-	40X30	69.8	114.3	D	692.40	12
PAR 46																	
4	250	28	4553 28.0V	93106414	-	-	Screw Term.	25	300 000	SP	-	11X12	95.2	146	Exempt	12	
PAR 56																	
5	300	240	300PAR56/NSP 240V	93106408	-	-	ExMogEndPr GX16d	2 000	40 000	NSP	-	-	127	177.8	E	285.58	12
5	300	240	300PAR56/MFL 240V	93106406	-	-	ExMogEndPr GX16d	2 000	30 000	MFL	-	-	127	177.8	E	285.58	12
5	300	240	300PAR56/WFL 240V	93106407	-	-	ExMogEndPr GX16d	2 000	10 000	WFL	-	-	127	177.8	E	285.58	12
5	200	30	200PAR 30V	93106413	-	-	Screw Terminals	350	270 000	SP	-	9X9	127	177.8	Exempt	12	
5	300	230	300PAR56/MFL 230V	93106403	-	-	ExMogEndPr GX16d	2 000	30 000	MFL	-	-	127	177.8	E	293.19	12
5	300	230	300PAR56/NSP 230V	93106404	-	-	ExMogEndPr GX16d	2 000	40 000	NSP	-	-	127	177.8	E	293.19	12
5	300	230	300PAR56/WFL 230V	93106405	-	-	ExMogEndPr GX16d	2 000	10 000	WFL	-	-	127	177.8	E	293.19	12
5	300	12	300PAR56/WFL 12V	93106399	-	-	Screw Terminals	1 000	13 000	WFL	-	-	127	177.8	C	309.51	12
5	300	12	300PAR56 WFL 12V POOL BULK PACK	93106398	-	-	Screw Terminals	1 000	13 000	WFL	-	-	127	177.8	C	309.42	12



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2

3

4

5

Wattage (W)		Product description	Tungsum 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	Model
Volts																	
PAR 64																	
250	28	4552 28.0V	93106415	-	-	Screw Terminals	25	500 000	SP	-	7X8	152.4	203.2	Exempt	12	6	
500	230	500PAR64/WFL 230V	93106409	2700	-	ExMogEndPr GX16d	2 000	-	WFL	42X20	55X32	152.4	203.2	E	504.90	12	7
500	230	CP86 - Q500PAR64/VNSP 230V	93106666	3200	CP86	GX16d	300	240 000	VNSP	16x13	10x7	152.4	203.2	D	496.62	6	7
500	240	CP86 - Q500PAR64/VNSP 240V	93106679	3200	CP86	GX16d	300	240 000	VNSP	16x13	10x7	152.4	203.2	C	507.66	6	7
500	230	CP87 - Q500PAR64/NSP 230V	93106680	3200	CP87	GX16d	300	140 000	NSP	19x16	11x9	152.4	203.2	D	499.88	6	7
500	240	CP87 - Q500PAR64/NSP 240V	93106681	3200	CP87	GX16d	300	140 000	NSP	19x16	11x9	152.4	203.2	C	512.64	6	7
500	230	CP88 - Q500PAR64/MFL 230V	93106682	3200	CP88	GX16d	300	65 000	MFL	32x19	21x10	152.4	203.2	D	498.86	6	7
500	240	CP88-Q500PAR64/MFL 240V	93106683	3200	CP88	GX16d	300	65 000	MFL	32x19	21x10	152.4	203.2	C	498.86	6	7
600	28	Q4559X 28.0V	93106416	-	-	Screw Terminals	100	765 000	SP	11x7.5	-	152.4	203.2	Exempt	12	7	
1000	230	SUPER CP60 EXC VNS 230V	93106669	3200	CP60	GX16d	300	352 000	VNSP	20x17	12x9	152.4	203.2	C	1024.70	6	7
1000	240	EXG PAR64/1000W/240V/WFL	93106670	3200	-	ExMogEndPr GX16d	300	49 300	WFL	59X36	44X22	152.4	203.2	C	1006.14	6	7
1000	230	EXG PAR64/1000W/230V/WFL	93106671	3200	-	ExMogEndPr GX16d	300	49 300	WFL	59X36	44X22	152.4	203.2	C	995.78	6	7
1000	240	CP95 240V	93106672	3200	CP95	ExMogEndPr GX16d	300	15 000	VWFL	125X95	70X70	152.4	203.2	C	999.82	6	7
1000	230	SUPER CP61 EXD NS 230V	93106674	3200	CP61	GX16d	300	297 000	NSP	22x20	14x10	152.4	203.2	C	1030.70	6	7
1000	240	SUPER CP62 EXE MF 240V	93106675	3200	CP62	GX16d	300	138 000	MFL	38x20	24x11	152.4	203.2	C	1037.14	6	7
1000	230	SUPER CP62 EXE MF 230V	93106676	3200	CP62	GX16d	300	138 000	MFL	38x20	24x11	152.4	203.2	C	1061.92	6	7
1000	240	SUPER CP61 EXD NS 240V	93106677	3200	CP61	GX16d	300	297 000	NSP	22x20	14x10	152.4	203.2	C	1039.92	6	7
1000	240	SUPER CP60 EXC VNS 240V	93106678	3200	CP60	GX16d	300	352 000	VNSP	20x17	12x9	152.4	203.2	C	1036.20	6	7

