

TUNGSRAM™

Innovation is our heritage
EST. 1896

TRADITIONAL LAMPS

Product Catalogue



2022



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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 (CerMH) lamps, through 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.



A hand is shown holding a glowing blue grid of light points, which appears to be a representation of a high intensity discharge lamp. The grid is composed of many small, bright blue dots arranged in a regular pattern, and it is illuminated from below, creating a strong blue glow. The background is dark, making the glowing grid stand out prominently.

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 (CerMH), Quartz Metal Halide (QMH) and Tulox High Pressure Sodium (HPS) technologies.

CerMH

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. CerMH 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 CerMH 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 CerMH?

- 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 CerMH 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. We work closely with customers and offers a list of top ballast manufacturers. The CerMH 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.

CerMH Standard

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



CerMH Premium

Developed for the retail environment with enhanced colour and improved lumen maintenance.

CerMH StreetWise



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

CerMH Indoors
– innovative lighting solutions for retail and more

Combining great performance and best-in-class rated life, CerMH 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 Premium?

- 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 CerMH Premium 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 electronic ballasts

CerMH Outdoors
– efficient white lighting for streets and roadways

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

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

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



The CerMH 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 CerMH 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.



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

ENERGY EFFICIENCY CLASS (A-G)*



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 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 Ultra, Ultra White and Standard (T)

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



Double Ended (TD)

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



Open Rated Elliptical

Cap: E27
Wattages: 150W
Colours: 942
Finish: Clear
Rated life: 15 000 h



Elliptical

Cap: E40
Wattages: 250W
Colours: 830
Finish: Diffuse
Rated life: 24 000 h



StreetWise

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



Tubular

Cap: E40
Wattages: 150 - 400W
Colours: 830, 842, 942
Finish: Clear
Rated life: 15 000 - 24 000 h

CerMH (Ceramic Metal Halide) GU6.5, TC, T, TD

CerMH (Ceramic Metal Halide) Elliptical and Tubular



MR16

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: 35W
Colours: 830
Rated life: 10 000h
Beam spread: 10 - 25°



PAR30

Cap: E27
Wattages: 35 - 70W
Colours: 830, 942
Rated life: 10 000 - 13 000 h
Beam spread: 10 - 40°



Double Ended

Cap: RX7s/-24 - 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
Rated life: 6 000 h



Tubular

Cap: E40
Wattages: 250 - 400W
Colours: 4200 - 7500K
CRI: 70 - 90+
Finish: Clear
Rated life: 10 000 - 12 000 h



Elliptical

Cap: E40
Wattages: 250W
Colours: 6000K
CRI: 90
Finish: Diffuse
Rated life: 12 000 h

CerMH (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: 400 - 1000W
 Colours: 3700 - 4000K
 CRI: 65 - 70
 Finish: Clear or Diffuse
 Rated life: 10 000 - 20 000 h



Linear

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



Tubular Clear

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



Internal Ignitor

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

MVR Lamp Operates from CWA Control Gear

Sportlight Metal Halide For sports and floodlighting



Tubular

Cap: E40
 Wattages: 400W
 Colours: 6000K & 7500K
 CRI: 90
 Finish: Clear
 Rated life: 14 000 h



Elliptical

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

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



Tulox XO Superlife

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



Tulox XO Superlife Elliptical

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

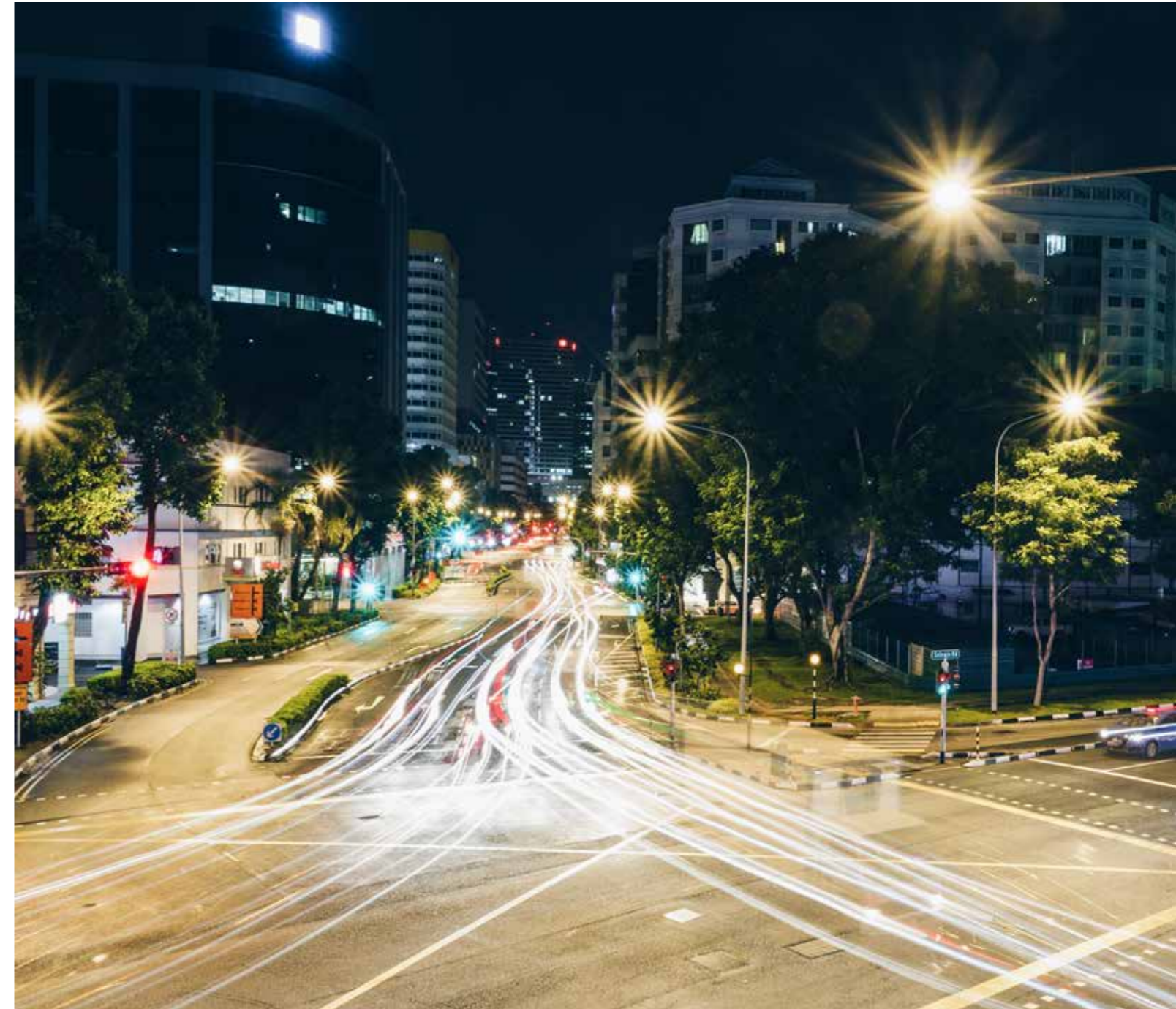
Cap: E27, E40
 Wattages: 70 - 1000W
 Finish: Tubular Clear or Elliptical Diffuse
 Rated life: 24 000 - 28 500 h



Tulox Internal Ignitor

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

Tulox High Pressure Sodium



Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Colour	Operating position	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
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CerMH Supermini

20	95	GU6.5	CMH20/TC/UVC/830/GU6.5	93095259	1600	830	U	12 000	52	13	20	G	12	1
39	93	GU6.5	CMH35/T/UVC/930/U/GU6.5 PRECISE	93095260	4100	930	U	18 000	52	13	39	F	12	1
38.4	90	GU6.5	CMH35/T/UVC/930/GU6.5	93095261	3400	930	U	10 000	52	13	39	G	12	1
38.5	95	GU6.5	CMH35/T/UVC/942/GU6.5	93095262	3400	942	U	12 000	52	13	39	G	12	1

CerMH Single Ended Mini

19.8	90	G8.5	CMH20/TC/UVC/U/830/G8.5 PLUS	93095263	1600	830	U	12 000	85	15	20	G	12	2
39.5	90	G8.5	CMH35/T/UVC/U/830/G8.5 PLUS	93095264	3500	830	U	16 500	85	15	40	G	12	2
40.2	90	G8.5	CMH35/TC/UVC/U/942/G8.5	93095366	3400	942	U	18 000	85	15	41	G	12	2
39	90	G8.5	CMH35/TC/UVC/U/930/G8.5 PRECISE	93095368	4100	930	U	18 000	85	15	39	F	12	2
73.1	90	G8.5	CMH70/TC/UVC/U/942/G8.5	93095367	6400	942	U	15 000	85	15	74	G	12	2
72	85	G8.5	CMH70/TC/UVC/U/830/G8.5 PLUS	93095265	7200	830	U	15 000	85	15	72	F	12	2
73	85	G8.5	CMH70/TC/UVC/U/930/G8.5 PRECISE	93095369	7900	930	U	18 000	85	15	73	F	12	2

CerMH Single Ended

19.8	92	G12	CMH20/T/UVC/U/830/G12 PLUS	93095370	1600	830	U	12 000	90	15	20	G	12	3
39.4	90	G12	CMH35/T/UVC/U/830/G12 PLUS	93095371	3500	830	U	16 500	90	15	40	G	12	3
39	90	G12	CMH35/T/UVC/U/930/G12 PRECISE	93095377	4100	930	U	18 000	90	15	39	F	12	3
40.5	90	G12	CMH35/T/UVC/U/942/G12	93095374	3500	942	U	18 000	90	15	41	G	12	3
72	85	G12	CMH70/T/UVC/U/830/G12 PLUS	93095372	7000	830	U	15 000	90	20	72	F	12	3
72.8	90	G12	CMH70/T/UVC/U/942/G12	93095376	6500	942	U	15 000	90	20	73	G	12	3
73	85	G12	CMH70/T/UVC/U/930/G12 PRECISE	93095378	8000	930	U	18 000	90	20	73	F	12	3
145.7	93	G12	CMH150/T/UVC/U/830/G12	93095373	15000	830	U	12 000	100	20	146	F	12	3
149.3	93	G12	CMH150/T/UVC/U/942/G12	93095375	12300	942	U	12 000	100	20	150	G	12	3

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

38.2	90	RX7s	CMH35/TD/UVC/830/RX7s	93102197	3200	830	HOR±45°	15 000	118	21	39	G	12	4
73.4	95	RX7s	CMH70/TD/UVC/830/RX7s	93102188	6500	830	HOR±45°	15 000	118	21	74	G	12	4
72.2	90	RX7s	CMH70/TD/UVC/942/RX7s	93102191	6200	942	HOR±45°	15 000	118	21	73	G	12	4
144.3	96	RX7s-24	CMH150/TD/UVC/830/RX7s-24	93102189	14500	830	HOR±45°	15 000	136	23	145	F	12	4
141.1	96	RX7s-24	CMH150/TD/UVC/942/RX7s-24	93102190	13700	942	HOR±45°	15 000	136	23	142	F	12	4

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Beam Angle (°)	Colour	Operating position	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
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CerMH MR16

19.8	95	GX10	CMH20/MR16/UVC/830/GX10/SP	93102192	900	12	830	U	12 000	54.5	51	20	G	12	5
19.7	95	GX10	CMH20/MR16/UVC/830/GX10/FL	93102193	800	25	830	U	12 000	54.5	51	20	G	12	5
19.8	95	GX10	CMH20/MR16/UVC/830/GX10/WFL	93102196	900	40	830	U	12 000	54.5	51	20	G	12	5
39.2	93	GX10	CMH35/MR16/U/930/GX10/SP PRECISE	93102207	2100	12	930	U	18 000	54.5	51	40	G	12	5
39.2	93	GX10	CMH35/MR16/U/930/GX10/FL PRECISE	93102208	2100	25	930	U	18 000	54.5	51	40	G	12	5
39.2	93	GX10	CMH35/MR16/U/930/GX10/WFL PRECISE	93102209	2600	40	930	U	18 000	54.5	51	40	G	12	5
38.4	90	GX10	CMH35/MR16/UVC/930/GX10/SP	93102224	2100	12	930	U	10 000	54.5	51	39	G	12	5
38.3	90	GX10	CMH35/MR16/UVC/930/GX10/FL	93102225	2000	25	930	U	10 000	54.5	51	39	G	12	5
38.4	90	GX10	CMH35/MR16/UVC/930/GX10/WFL	93102226	2000	40	930	U	10 000	54.5	51	39	G	12	5
38.4	90	GX10	CMH35/MR16/UVC/942/GX10/SP	93102227	2000	12	942	U	12 000	54.5	51	39	G	12	5
38.4	90	GX10	CMH35/MR16/UVC/942/GX10/FL	93102228	1900	25	942	U	12 000	54.5	51	39	G	12	5
38.4	90	GX10	CMH35/MR16/UVC/942/GX10/WFL	93102229	1900	40	942	U	12 000	54.5	51	39	G	12	5

CerMH AR111

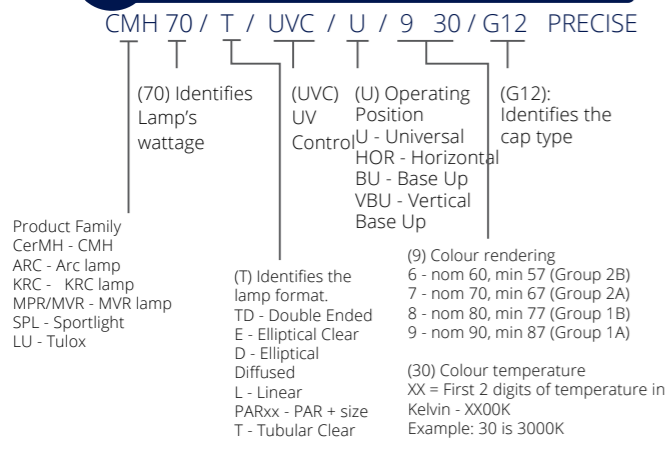
39	87	GX8.5	CMH35/R111/UVC/930/GX8.5/SP10	93104711	1600	10	930	U	12 000	95	111	39	G	6	6
39	87	GX8.5	CMH35/R111/UVC/930/GX8.5/FL24	93104712	2000	24	930	U	12 000	95	111	39	G	6	6
39	87	GX8.5	CMH35/R111/UVC/930/GX8.5/FL40	93104713	2000	40	930	U	12 000	95	111	39	G	6	6
73	95	GX8.5	CMH70/R111/UVC/930/GX8.5/SP10	93104714	2800	10	930	U	12 000	95	111	73	G	6	6
73	95	GX8.5	CMH70/R111/UVC/930/GX8.5/FL24	93104715	3600	24	930	U	12 000	95	111	73	G	6	6
73	95	GX8.5	CMH70/R111/UVC/930/GX8.5/FL40	93104716	3600	40	930	U	12 000	95	111	73	G	6	6

CerMH PAR 20

38.8	90	E27	CMH35/PAR20/UVC/830/E27/SP10	93104651	2200	10	830	U	10 000	92	64	39	G	15	7
38.8	90	E27	CMH35/PAR20/UVC/830/E27/FL25	93104652	2200	25	830	U	10 000	92	64	39	G	15	7

Product Description - explanation

For further information check the glossary



High Intensity Discharge Lamps

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Beam Angle (°)	Colour	Operating position	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
CerMH PAR 30															
39.5	90	E27	CMH35/PAR30/UVC/830/E27/SP10	93104653	2400	10	830	U	10 000	124	95.5	40	G	6	1
39.4	90	E27	CMH35/PAR30/UVC/830/E27/FL25	93104654	2400	25	830	U	10 000	124	95.5	40	G	6	1
39.6	90	E27	CMH35/PAR30/UVC/942/E27/FL25	93104668	2200	25	942	U	10 000	124	95.5	40	G	6	1
74.3	90	E27	CMH70/PAR30/UVC/830/E27/FL40	93104649	4400	40	830	U	13 000	124	95.5	75	G	6	1
75.1	90	E27	CMH70/PAR30/UVC/942/E27/FL40	93104691	4000	40	942	U	10 000	124	95.5	76	G	6	1

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Colour	Operating position	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
CerMH Elliptical Clear, Open Rated														
148.4	96	E27	CMH150/UVC/O/U/942/E27/C	93102198	12700	942	U	15000	137	55	149	G	6	2
CerMH Elliptical Diffuse														
263.1	107	E40	CMH250/E/UVC/U/830/E40/D	93102160	23800	830	U	24000	226	91	264	G	12	3
CerMH Tubular Clear StreetWise														
54.5	87	E27	CMH50/TT/UVC/U/730/E27 STREETWISE	93102245	5500	730	U	24000	156	37	55	F	12	5
72	95	E27	CMH70/TT/UVC/U/730/E27 STREETWISE	93102211	7300	730	HOR +/- 15°	24000	156	37	72	F	12	5
98	100	E40	CMH100/TT/UVC/U/730/E40 STREETWISE	93102210	10500	730	VBU	24000	209	48	98	F	12	5
150	100	E40	CMH150/TT/UVC/U/730/E40 STREETWISE	93102212	16300	730	U	24000	209	48	150	F	12	5
CerMH Tubular Clear														
145.7	95	E40	CMH150/UVC/T/U/842/E40	93102170	15000	842	U	15000	209	48	146	F	12	6
262	110	E40	CMH250/TT/UVC/U/830/E40	93102159	25000	830	U	24000	253	48	262	F	12	6
259.6	107	E40	CMH250/T/U/942/E40	93102206	26000	942	U	24000	253	48	260	F	12	6
413	110	E40	CMH400/TT/UVC/U/830/E40	93102166	41600	830	U	24000	270	59	413	F	12	6



Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
ARC Lamp Double Ended UVC															
75	95	RX7s	ARC70/UVC/TD/730/Rx7s	93102183	5500	3000	78	HOR±45°	6000	118	21	75	G	12	7
75	95	RX7s	ARC70/UVC/TD/742/Rx7s	93102185	5500	4200	78	HOR±45°	6000	118	21	75	G	12	7
150	95	RX7s-24	ARC150/UVC/TD/732/Rx7s-24	93102182	12000	3200	70	HOR±45°	8000	136	23	150	G	12	7
150	95	RX7s-24	ARC150/UVC/TD/742/Rx7s-24	93102184	12000	4200	70	HOR±45°	8000	136	23	150	G	12	7
ARC Lamp Double Ended RG-3															
250	100	Fc2	ARC250/TD/832/Fc2	93102173	20000	3200	75	HOR±45°	8000	163	25	250	G	12	8
250	100	Fc2	ARC250/TD/842/Fc2	93102174	20000	4200	75	HOR±45°	8000	163	25	250	G	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°	6000	138	23	not in scope	-	12	9
ARC Lamp Tubular Clear															
272.3	112	E40	ARC250/T/H/960/E40**	93102178	19200	6000	90	HOR±45°	10000	219	48	-	-	12	10
268.8	112	E40	ARC250/T/VBU/960/E40**	93102179	19300	6000	90	VBU±45°	10000	219	48	-	-	12	10
268.1	112	E40	ARC250/T/H/742/E40**	93102194	22700	4200	70	VBU±15°	10000	219	48	-	-	12	10
260	105	E40	ARC250/T/UVC/H/970/E40	93102247	16000	7500	90	HOR±45°	12000	219	48	260	G	12	10
403.8	105	E40	ARC400/T/H/742/E40**	93102195	35300	4200	70	HOR±15°	10000	260	48	-	-	12	10
ARC Lamp Elliptical Diffuse															
268	100	E40	ARC250/D/VBU/960/E40**	93102180	17100	6000	90	VBU±45°	12000	226	91	268	G	12	11
MVR Lamp Elliptical Clear															
400	135	E40	MVR400/U/40	93102218	39600	4000	65	U	20000	291	121	400	F	6	12
1000	245	E40	MVR1000/U/40	93104704	105900	4000	64	U	15000	383	172	not in scope	-	6	12
1000	245	E39	MVR1000/U**	93104703	105900	4000	64	U	15000	383	172	-	-	6	12
1000	263	E39	MVR1000/U/BT37**	93104646	115000	3700	65	U	9000	289	121	-	-	6	12
1500	268	E39	MVR1500/U/SPORTS**	93104670	170000	4000	65	U	3000	383	182	-	-	6	12

**Not CE compliant product
 Operating from CWA control gear.
 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

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
KRC Lamp Tubular Clear															
380.4	118	E40	KRC400/T/H/960/E40**	93102172	26100	6000	90	HOR±45°	14 000	270	59	-	-	12	1
370	130	E40	KRC400/T/H/970 /E40	93102246	25000	7500	90	HOR±45°	14 000	270	59	370	G	12	1
368	122	E40	KRC400/T/VBU/960/E40**	93102177	26500	6000	90	VBU±45°	14 000	270	59	-	-	12	1
KRC Lamp Elliptical Diffuse															
368.8	122	E40	KRC400/D/UVC/VBU/960/E40**	93102161	23300	6000	90	VBU±45°	14000	270	121	-	-	1	2
Sportlight Linear															
1520	250	RX7SM	SPL1500/L/H/652/Rx7SM	93102167	119600	5200	65	HOR±15°	6 000	256	20	not in scope		1	3
2126.7	230	spec.	SPL2000/L/H/651/SPEC	93102168	178400	5100	65	HOR±15°	6 000	311	26	not in scope		1	3
Sportlight Tubular Clear															
1042.8	120	E40	SPL1000/T/H/960/E40	93102230	84500	6000	93	HOR±60°	8 000	334	66	not in scope		4	4
1900	125	E40	SPL2000/220V/T/H/640/E40	93102187	180000	4000	65	HOR±75°	2 000	429	103	not in scope		4	4
2086.2	230	E40	SPL2000/380V/T/H/960/E40	93102175	171200	6000	93	HOR±60°	5 000	429	103	not in scope		4	4
Sportlight Internal Ignitor															
2083.6	225	E40	SPL2000/380V/I/T/H/960/E40	93102176	170000	6000	93	HOR±60°	5 000	429	103	not in scope		4	4
1983.8	230	E40	SPL2000/380V/I/T/H/640/E40	93102181	177200	4000	65	HOR±75°	5 000	429	103	not in scope		4	5