Wattage (W)	Volts	Product description	Tungram 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	Model
CSI / CID / CSS																		
1000	80	CSI1000/PAR64/G38	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	93117337	3200	CP61	G22	5500 ±400	70 000	500	-	-	-	BDTH	-	A	1100.00	6	-
1000	80	CSI1000/G22 99-02	93117338	3200	CP60	G22	4000 ±400	90 000	500	-	-	-	VBD ±90	-	A+	1100.00	6	-
1000	80	CSI1000/PAR64/HR/ G38 99-1422	93117339	3200	GFC	G38	3800 ±500	76 000	3 500	-	18	6	U	1 350 000	C	1288.85	6	-



6

7

Model	Wattage (W)	Volts	Cap	Product description	Tungsramp Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Application	Length (mm)	Operating position	EEC	Energy Con- sumption (kWh)	Outer qty
Projection, Printing, Photography																
-	1000	120	G38	MBI800/U SBL2 91-9830 CALMAT	93117205	UV output only	-	-	400	-	175	U **	-	-	-	6
-	1000	120	G38	GRAPHX MBI 400-2000/U/ SB 91-9835 CALM	93106667	UV output only	-	-	500	-	175	U **	-	-	-	6
1	300	230-240	G6.35	A1/249 230-240V	93106518	7 200	-	A1/249	-	50	-	62	BDTH	C	300.35	50
1	150	230-240	G6.35	A1/248 230-240V	93106519	3 000	-	A1/248	-	50	-	62	BDTH	D	152.55	50
2	500	230-240	GY9.5	A1/244 230-240V	93106495	13 000	-	A1/244	-	75	-	62	BDTH	C	507.25	24
-	1000	110	Two right- angle lugs	A1/248 230-240V	93117336	-	3000	-	-	400	-	110	U	-	-	6

** universal, providing electrode axis remains horisontal

Model	Wattage (W)	Volts	Cap	Product description	Tungsramp Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Application	Length (mm)	Operating position	EEC	Energy Con- sumption (kWh)	Outer qty
Single Ended Tungsten Halogen																
3	250	24	G6.35	M36 24V 250W GY6.35	93106531	5 750	3000	M36	-	2 000	-	58	BDTH	C	270.07	100
4	300	230-240	GY9.5	M38 230-240V	93106477	5 000	2900	M38	-	2 000	-	80	BDTH	E	297.52	24
5	500	230-240	GY9.5	M40 230-240V	93106503	8 500	2900	M40	-	2 000	-	85	BDTH	E	495.25	24