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).
 ** not CE complaint product

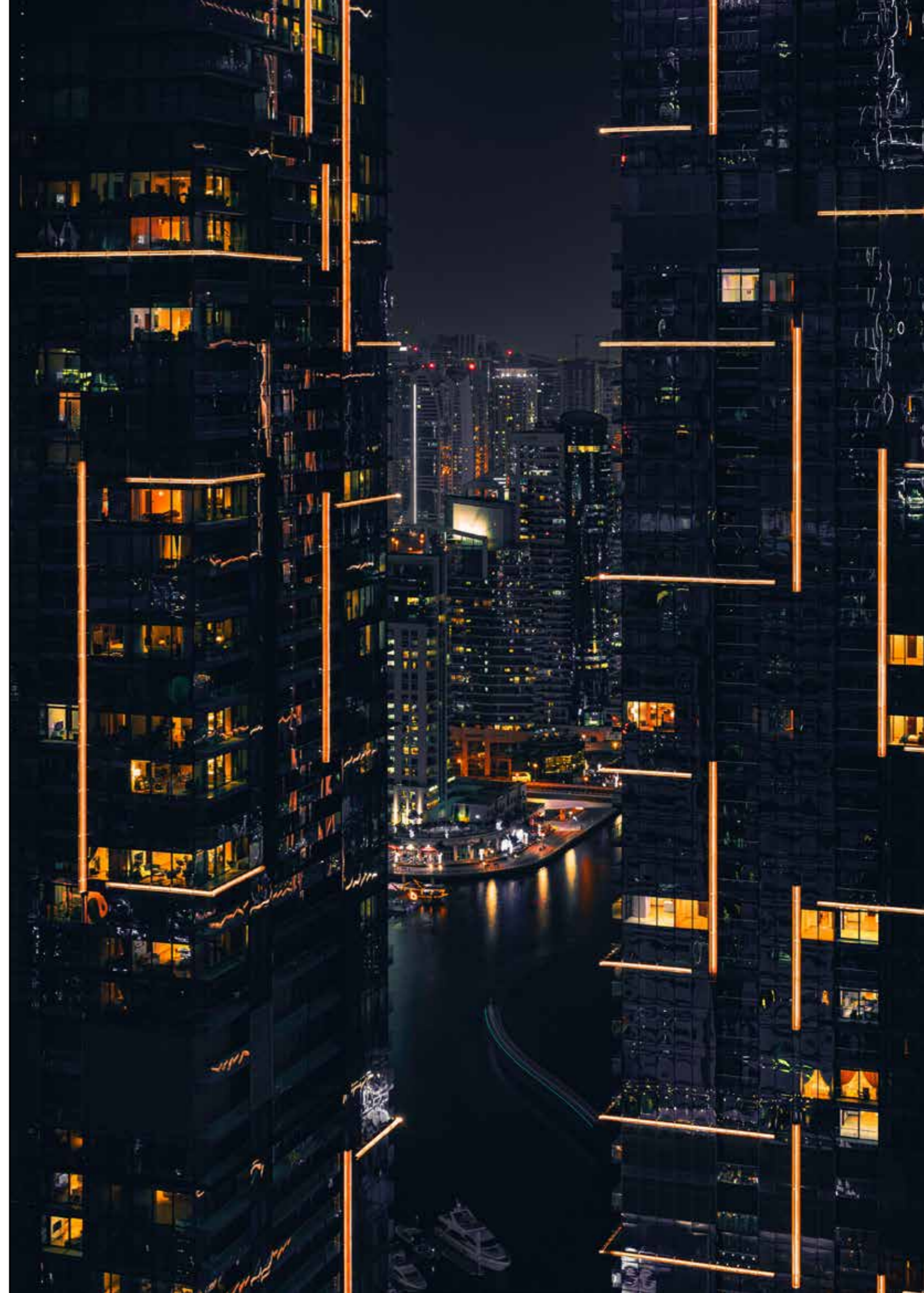
Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Tulox XO Superlife Tubular Clear															
75.5	90	E27	LU 70/XO/SBY/T/E27	93102223	6600	2100	25	U	50 000	156	37	76	G	25	6
100.2	100	E40	LU 100/XO/SBY/T/E40	93102221	10400	2100	25	U	60 000	209	48	101	F	12	6
153.5	100	E40	LU 150/XO/SBY/T/E40	93102213	17200	2100	25	U	60 000	209	48	154	F	12	6
262.4	100	E40	LU 250/XO/SBY/T/E40**	93102214	31500	2100	25	U	55 000	260	48	-	-	12	6
409.6	100	E40	LU 400/XO/SBY/T/E40	93102215	54000	2100	25	U	55 000	277	48	410	E	12	6
Tulox XO Superlife Elliptical Diffuse															
53	85	E27	LU50/85/XO/SBY/D/E27	93102244	3800	2100	25	U	40 000	156	71	53	G	12	7
73	90	E27	LU70/XO/SBY/D/E27	93102222	5900	2100	25	U	50 000	156	71	73	G	12	8
Tulox XO Tubular Clear															
54.2	85	E27	LU50/85/XO/T/27	93102234	4400	2100	25	U	35 000	156	37	55	G	25	8
73.1	90	E27	LU70/90/XO/T/27	93102235	6600	2100	25	U	40 000	156	37	74	G	25	8
101.7	100	E40	LU100/100/XO/T/40	93102236	10700	2100	25	U	40 000	209	48	102	F	12	8
153	100	E40	LU150/150/XO/T/40	93102237	17600	2100	25	U	45 000	209	48	153	F	12	8
259.8	100	E40	LU250/XO/T/40	93102238	33200	2100	25	U	45 000	260	48	260	E	12	8
408	100	E40	LU400/XO/T/40	93102231	56500	2100	25	U	45 000	277	48	408	E	12	8
606.6	115	E40	LU600/XO/T/40	93102232	88800	2100	25	U	32 000	292	48	not in scope		12	8
Tulox XO Elliptical Diffuse															
53	85	E27	LU50/85/XO/D/27	93102200	4100	2100	25	U	35 000	156	71	53	G	12	9
76.2	90	E27	LU70/90/XO/D/27	93102201	6300	2100	25	U	40 000	156	71	77	G	12	9
102	100	E40	LU100/100/XO/D/40	93102239	10200	2100	25	U	40 000	186	77	102	F	12	10
154.7	100	E40	LU150/100/XO/D/40	93102240	17200	2100	25	U	45 000	227	91	155	F	12	10
259.7	100	E40	LU250/XO/D/40	93102241	31500	2100	25	U	45 000	227	91	260	E	12	10
402.7	105	E40	LU400/XO/D/40	93102233	54800	2100	25	U	45 000	292	121	403	E	6	10



T High Intensity Discharge Lamps

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Tulox Standard Tubular Clear ⚠															
70.9	90	E27	LU 70/90/MO/T/E27	93102205	6400	2000	25	U	28500	156	37	71	G	25	2
97.8	100	E40	LU100/100/MO/T/40	93102242	9600	2000	25	U	28500	209	48	98	F	12	1
148.8	100	E40	LU150/100/40**	93102199	15490	2000	25	U	28500	209	48	-	-	12	1
251.6	100	E40	LU250/T/40**	93102171	28750	2000	25	U	28500	260	48	-	-	12	1
392.6	100	E40	LU400/T/40**	93102162	48300	2000	25	U	28500	277	48	-	-	12	1
1000	250	E40	LU1000/40	93102216	127600	2100	22	U	24000	382	81	not in scope	-	6	1
970.1	110	E40	LU1000/110/T/40	93102202	133400	2000	22	U	24000	367	66	not in scope	-	6	1
1000	250	E39	LU1000/ECO**	93104702	127600	2100	22	U	24000	386	81	-	-	6	1
73	90	E27	LU70/90/HO/T/E27 MIC	93102250	6600	2000	22	U	28000	156	39	73	G	6	1
100	100	E40	LU100/100/HO/T/E40 MIC	93102252	10500	2000	25	U	28000	211	48	100	F	4	1
157	100	E40	LU150/100/HO/T/E40 MIC	93102249	17600	2000	21	U	28000	211	48	157	F	25	2
265	100	E40	LU250/100/HO/T/E40 MIC	93102251	33100	2000	21	U	28000	260	48	265	E	12	1
404	100	E40	LU400/HO/T/E40 MIC	93102248	56200	2000	21	U	28000	283	48	404	E	12	1
400	100	E40	LU400/HO/T/E40 GL	93104710	54000	2000	21	U	28500	277	48	400	E	12	1
592.1	105	E40	LU600/HO/T/E40 GL	93104709	84500	2000	21	U	28500	292	48	not in scope	-	12	2
Tulox Standard Elliptical Diffuse ⚠															
70.7	90	E27	LU70/90/MO/D/E27	93104669	6200	2000	25	U	28500	156	71	71	G	12	3
Tulox Internal Ignitor Elliptical Clear ⚠															
72.2	90	E27	LU 70/90/MO/I/E27	93102204	6500	2000	25	U	17500	156	71	73	G	12	3
Tulox Internal Ignitor Elliptical Diffuse ⚠															
71.1	90	E27	LU70/90/MO/D/I/E27	93102203	6000	2000	25	U	17500	165	71	72	G	12	4

**Not CE compliant product



CerMH

Brand cross reference

Tungsram	Osram	Philips
CerMH		
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 ND L 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-T 70W/830 G8.5
CMH70/TC/UVC/U/942/G8.5	HCI-TC 70W/942 ND L 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 ND L 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 ND L 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/ND L 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 ND L 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 ND L 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 ND L PB SP 10D	CDM-R 35W/942 E27 PAR30L10D
CMH35/PAR30/UVC/942/E27/FL25	HCI-PAR30 35W/942 ND L 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 ND L PB SP 10D	CDM-R 70W/942 E27 PAR30L10D

Tungsram	Osram	Philips
CMH70/PAR30/UVC/942/E27/FL40	HCI-PAR30 70W/942 ND L 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 ND L 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 ND L 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 – 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).

- Energy efficient (40-110 LPW)
- Long lasting – low maintenance requirements
- CRI 82-85 and outstanding lumen maintenance
- Excellent light distribution
- Dimmability for further cost/energy savings

ENERGY EFFICIENCY CLASS (A-G)*



LongLast™
T5 High Efficiency
Wattages: 14 - 35W
Colours: Extra Warm
White to Daylight
CRI (Ra): 85
Rated life: 30 000 h



LongLast™
T5 High Output
Wattages: 24 - 80W
Colours: Warm White to Daylight
CRI (Ra): 85
Rated life: 30 000 h



T5 High Efficiency Value
Wattages: 14 - 35W
Colours: Extra Warm
White to Daylight
CRI (Ra): 85
Rated life: 24 000 h



T5 High Output Value
Wattages: 24 - 80W
Colours: Warm White to Daylight
CRI (Ra): 85
Rated life: 24 000 h



T8 Polylux XLR
Wattages: 18 - 58W
Colours: Warm White and
Cool White
CRI (Ra): 80+
Rated life: 15 000 h



T5 Triphosphor Miniature
Wattages: 8 - 13W
Colours: Extra Warm
White to Cool
White
CRI (Ra): 80+
Rated life: 5 000 h



T5 Circular
Wattages: 22 - 55W
Colours: Warm White to Cool White
CRI (Ra): 82
Rated life: 12 000 h



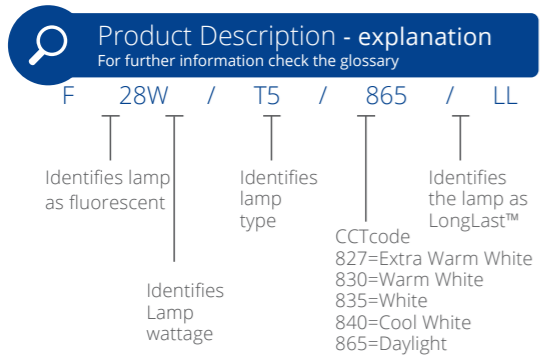
Glow Starters
For wattages: 4 - 125W

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
T5 LongLast™ - High Efficiency, G5 Cap													
14	549	16	F14W/T5/830/LL	93096154	1350	Warm White	3000	85	30000	14	F	30	1
14	549	16	F14W/T8/830/LL/BULK	93108417	1350	Warm White	3000	85	30000	14	F	40	1
14	549	16	F14W/T5/840/LL	93096155	1350	Cool White	4000	85	30000	14	F	30	1
14	549	16	F14W/T8/840/LL/BULK	93108418	1350	Cool White	4000	85	30000	14	F	40	1
14	549	16	F14W/T5/865/LL	93096196	1250	Daylight	6500	85	30000	15	G	30	1
21	849	16	F21W/T5/830/LL	93096197	2100	Warm White	3000	85	30000	21	F	30	1
21	849	16	F21W/T5/840/LL	93096198	2100	Cool White	4000	85	30000	21	F	30	1
21	849	16	F21W/T8/840/LL/BULK	93108419	2100	Cool White	4000	85	30000	21	F	40	1
21	849	16	F21W/T5/865/LL	93096199	1950	Daylight	6500	85	30000	21	F	30	1
28	1149	16	F28W/T5/830/LL	93096200	2900	Warm White	3000	85	30000	28	F	30	1
28	1149	16	F28W/T5/830/LL/BULK	93108420	2900	Warm White	3000	85	30000	28	F	40	1
28	1149	16	F28W/T5/840/LL	93096201	2900	Cool White	4000	85	30000	28	F	30	1
28	1149	16	F28W/T5/840/LL/BULK	93108421	2900	Cool White	4000	85	30000	28	F	40	1
28	1149	16	F28W/T5/865/LL	93096202	2700	Daylight	6500	85	30000	28	F	30	1
35	1449	16	F35W/T5/830/LL	93096203	3650	Warm White	3000	85	30000	35	F	30	1
35	1449	16	F35W/T5/840/LL	93096204	3650	Cool White	4000	85	30000	35	F	30	1
35	1449	16	F35W/T5/840/LL/BULK	93108422	3650	Cool White	4000	85	30000	35	F	40	1
35	1449	16	F35W/T5/865/LL	93096205	3400	Daylight	6500	85	30000	35	F	30	1

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
T5 - High Efficiency, G5 Cap - Value													
14	549	16	FT5 HE 14W 830	93121257	1200	Warm White	3000	82	24000	14	F	30	1
14	549	16	FT5 HE 14W 830 BULK	93121269	1200	Warm White	3000	82	24000	14	F	40	1
14	549	16	FT5 HE 14W 840	93121258	1200	Cool White	4000	82	24000	14	F	30	1
14	549	16	FT5 HE 14W 840 BULK	93121270	1200	Cool White	4000	82	24000	14	F	40	1
14	549	16	FT5 HE 14W 865	93121259	1100	Daylight	6500	82	24000	14	F	30	1
21	849	16	FT5 HE 21W 830	93121260	1900	Warm White	3000	82	24000	21	F	30	1
21	849	16	FT5 HE 21W 840	93121261	1900	Cool White	4000	82	24000	21	F	30	1
21	849	16	FT5 HE 21W 840 BULK	93121271	1900	Cool White	4000	82	24000	21	F	40	1
21	849	16	FT5 HE 21W 865	93121262	1750	Daylight	6500	82	24000	21	F	30	1
28	1149	16	FT5 HE 28W 830	93121263	2600	Warm White	3000	82	24000	28	F	30	1
28	1149	16	FT5 HE 28W 830 BULK	93121272	2600	Warm White	3000	82	24000	28	F	40	1
28	1149	16	FT5 HE 28W 840	93121264	2600	Cool White	4000	82	24000	28	F	30	1
28	1149	16	FT5 HE 28W 840 BULK	93121273	2600	Cool White	4000	82	24000	28	F	40	1
28	1149	16	FT5 HE 28W 865	93121265	2400	Daylight	6500	82	24000	28	F	30	1
35	1449	16	FT5 HE 35W 830	93121266	3320	Warm White	3000	82	24000	35	F	30	1
35	1449	16	FT5 HE 35W 840	93121267	3320	Cool White	4000	82	24000	35	F	30	1
35	1449	16	FT5 HE 35W 840 BULK	93121274	3320	Cool White	4000	82	24000	35	F	40	1
35	1449	16	FT5 HE 35W 865	93121268	3050	Daylight	6500	82	24000	35	F	30	1

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
T5 LongLast™ - High Output, G5 Cap													
24	549	16	F24W/T5/830/LL	93096206	2000	Warm White	3000	85	30000	23	G	30	1
24	549	16	F24W/T5/840/LL	93096207	2000	Cool White	4000	85	30000	23	G	30	1
24	549	16	F24W/T5/840/LL/BULK	93108423	2000	Cool White	4000	85	30000	23	G	40	1
24	549	16	F24W/T5/865/LL	93096208	1900	Daylight	6500	85	30000	23	G	30	1
39	849	16	F39W/T5/830/LL	93096209	3500	Warm White	3000	85	30000	38	F	30	1
39	849	16	F39W/T5/840/LL	93096210	3500	Cool White	4000	85	30000	38	F	30	1
39	849	16	F39W/T5/840/LL/BULK	93108424	3500	Cool White	4000	85	30000	38	F	40	1
49	1449	16	F49W/T5/830/LL	93096214	4900	Warm White	3000	85	30000	50	F	30	1
49	1449	16	F49W/T5/840/LL	93096215	4900	Cool White	4000	85	30000	50	F	30	1
49	1449	16	F49W/T5/840/LL/BULK	93108426	4900	Cool White	4000	85	30000	50	F	40	1
49	1449	16	F49W/T5/865/LL	93096216	4650	Daylight	6500	85	30000	50	F	30	1
54	1149	16	F54W/T5/830/LL	93096211	5000	Warm White	3000	85	30000	54	F	30	1
54	1149	16	F54W/T5/840/LL	93096212	5000	Cool White	4000	85	30000	54	F	30	1
54	1149	16	F54W/T5/840/LL/BULK	93108425	5000	Cool White	4000	85	30000	54	G	40	1
54	1149	16	F54W/T5/865/LL	93096213	4750	Daylight	6500	85	30000	54	G	30	1
80	1449	16	F80W/T5/830/LL	93096217	7000	Warm White	3000	85	30000	80	G	30	1
80	1449	16	F80W/T5/840/LL	93096218	7000	Cool White	4000	85	30000	80	G	30	1
80	1449	16	F80W/T5/840/LL/BULK	93108427	7000	Cool White	4000	85	30000	80	G	40	1

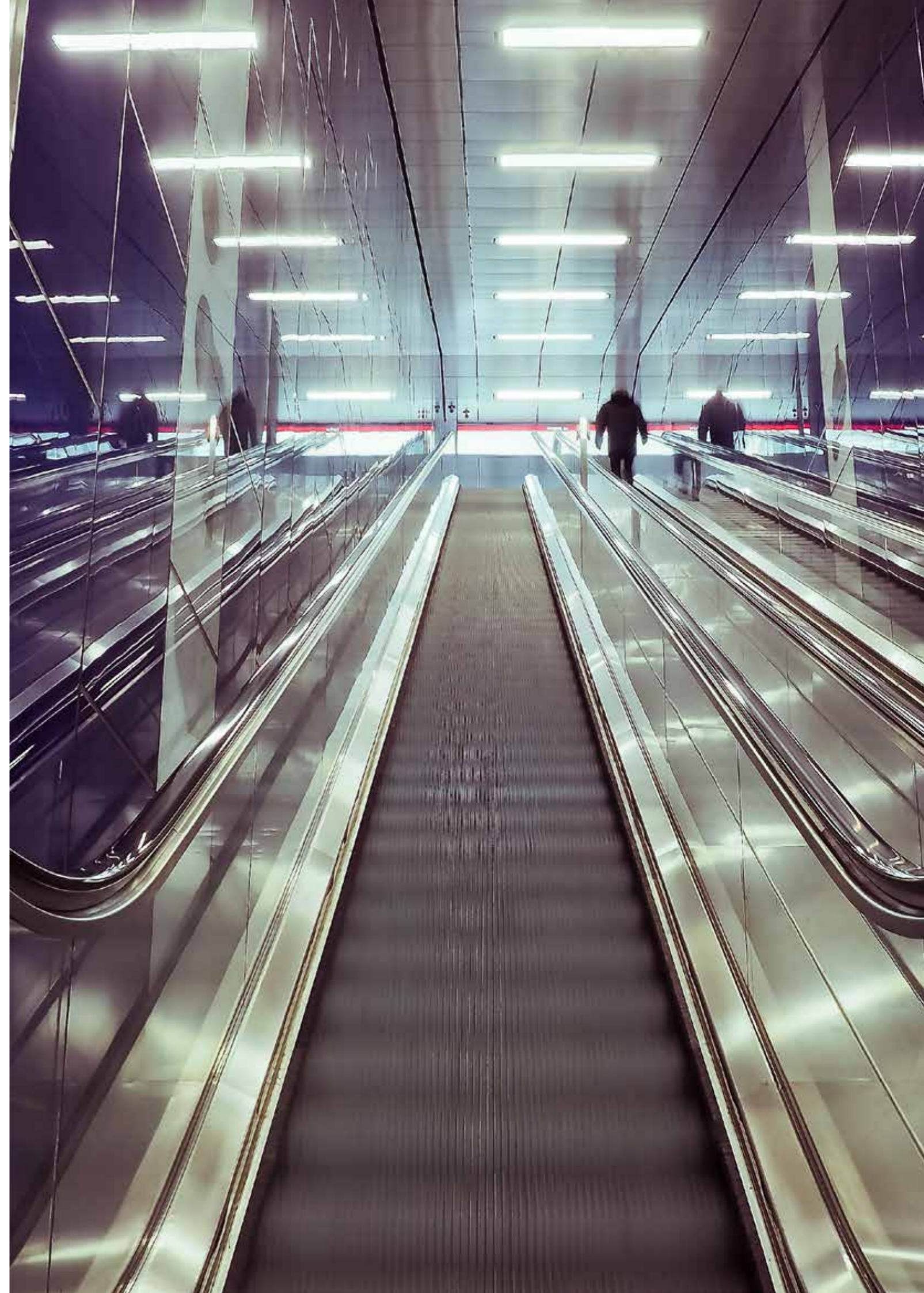
Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 35°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
T5 - High Output, G5 Cap - Value													
24	549	16	FT5 HO 24W 830	93121275	1750	Warm White	3000	82	24000	24	G	30	1
24	549	16	FT5 HO 24W 840	93121276	1750	Cool White	4000	82	24000	24	G	30	1
24	549	16	FT5 HO 24W 840 BULK	93121288	1750	Cool White	4000	82	24000	24	G	40	1
24	549	16	FT5 HO 24W 865	93121277	1600	Daylight	6500	82	24000	24	G	30	1
39	849	16	FT5 HO 39W 830	93121278	3100	Warm White	3000	82	24000	39	G	30	1
39	849	16	FT5 HO 39W 840	93121279	3100	Cool White	4000	82	24000	39	G	30	1
39	849	16	FT5 HO 39W 840 BULK	93121289	3100	Cool White	4000	82	24000	39	G	40	1
49	1449	16	FT5 HO 49W 830	93121283	4310	Warm White	3000	82	24000	49	F	30	1
49	1449	16	FT5 HO 49W 840	93121284	4310	Cool White	4000	82	24000	49	F	30	1
49	1449	16	FT5 HO 49W 840 BULK	93121291	4310	Cool White	4000	82	24000	49	F	40	1
49	1449	16	FT5 HO 49W 865	93121285	4100	Daylight	6500	82	24000	49	G	30	1
54	1149	16	FT5 HO 54W 830	93121280	4450	Warm White	3000	82	24000	54	F	30	1
54	1149	16	FT5 HO 54W 840	93121281	4450	Cool White	4000	82	24000	54	F	30	1
54	1149	16	FT5 HO 54W 840 BULK	93121290	4450	Cool White	4000	82	24000	54	F	40	1
54	1149	16	FT5 HO 54W 865	93121282	4100	Daylight	6500	82	24000	54	G	30	1
80	1449	16	FT5 HO 80W 830	93121286	6150	Warm White	3000	82	24000	80	G	30	1
80	1449	16	FT5 HO 80W 840	93121287	6150	Cool White	4000	82	24000	80	G	30	1
80	1449	16	FT5 HO 80W 840 BULK	93121292	6150	Cool White	4000	82	24000	80	G	40	1