SKU	Tungsramp	Osram	Philips
Discharge - Single Ended Hot Restrike			
48461	CSR125/SE/HR	HMI125W	MSR125/HR
93011465	CSR200/SE/HR/UV-C	HMI200W/SE	MSR200/HR
93011463	CSR800/SE/HR/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	-
Discharge - Single Ended Cold Start			
10744	CSD 250/2 SE	HSD250/80	MSD250/2
49492	CSR575/2/T/SE	HSR575/2	MSR575/2
49491	CSR700/2/SE	HSR700/2	MSR700/2
49490	CSR1200/2/SE	HSR1200/2	MSR1200/2
Discharge - CSR Turn and Lock (TAL)			
78718	CSR700/TAL/PJX28	HTI 700W/75/P28	MSR 700/2 MiniFastFit
Discharge - Double Ended Hot Restrike			
45231	CSR575/SS/DE/75	-	-
22493	CSR700/S/DE/60	HTI700W/D4/60	-
41357	CSR700/S/DE/72	HTI700W/D4/75	MSR700/SA/2/DE
21849	CSR 1200/SA	HTI1200W/SE	MSR1200/SA



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



400W
Lamp volts: 110V
Current: 4.3A
Wattage: 420W
100 h lumens: 56 500
100 h PAR: 710 µmole/sec
Packing: 12 or 63



600W
Lamp volts: 115V
Current: 6.0A
Wattage: 615W
100 h lumens: 90 000
100 h PAR: 1080 µmole/sec
Packing: 12 or 63



750W
Lamp volts: 115V
Current: 7.4A
Wattage: 755W
100 h lumens: 112 000
100 h PAR: 1320 µmole/sec
Packing: 12 or 63

Single Ended 230V



600W EL
Lamp volts: 200V
Current: 3.6A
Wattage: 620W
100 h lumens: 85 000
100 h PAR: 1120 µmole/sec
Packing: 12 or 63
(Electronic ballast)



750W EL
Lamp volts: 205V
Current: 4.4A
Wattage: 765W
100 h lumens: 104 000
100 h PAR: 1390 µmole/sec
Packing: 12 or 63
(Electronic ballast)

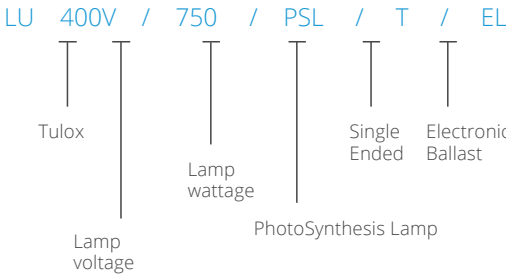
Single Ended 400V

Volts	Current (A)	Wattage (W)	Product Description	TU Product Code	Max Length (mm)	Arc gap (mm)	LCL C (mm)	Diameter (mm)	Cap	100 hour lumens (Lumens)	100 hour PAR (µmole/sec)	Bulb glass	Operating position	Model
230V - E40 Cap														
115	2.7	250	LU250W/PSL/T/E40	93104708	260	64	158	48	E40/45	33 000	430	Hard	Universal	1
110	4.3	420	LU400W/PSL/T/E40	93104613	292	87	175	48	E40/45	56 500	710	Hard	Universal	2
115	6.0	615	LU600W/PSL/T/E40	93104614	292	125	169	48	E40/45	90 000	1080	Hard	Universal	1
115	7.4	755	LU750W/PSL/T/E40	93104615	293	130	178	51	E40/45	112 000	1320	Hard	Universal	3
400V - E40 Cap														
200	3.6	620	LU400V/600W/PSL/T/E40/EL	93104685	292	124.5	169	48	E40/45	85 000	1120	Hard	Universal	4
205	4.4	765	LU400V/750W/PSL/T/2/E40/ EL 1/12	93104661	293	143	175	51	E40/45	104 000	1390	Hard	Universal	3