Linear Fluorescent Lamps

Wattage (W)	Length (mm)	Diameter (mm)	Product Description	Product Code	Initial Lumen (at 25°C) (lm)	Colour Type	CCT (K)	CRI (Ra)	Rated Average Life (3-hr cycle) (h)	Energy Consumption (kWh)	EEC	Pack Qty	Model
T5 Miniature - Triphosphor - G5 Cap *													
4	134	16	FT5 4W 840	93114842	155	Cool White	4000	82	8000	5	G	25	2
6	212	16	FT5 6W 835	93114843	240	White	3500	82	8000	6	G	25	2
6	212	16	FT5 6W 840	93114844	240	Cool White	4000	82	8000	6	G	25	2
8	288	16	FT5 8W 835	93114839	450	White	3500	82	8000	8	G	25	2
8	288	16	FT5 8W 835	93114837	450	White	3500	82	8000	8	G	100	2
8	288	16	FT5 8W 840	93114838	450	Cool White	4000	82	8000	8	G	25	2
8	288	16	FT5 8W 840	93114845	450	Cool White	4000	82	8000	8	G	100	2
13	517	16	FT5 13W 835	93114840	950	White	3500	82	8000	13	G	25	2
13	517	16	FT5 13W 840	93114841	950	Cool White	4000	82	8000	13	G	25	2
T5 Circular - 2Gx13 Cap													
22	230	16	FC22W/T5/830	93108430	1 900	Warm White	3000	82	12 000	23	G	10	3
22	230	16	FC22W/T5/840	93108435	1 900	Cool White	4000	82	12 000	23	G	10	3
40	305	16	FC40W/T5/830	93108431	3 300	Warm White	3000	82	12 000	40	G	10	3
40	305	16	FC40W/T5/840	93108432	3 300	Cool White	4000	82	12 000	40	G	10	3
55	305	16	FC55W/T5/830	93108433	4 200	Warm White	3000	82	12 000	55	G	10	3
55	305	16	FC55W/T5/840	93108434	4 200	Cool White	4000	82	12 000	55	G	10	3
T8 PolyLux XLR™ - G13 Cap													
15	437	26	F15W/T8/840/POLYLUX	93096219	950	Cool White	4000	82	15 000	15	G	25	4
15	437	26	F15W/T8/865/POLYLUX	93096220	900	Daylight	6500	82	15 000	15	G	25	4
18	590	26	F18W/T8/830/POLYLUX	93096221	1 350	Warm White	3000	82	15 000	18	G	25	4
18	590	26	F18W/T8/835/POLYLUX	93096222	1 350	White	3500	82	15 000	18	G	25	4
18	590	26	F18W/T8/840/POLYLUX	93096223	1 350	Cool White	4000	82	15 000	18	G	25	4
18	590	26	F18W/T8/865/POLYLUX	93096224	1 250	Daylight	6500	82	15 000	18	G	25	4
30	895	26	F30W/T8/840/POLYLUX	93096225	2 450	Cool White	4000	82	15 000	30	G	25	4
30	895	26	F30W/T8/865/POLYLUX	93096226	2 300	Daylight	6500	82	15 000	30	G	25	4
36	1 200	26	F36W/T8/830/POLYLUX	93096227	3 350	Warm White	3000	82	15 000	36	F	25	4
36	1 200	26	F36W/T8/835/POLYLUX	93096228	3 350	White	3500	82	15 000	36	F	25	4
36	1 200	26	F36W/T8/840/POLYLUX	93096229	3 350	Cool White	4000	82	15 000	36	F	25	4
36	1 200	26	F36W/T8/865/POLYLUX	93096230	3 250	Daylight	6500	82	15 000	36	G	25	4
58	1 500	26	F58W/T8/830/POLYLUX	93096231	5 200	Warm White	3000	82	15 000	58	G	25	4
58	1 500	26	F58W/T8/835/POLYLUX	93096232	5 200	White	3500	82	15 000	58	G	25	4
58	1 500	26	F58W/T8/840/POLYLUX	93096233	5 200	Cool White	4000	82	15 000	58	G	25	4
58	1 500	26	F58W/T8/865/POLYLUX	93096234	5 000	Daylight	6500	82	15 000	58	G	25	4
Starter - 220-240V													
Series 4-8W, 15-22W	155/200/4-22W/TANDEM/BX	93108414							10 000 (switching cycles)	250			5
Series 4-8W, 15-22W	155/200/4-22W/TANDEM/IND	93108415							10 000 (switching cycles)	2 000			5
Single 4-65W	155/500 4-65W/UNIV/BX	93108412							10 000 (switching cycles)	250			5
Single 4-65W	155/500 4-65W/UNIV/IND	93108413							10 000 (switching cycles)	2 000			5
Single 75-125W	155/800/75-125W/BX	93108416							6 000 (switching cycles)	250			5

*Can be used in emergency applications as well.





HALOGEN LAMPS

Low voltage
Halogen lamps
for outstanding
colour rendering

Our range of Halogen 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.

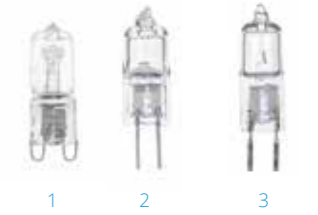
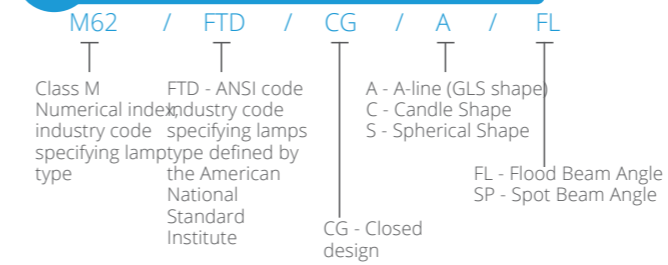
ENERGY EFFICIENCY CLASS (A-G)*



Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Mains Voltage Capsule G9													
20	220-240	G9	SHORTG9 20W 220-240V	93113499	235	2700	2 000	13	43	20	G	10	1
20	220-240	G9	SHORTG9 20W 220-240V	93112576	235	2700	2 000	13	43	20	G	20	1
30	220-240	G9	SHORTG9 30W 220-240V	93112580	405	2800	2 000	13	43	30	G	10	1
30	220-240	G9	SHORTG9 30W 220-240V	93112582	405	2800	2 000	13	43	30	G	20	1
42	220-240	G9	SHORTG9 42W 220-240V	93113498	630	2800	2 000	13	43	42	G	10	1
42	220-240	G9	SHORTG9 42W 220-240V	93112577	630	2800	2 000	13	43	42	G	20	1
Low Voltage Capsule - Transversal Filament													
5	12	G4	M9 H H5 12V TR CL G4	93112534	60	2800	2 000	9	33	5	G	20	2
10	12	G4	10W 12V G4 2000HR	93112560	145	2800	2 000	9	33	10	G	20	2
50	12	GY 6.35	50W 12V GY6,35 TR	93112558	930	3000	2 000	11	44	50	G	20	3

Product Description - explanation

For further information check the glossary



INCANDESCENT LAMPS

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
- Infrared reflector

ENERGY EFFICIENCY CLASS (A-G)*



Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	Rated life (h)	Diameter (mm)	Length (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Infrared Reflector Hard Glass - Clear												
150	235-245	E27	150R/IR/CL/E27	93112561	60	5 000	125	173	150	G	1/10	1
250	235-245	E27	250R/IR/CL/E27	93112530	60	5 000	125	173	250	G	1/9	1
275	235-245	E27	275R/IR/CL/E27	93112533	60	5 000	125	173	275	G	1/9	1
Infrared Reflector Hard Glass - Red front												
150	235-245	E27	150R/IR/R/E27	93112563	-	5 000	125	173	-	-	1/10	2
250	235-245	E27	250R/IR/R/E27	93112569	-	5 000	125	173	-	-	1/10	2
Infrared Reflector Hard Glass - Satin												
150	235-245	E27	150/IR/SA/E27	93112562	60	5 000	125	173	150	G	1/10	1
250	235-245	E27	250R/IR/SA/E27	93112568	60	5 000	125	173	250	G	1/10	1
Pygmy Freezer - Clear												
15	240	E14	15P1/FRID/T25/E14	93112565*	85	1 000	25	55	-	-	1/100	3
25	230	E14	25P1/FRID/S28/E14	93112567*	190	1 000	28	60	-	-	1/100	3
Pygmy Oven - Clear												
15	230	E14	15P1/OVEN/S22/E14	93112544	85	1 000	23	48	15	G	1/50	3
15	230	E14	15P1/OVEN/S22/E14	93111754	85	1 000	23	48	15	G	1/10/180	3
25	230	E14	25P1/OVEN/S28/E14	93112526	160	1 000	28	60	25	G	1/50	3
25	230	E14	25P1/OVEN/S28/E14	93112548	190	1 000	28	60	25	G	1/5	3
25	230	E14	25P1/OVEN/T25/E14	93112535	160	1 000	25	55	25	G	1/50	3

* Not CE compliant product





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:

ENERGY EFFICIENCY CLASS (A-G)*



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

Product overview



Single Ended Hot Restrike

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



Single Ended Halogen

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



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



T8 Range

Cap: G13
Wattages: 15- 55W



T5 Range

Cap: G5
Wattages: 4 - 40W



Biax Range

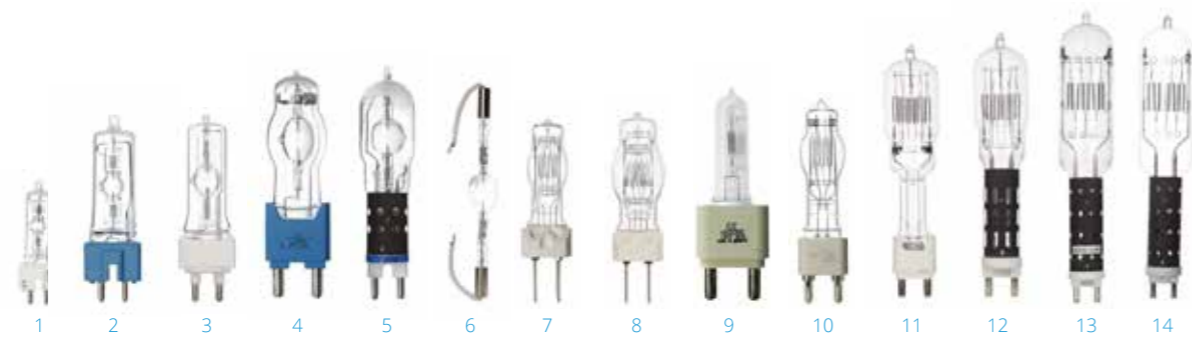
Cap: G23, GX23, 2G7, 2G11
Wattages: 5 - 90W

Event and Tour

UVC

Wattage (W)	Volts	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Discharge Hot Restrike																
125	80	GZX9.5	CSR125/SE/HR	93106378	9800	5400	-	-	200	75	16	U	G	125	10	1
200	70	GZY9.5	CSR200/SE/HR/UV-C	93106379	17500	6000	-	-	200	80	20	U	G	200	10	2
400	70	GZZ9.5	CSR400/SE/HR/UV-C	93106221	32000	6000	-	-	750	110	14	U	G	400	10	2
575	95	G22	CSR575/SE/HR/UV-C	93110787	48000	6000	-	-	750	145	30	U	G	575	10	2
800	95	G22	CSR800/SE/HR/UV-C	93106222	64000	5600	-	-	750	145	30	U	G	800	10	2
1200	100	G38	CSR1200/SE/HR/UV-C	93106223	110000	5600	-	-	750	200	42	U	G	1200	6	2
1600	150	G22	CSR1600/SE/HR/UV-C	93106386	140000	6000	-	-	500	175	40	U	G	1600	6	3
1800	150	G38	CSR 1800/SE/HR	93106389	165000	6000	-	-	750	200	42	U	G	1800	6	3
2500	115	G38	CSR 2500/SE/HR/UV-C	93106225	220000	5600	-	-	500	240	60	U	G	2500	6	4
4000	200	G38	CSR4000/SE/HR/UV-C	93106224	380000	5600	-	-	500	255	75	U	F	4000	6	4
6000	120	G38	CSR 6000/SE/HR/UV-C	93106376	540000	5600	-	-	300	360	85	U	G	6000	6	5
9000	160	G38	CSR9000/SE/HR	93106387	850000	5800	-	-	250	360	85	U	F	9000	6	5
12 000	160	G38	CSR12000/SE/HR/UV-C	93106397	1150000	6000	-	-	300	450	102	U	F	12000	4	5
18 000	225	30x70 Cyl 165mm	CSR18000/DE	93106377	1650000	6000	-	-	300	500	73	HOR±15°	G	18000	4	6
18 000	225	G51	CSR18000/SE/HR	93106417	1650000	6000	-	-	250	470	103	U	G	18000	1	5

Single Ended Halogen (Lower wattages are shown in the Theatre section)																
1900	240	GX38q	CP105 1250/650W 230-240V	93106395	41000	3200	CP105	-	250	220	45	BD45	G	1900	1	7
2500	240	GX38q	CP30 230- 240V	93106393	56000	3200	CP30	-	400	220	45	BD45	G	2500	1	7
3750	240	GX38q	CP58 230-240V	93106394	91000	3100	CP58	-	300	230	60	BD45	G	3750	1	8
4700	240	G38	HX5000/240V	93106388	133000	3200	-	-	200	270	65	U	G	4700	6	9
5000	230	G38	CP29 230V	93106391	135000	3200	CP29	-	375	280	65	BD45	G	5000	1	10
5000	240	G38	CP29 240V	93106392	135000	3200	CP29	-	375	280	65	BD45	G	5000	1	9
10000	230	GX38	CP83 220-230V	93106218	280000	3200	CP83	-	500	405	85	BD45	G	10000	1	11
10000	240	GX38	CP83 240V	93106219	280000	3200	CP83	-	500	405	85	BD45	G	10000	1	11
12000	230	G38	Q12MT26/CL 230V	93106380	400000	3200	-	-	130	410	85	BD45	G	12000	1	13
12000	240	G38	Q12MT26/CL 240V	93106383	400000	3200	-	-	130	410	85	BD45	G	12000	1	12
20000	240	G38	Q20MT32/CL 240V	93106381	580000	3200	-	BCM	400	560	103	BD45	G	20000	1	13
24000	240	G38	Q24MT32/CL 240V	93106382	800000	3200	-	-	150	560	103	BD45	G	24000	1	14



Wattage (W)	Volts	Cap	Product Description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Double Ended Quartz Lamp																
500	120	R7s	TU FDF Q500T3/4CL	93106448	13250	3200	P2/30	FDF	400	119	10	HOR	G	500	12	15
625	225	R7s	TU P2/10 Q625T3/4CL 220/230V	93106439	16900	3200	P2/10	-	300	189	10	HOR	G	625	12	15
625	245	R7s	TU P2/10 Q625T3/4CL 240/250V	93106440	16900	3200	P2/10	-	300	189	10	HOR	G	625	12	15
750	120	R7s	TU EJJ Q750T3/4CL	93106449	20600	3200	-	EJJ	400	119	10	HOR	G	750	12	17
800	240	R7s	DXX 800-T4-4CL 240V	93106455	20000	3200	P2/13	DXX	75	80	15	HOR	G	800	24	16
800	240	R7s	TU P2/11 EME Q800T3/4CL 240V	93106450	22000	3200	P2/11	EME	150	119	10	HOR	G	800	12	18
1000	225	R7s	TU P2/7 EKM Q1MT3/4CL 220/230V	93106441	28000	3200	P2/7	EKM	300	189	10	HOR	G	1000	12	19
1000	245	R7s	TU P2/7 EKM Q1MT3/4CL 240/250V	93106442	28000	3200	P2/7	EKM	300	189	10	HOR	G	1000	12	19
1000	120	R7s	TU FCM P2/28 Q1000T3/4CL	93106451	28000	3200	P2/28	FCM	400	119	10	HOR	G	1000	12	19
1250	245	R7s	TU P2/12 Q1250T3/4CL 240/250V	93106438	35000	3200	P2/12	-	300	189	10	HOR	G	1250	12	15
2000	230	R7s	P2/27 FEX 230V	93106514	50000	3200	P2/27	FEX	300	143	27	HOR	G	2000	12	20
2000	240	R7s	P2/27 FEX 240V	93106515	50000	3200	P2/27	FEX	300	143	27	HOR	G	2000	12	20

Single Ended Halogen - HPL (19 mm diameter)																
575	115		HPL 575-X LL-C 115V	93106471	12800	3000	-	-	2 000	106	19	U	G	575	12	21
575	120		HPL 575-C 120V	93106472	16520	3200	-	-	300	106	19	U	G	575	12	21
575	115		HPL 575-C 115V	93106474	16520	3200	-	-	300	106	19	U	G	575	12	21
575	240		HPL 575W LL 240V	93106510	11800	3000	-	-	1 500	106	19	U	G	575	12	21
575	230		HPL 575W LL 230V	93106511	11800	3000	-	-	1 500	106	19	U	G	575	12	21
575	240		HPL 575W 240V	93106512	14900	3200	-	-	300	106	19	U	G	575	12	21
575	230		HPL 575W 230V	93106513	14900	3200	-	-	300	106	19	U	G	575	12	21
750	115		HPL 750W-XLL-C 115V	93106465	16425	3000	-	-	2 000	106	19	U	G	750	12	22
750	240		HPL 750W LL 240V	93106466	15600	3000	-	-	1 500	106	19	U	G	750	12	22
750	230		HPL 750W LL 230V	93106467	15600	3000	-	-	1 500	106	19	U	G	750	12	22
750	115		HPL 750-C 115V	93106473	21900	3200	-	-	300	106	19	U	G	750	12	22
750	240		HPL 750W 240V	93106508	18975	3200	-	-	300	106	19	U	G	750	12	22
750	230		HPL 750W 230V	93106509	18975	3200	-	-	300	106	19	U	G	750	12	22