Product Description - explanation

For further information check the glossary



1 2 3 4



Quartz Heat

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

Industrial Heating



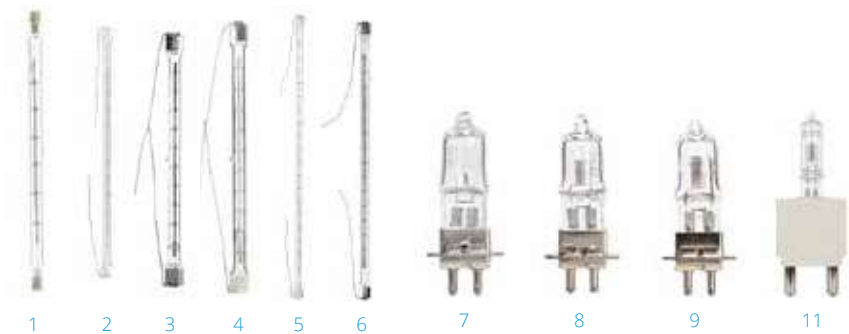
Airfield

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

Airfield

Wattage (W)	Volts	Cap	Product Description	Tungram Product Code	CCT (K)	Rated life (h)	Length (mm)	Pack Qty	Model
Quartz Heat									
500	120	R7S	QH500T3/CL/7	93106443	2400	5 000	220.5	12	1
1000	230-250	Slv	QH1000T3/CL	93106444	2400	5 000	351	12	2
1200	144	Slv	QH1200T3/CL	93106445	2450	5 000	223.8	12	3
1200	144	Slv	QH1200T3/CL/HT	93106446	2450	5 000	223.8	12	4
1600	230-250	Slv	QH1600T3/CL	93106447	2400	5 000	503	12	5
2000	230-250	Slv	QH2M/T3/CL/HT	93110351	2450	5 000	350.8	12	6
2500	460-500	Slv	QH2500T3/CL	-	2400	5 000	731	12	5
2500	400	Special	QH2500MT3/CL/HT/R	93110352	2450	5000	381.5	12	-
3000	400	Special	QH3MT3/CL/HT/R	93110353	2450	5000	381.5	12	-
3800	550-600	Slv	QH3800/CL	-	2500	5 000	1062	6	-

Wattage (W)	Volts	Cap	Product Description	Tungram Product Code	Lumen (lm)	Rated life (h)	Length (mm)	Pack Qty	Model
Aircraft and airfield Lighting									
100	10	Special	1978X 10	93106457	1634	2000	54.6	10	-
100	28	Special	1970X 28	93106458	1700	1000	57.1	10	-
45	6.6A	Mycalex cap & Prefocus collar	AF6/2 6.6A 45W	93106462	760	600	54	100	7
100	6.6A	Mycalex cap & Prefocus collar	AF 6/5T 6.6A 100W	93106461	2 100	600	60	100	8
200	6.6A	Mycalex cap & Prefocus collar	AF7/2 6.6A 200W	93106460	4 800	600	54	100	9
1000	120	G38 Mog BiPost	IM T20BP	93106532	22 000	500	241	12	10

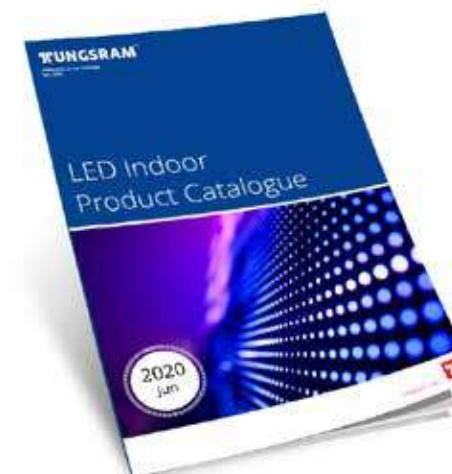


Bright Smart Future

Tungsum is shaping the future of urban living providing technology-driven, smart, sustainable solutions for large metropolitan areas using lighting as a platform.

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



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