Wattage (W)	Volts	Cap	Product Description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Single Ended Halogen																
300	230	GY9.5	CP81 FSL 230V	93106470	6900	3200	CP81	FSL	150	90	25	BD	G	300	24	1
300	120	GY9.5	CP81 FKW 120V	93106478	6900	3200	CP81	FKW	50	90	25	BD	G	300	24	1
300	240	GY9.5	CP81 FSK 240V	93106479	6900	3200	CP81	FSK	150	90	25	BD	G	300	24	1
500	240	P28s	T28 230-240V	93106486	11000	3100	T28	-	300	115	21	BD	G	500	12	2
500	240	GY9.5	CP82 FRJ 240V	93106499	12500	3200	CP82	FRJ	150	88	25	BD	G	500	24	3
500	240	GY9.5	T18 GCW 230- 240V	93106500	11000	3200	T18	GCW	400	85	25	BD	G	500	24	3
500	230	GY9.5	CP82 FRH 230V	93106501	12500	3200	CP82	FRH	150	88	25	BD	G	500	24	3
500	120	GY9.5	CP82 FRG 120V	93106502	13000	3200	CP82	FRG	150	88	25	BD	G	500	24	3
500	240	GY9.5	T25 230-240V	93106505	11000	3200	T25	GCW	360	89	23	BD	G	500	24	3
500	240	P28s	T17 FKF 230- 240V	93106522	9500	3000	T17	-	750	130	21	BD	G	500	12	2
500	120	P28s	BTM 120V	93106539	13000	3200	-	BTM	150	152	21	BD	G	500	12	5
500	120	G9.5	EHD 120V	93106551	10450	3000	-	EHD	2000	102	18	U	G	500	24	6
575	115	G9.5	GLC 575W HP 115V	93106463	14375	3200	-	GLC	300	105	18	U	G	575	24	7
600	240	G9.5	GKV LL 240V 600W	93106480	11000	3000	-	GKV	1500	105	18	U	G	600	24	8
600	230	G9.5	GKV LL 230V 600W	93106481	11000	3000	-	GKV	1500	105	18	U	G	600	24	8
600	240	G9.5	GKV 600W 240V G9.5	93106482	14000	3200	-	GKV	250	105	18	U	G	600	12	8
600	230	G9.5	GKV 600W 230V G9.5	93106483	14000	3200	-	GKV	250	105	18	U	G	600	24	8
650	230	GX9.5	CP23 230V	93106459	16900	3200	CP23	-	100	110	25	BD	G	650	12	10
650	240	GX9.5	T12 230-240V	93106468	13500	3000	T12	-	750	105	25	BD	G	650	12	10
650	240	G9.5	FKR 230-240V	93106485	15000	3200	-	FKR	300	101	20	U	G	650	24	8
650	240	GX9.5	CP23 230-240V	93106490	16900	3200	CP23	-	100	110	25	BD	G	650	12	10
650	240	GY9.5	CP89 FRM 230- 240V	93106496	16250	3200	CP89	FRM	150	88	25	BD	G	650	24	3
650	120	GY9.5	CP89 FRK 120V	93106497	16900	3200	CP89	-	200	88	25	BD	G	650	24	3
650	240	GY9.5	T26 GCS 230- 240V	93106498	15000	3200	T26	GCS	400	88	25	BD	G	650	24	3
650	230	GY9.5	T27 230-240V	93106504	14500	3200	T27	GCS	400	89	23	BD	G	650	24	3
650	240	P28s	T13 FKB 230- 240V	93106521	13500	3000	T13	-	750	121	25	BD	G	650	12	2
650	240	G22	CP39 FKH 230- 240V	93106534	16900	3200	CP39	FKH	100	130	25	BD	G	650	12	11
750	120	P28s	BTN-Q750T7/CL/2P 120	93106542	17625	3100	-	BTN	500	121	23	U	G	750	12	6
750	120	G22	EGR-Q750T7/4CL 120	93106549	20925	3200	-	EGR	200	127	22	BDTH	G	750	12	6
750	120	G9.5	EHG Q750/CL/TP 750W 120V	93106553	15000	3000	-	FLK	2000	105	18	U	G	750	24	13
800	240	G9.5	GKV 800W 230-240V	93106469	20000	3200	HX800	-	250	105	18	BD	G	800	24	14



Wattage (W)	Volts	Cap	Product Description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Single Ended Halogen																
1000	120	G38	Q1000T7BP 120	93106476	20000	3000	-	-	3000	200	22	BD	G	1000	6	15
1000	240	G9.5	CP77 FEP 230- 240V	93106484	25000	3200	CP77	FEP	300	105	20	U	G	1000	24	16
1000	240	GX9.5	T11 230-240V	93106491	23000	3100	T11	-	750	110	35	BD	G	1000	12	6
1000	240	GX9.5	T19 FWR 230-240V	93106492	21000	3100	T19	FWR	750	105	35	BD	G	1000	12	10
1000	230	G22	CP40 FKJ 230V	93106493	26000	3200	CP40	FKJ	200	140	26	BD	G	1000	12	9
1000	240	GX9.5	CP24 230-240V	93106494	26000	3200	CP24	-	200	110	35	BD	G	1000	12	17
1000	240	GX9.5	CP70 FVA 240V	93106506	25000	3200	CP70	FVB	200	105	23	BD	G	1000	12	10
1000	230	GX9.5	CP70 FVA 230V	93106507	25000	3200	CP70	FVA	200	105	23	BD	G	1000	12	10
1000	240	P28s	CP52 FKN 230-240V	93106520	26000	3200	CP52	FKN	200	130	35	BD	G	1000	12	12
1000	117	GX9.5	T11 115-120V	93106530	23500	3100	T11	-	750	105	35	BD	G	1000	12	6
1000	240	P28s	T14 FKD 230- 240V	93106533	23000	3100	T14	-	750	121	35	BD	G	1000	12	12
1000	240	G22	CP40 FKJ 240V	93106537	26000	3200	CP40	FKJ	250	140	26	BD	G	1000	12	9
1000	120	P28s	BTR-Q1000T7/4CL/2P120	93106543	28000	3200	-	BTR	250	121	34	BD	G	1000	12	6
1000	120	P28s	BVT-Q1MT7/CL/MP 120V	93106544	24500	3100	-	BVT	500	184	15	U	G	1000	6	18
1000	120	G22	EGT-Q1000T7/4CL 120V	93106550	28500	3200	-	EGT	250	127	22	BDTH	G	1000	12	4
1000	120	G9.5	FEL Q1000/4CL 120V	93106552	27500	3200	CP77	FEL	375	105	18	U	G	1000	24	14
1000	120	P28s	BVV-Q1MT7/4CL/MP	93106556	28500	3200	-	BVV	200	184	22	U	G	1000	6	6
1200	80	G22	CP110 OC-1200 80V	93106475	36000	3300	-	-	300	140	26	BD	G	1200	12	11
1200	240	GX9.5	CP90 230-240V	93106488	33000	3200	CP90	-	200	124	11	BD	G	1200	12	19
1200	240	GX9.5	T29 FWT 230-240V	93106489	29000	3100	T29	FWT	400	124	35	BD	G	1200	12	19
1200	240	G22	CP93 230-240V	93106528	33000	3200	CP93	-	200	130	35	BD	G	1200	12	9
2000	240	G38	CP41 FKK 240V	93106516	54000	3200	CP41	FKK	400	216	31	BD	G	2000	12	9
2000	230	G38	CP41 FKK 230V	93106517	54000	3200	CP41	FKK	400	216	31	BD	G	2000	12	9
2000	240	GY16	CP79 230-240V	93106524	54000	3200	CP79	-	350	145	40	BD	G	2000	12	20
2000	240	G22	CP92 230-240V	93106526	52000	3200	CP92	-	400	175	31	BD	G	2000	12	21
2000	120	G22	CP92 120V	93106527	55000	3200	CP92	-	400	175	31	BD	G	2000	12	21
2000	240	E40	CP59 230-240V	93106529	50000	3200	-	-	300	190	30	BD	G	2000	12	22
2000	240	P40s	CP53 230-240V	93106535	54000	3200	CP53	-	400	200	31	BD	G	2000	12	23
2000	240	GY16	CP43 FTL 230-240V	93106536	54000	3200	CP43	FTL	400	145	27	BD	G	2000	12	20
2000	120	G38	CYX-Q2000T10/4CL 120V	93106545	59000	3200	HX270	CYX	400	216	32	BD	G	2000	6	24
2000	230	GY16	CP 43 FTM 230V BX1/12	93106557	54000	3200	CP43	FTM	400	145	27	BD	G	2000	12	20
2500	230	G38	CP94 230-240V	93106523	67500	3200	CP94	-	400	210	31	BD	G	2500	12	25
2500	240	G22	CP91 230-240V	93106525	67500	3200	CP91	-	400	175	31	BD	G	2500	12	26
3000	230	G38	HX48 230-240V	93106390	82000	3200	HX48	-	400	210	45	BD45	G	3000	1	27





Wattage (W)	Volts	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Single Ended Halogen																
4700	240	G38	HX5000 240V	93106388	133000	3200	-	-	200	270	65	U	G	4700	6	1
5000	230	G38	CP29 230V	93106391	135000	3200	CP29	-	375	280	65	BD45	G	5000	12	2
5000	240	G38	CP29 240V	93106392	135000	3200	CP29	-	375	280	65	BD45	G	5000	12	1
10000	230	GX38	OT CP83 220-230V 10000W BX 1/1 MIJ	93106218	280000	3200	CP83	-	500	405	85	BD45	G	10000	1	3
10000	240	GX38	OT CP83 240V 10000W BX 1/1 MIJ	93106219	280000	3200	CP83	-	500	405	85	BD45	G	10000	1	3
12000	230	G38	Q12MT26/CL 230V	93106380	400000	3200	-	-	130	410	85	BD45	G	12000	1	4
12000	240	G38	Q12MT26/CL 240V	93106383	400000	3200	-	-	130	410	85	BD45	G	12000	1	4
20000	240	G38	BCM Q20MT32/4CL 240	93106381	580000	3200	-	BCM	400	560	103	BD45	G	20000	1	5
24000	240	G38	Q24MT32/CL 240V	93106382	800000	3200	-	-	150	560	103	BD45	G	24000	1	6
2500	240	GX38q	CP30 230- 240V	93106393	56000	3200	CP30	-	400	220	45	BD45	G	2500	1	7
3750	240	GX38q	CP58 230-240V	93106394	91000	3100	CP58	-	300	230	60	BD45	G	3750	1	7
1900	240	GX38q	CP105 1250/650W 230-240V	93106395	41000	3200	CP105	-	250	220	45	BD45	G	1900	1	7
1000	230	GY9.5	GAB 230V 1000W	93106558	25000	3200	-	GAB	250	88	23	BD	G	1000	12	8
1000	240	GY9.5	GAD 240V 1000W	93106559	25000	3200	-	GAD	250	88	23	BD	G	1000	12	8



Wattage (W)	Volts	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	Rated life (h)	Length (mm)	Diameter (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer quantity	Model
Discharge - Single Ended Cold Start														
575	95	GX9.5	CSR575/2/SE	93106220	48000	7800	1000	125	29	U	G	575	10	10
700	70	G22	CSR700/2/SE	93106385	55000	6500	1000	155	29	U	G	700	10	11
1200	100	G22	CSR1200/2/SE	93106384	110000	7000	800	175	39	U	G	1200	6	12
1700	85	PGJX28	CSR1700/TAL/60/PGJX28	93108711	150000	7400	750	112	18	U	G	1700	10	-
1000	82	PGJX28	CSR1000/TAL/PGJX28	93106396	90000	6000	750	112	21	U	G	1000	4	-



Wattage (W)	Volts	Product Description	Product Code	CCT (K)	ANSI Code	Cap	Rated Life (h)	Candelas	Beam type	Beam 10%	Beam 50%	Length (mm)	Diameter (mm)	EEC	Energy Consumption (kWh)	Outer qty	Model
PAR 36																	
50	12	50PAR36/WFL 12V	93106410	3000	-	screw lugs	2 000	1300	WFL	48x41	36x28	70	113	G	50	12	1
650	120	DWE Q650PAR36/1 120V	93106412	3200	DWE	screw lugs	100	13000	MFL	-	40x30	70	113	G	650	12	1
PAR 56																	
300	245	300PAR56/NSP 240V	93106408	3000	-	GX16	2000	43000	NSP	-	-	127	179	G	300	12	2
300	245	300PAR56/MFL 240V	93106406	3000	-	GX16	2000	15000	MFL	-	-	127	179	G	300	12	2
300	245	300PAR56/WFL 240V	93106407	3000	-	GX16	2000	5000	WFL	-	-	127	179	G	300	12	2
300	230	300PAR56/MFL 230V	93106403	3000	-	GX16	2000	15000	MFL	-	-	127	179	G	300	12	2
300	230	300PAR56/NSP 230V	93106404	3000	-	GX16	2000	46000	NSP	-	-	127	179	G	300	12	2
300	230	300PAR56/WFL 230V	93106405	3000	-	GX16	2000	5800	WFL	-	-	127	179	G	300	12	2
300	12	300PAR56/WFL 12V	93106399**	3000	-	screw lugs	1000	13000	WFL	-	-	119	179	-	-	12	2
300	12	300PAR56 WFL 12V POOL	93106398**	3000	-	screw lugs	1000	13000	WFL	-	-	119	179	-	-	12	2
PAR 64																	
500	230	500PAR64/WFL 230V	93106409	3000	-	GX16	2 000	10300	WFL	42x20	55x32	152	206	G	500	12	7
500	230	CP86 - Q500PAR64/VNSP 230V	93106666	3200	CP86	GX16d	300	240000	VNSP	16x13	10x7	150	204	G	500	6	7
500	240	CP86 - Q500PAR64/VNSP 240V	93106679	3200	CP86	GX16d	300	240000	VNSP	16x13	10x7	150	204	G	500	6	7
500	230	CP87 - Q500PAR64/NSP 230V	93106680	3200	CP87	GX16d	300	140000	NSP	19x16	11x9	150	204	G	500	6	7
500	240	CP87 - Q500PAR64/NSP 240V	93106681	3200	CP87	GX16d	300	140000	NSP	19x16	11x9	150	204	G	500	6	7
500	230	CP88 - Q500PAR64/MFL 230V	93106682	3200	CP88	GX16d	300	65000	MFL	32x19	21x10	150	204	G	500	6	7
500	240	CP88-Q500PAR64/MFL 240V	93106683	3200	CP88	GX16d	300	65000	MFL	32x19	21x10	150	204	G	500	6	7
1000	230	SUPER CP60 EXC VNS 230V	93106669	3200	CP60	GX16d	300	352000	VNSP	20x17	12x9	150	204	G	1000	6	7
1000	240	EXG PAR64/1000W/240V/WFL	93106670	3200	-	GX16d	300	38000	WFL	59x36	44x22	150	204	G	1000	6	7
1000	230	EXG PAR64/1000W/230V/WFL	93106671	3200	-	GX16d	300	38000	WFL	59x36	44x22	150	204	G	1000	6	7
1000	240	CP95 240V	93106672	3200	CP95	GX16d	300	15000	VWFL	125x95	70x70	150	204	G	1000	6	7
1000	230	SUPER CP61 EXD NS 230V	93106674	3200	CP61	GX16d	300	297000	NSP	22x20	14x10	150	204	G	1000	6	7
1000	240	SUPER CP62 EXE MF 240V	93106675	3200	CP62	GX16d	300	138000	MFL	38x20	24x11	150	204	G	1000	6	7
1000	230	SUPER CP62 EXE MF 230V	93106676	3200	CP62	GX16d	300	138000	MFL	38x20	24x11	150	204	G	1000	6	7
1000	240	SUPER CP61 EXD NS 240V	93106677	3200	CP61	GX16d	300	297000	NSP	22x20	14x10	150	204	G	1000	6	7
1000	240	SUPER CP60 EXC VNS 240V	93106678	3200	CP60	GX16d	300	352000	VNSP	20x17	12x9	150	204	G	1000	6	7

Wattage (W)	Volts	Product Description	Product Code	CCT (K)	ANSI Code	Cap	Rated Life (h)	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	3800	CP62	G38	3500	76000	-	18	6	HOR	1 350 000	G	1000	1	-
1000	80	CID1000/G22 99-0222	93117337**	5500	CP61	G22	500	500	-	-	-	U	-	-	-	1	-
1000	80	CSI1000/G22 99-02	93117338	4000	CP60	G22	500	500	-	-	-	U	-	G	1000	1	-
1000	80	CSI1000/PAR64/HR/G38 99-1422	93117339	3350	GFC	G38	3500	3500	-	18	6	HOR	1 350 000	G	1000	1	-
400	100	CSI400 99-0201 TU	93118295	4000	Special	Special	500	3500	-	18	6	VBD	-	G	400	10	-

** Not CE compliant product



Wattage (W)	Volts	Cap	Product Description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Projection, Printing, Photography															
1000	120	G38	MBI800/U SBL2 91-9830 CALMAT	93117205	-	3000	-	-	400	175	U	G	800	1	-
1000	120	G38	GRAPHX MBI 400-2000/U/SB 91-9835 CALM	93106667	-	3000	-	-	500	175	U	G	2000	1	-
300	240	G6.35	A1/249 230-240V	93106518**	7200	3400	A1/249	-	50	62	BD	-	-	24	4
150	240	G6.35	A1/248 230-240V	93106519**	3000	3400	A1/248	-	50	62	BD	-	-	24	4
500	240	GY9.5	A1/244 230-240V	93106495	13000	3200	A1/244	-	75	75	BDTH	G	500	24	5
1000	110	Two right-angle lugs	A1/248 230-240V	93117336	-	3000	-	-	400	110	U	G	800	1	-

Wattage (W)	Volts	Cap	Product Description	Product Code	Lumens	CCT (K)	LIF Code	ANSI Code	Rated life (h)	Length (mm)	Operating position	EEC	Energy Consumption (kWh)	Outer qty	Model
Single Ended Tungsten Halogen															
300	24	G6.35	M36 24V 250W GY6.35	93106531**	5750	3000	M36	-	2 000	62	BD	-	-	100	6
300	240	GY9.5	M38 230-240V	93106477	5500	2900	M38	-	2 000	80	BD	G	300	24	7
500	230	GY9.5	M40 230-240V	93106503	8500	2900	M40	-	2 000	84	BD	G	500	24	8

** Not CE compliant product

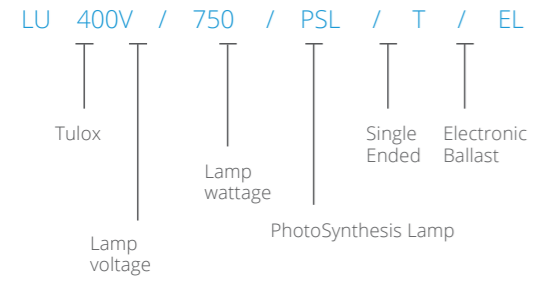


Volts	Current (A)	Wattage (W)	Product Description	TU Product Code	Max Length (mm)	Arc gap (mm)	LCL C (mm)	Diameter (mm)	Cap	100 hour lumens (Lumens)	100 hour PAR (µmole/sec)	Bulb glass	Operating position	Model
230V - E40 Cap														
115	2.7	250	LU250W/PSL/T/E40	93104708	260	64	158	48	E40/45	33 000	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

Industrial Heating

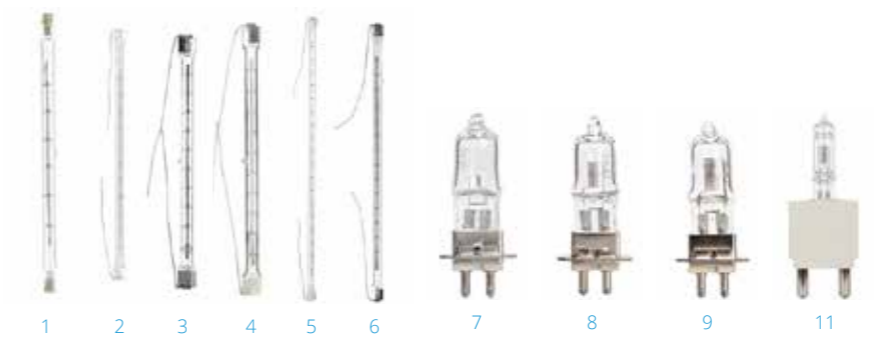
Wattage (W)	Volts	Cap	Product Description	Product Code	CCT (K)	Rated life (h)	Length (mm)	Pack Qty	Model
Quartz Heat									
500	120	R7s	QH500T3/CL/7	93106443	2400	5000	221	12	1
1000	240	Q24 metal blade	QH1000T3/CL	93106444	2400	5000	351	12	2
1200	144	Q24 cable	QH1200T3/CL	93106445	2400	5000	224	12	3
1200	144	Q24 cable	QH1200T3/CL/HT	93106446	2400	5000	224	12	4
1600	240	Q24 cable	QH1600T3/CL	93106447	2400	5000	503	12	5
2000	240	Q24 cable	QH2000T3/CL/HT	93110351	2400	5000	351	12	6
2500	400	Q24 cable	QH2500T3/CL/HT/R	93110352	2400	5000	382	12	5
3000	400	Q24 cable	QH3000T3/CL/HT/R	93110353	2400	5000	382	12	-
2000	240	Q24 cable	QH2000T3/CL/HT/R 230 TU	93119761	2400	5000	351	-	-
3650	480	Q24 cable	QH3650T3/CL/5 480	93117720	2400	5000	1057	-	-

Product Description - explanation
For further information check the glossary



Airfield

Wattage (W)	Volts	Cap	Product Description	Product Code	Lumen (lm)	Rated life (h)	Length (mm)	Pack Qty	Model
Aircraft and airfield Lighting									
45	6.6A	PG22-6.35	AF6/2 6.6A 45W	93106462	760	600	50	100	7
100	6.6A	PG22-6.35	AF 6/5T 6.6A 100W	93106461	2100	600	50	100	8
200	6.6A	PG22-6.35	AF7/2 6.6A 200W	93106460	4800	600	50	100	9
1000	120	G38	IM T20BP	93106532	28000	250	200	12	10



Wattage (W)	Operating Voltage (V)	Cap	Product Description	Product Code	Tube Material	Cap Material	Lamp Current (mA)	UV intensity (Distance = 1M)	Diameter (mm)	Base face Length (mm) h1 / A	Base face Length (mm) h2	Model
T8 Range												
15	46-64	G13	UVC T8 15W G13	93118807	Quartz	Aluminium	335	44	25	436	-	1
25	40-62	G13	UVC T8 25W G13	93118808	Quartz	Aluminium	600	75	25	436	-	1
30	102-125	G13	UVC T8 30W G13	93118809	Quartz	Aluminium	370	107	25	894	-	1
36	110-130	G13	UVC T8 36W G13	93118810	Quartz	Aluminium	440	115	25	1199	-	1
40	110-130	G13	UVC T8 40W G13	93118811	Quartz	Aluminium	440	117	25	1199	-	1
55	105-125	G13	UVC T8 55W G13	93118812	Quartz	Aluminium	800	125	25	894	-	1
T5 Range												
4	18-24	G5	UVC T5 4W G5	93118813	Quartz	Aluminium	160	12	15	135	-	2
6	36-48	G5	UVC T5 6W G5	93118814	Quartz	Aluminium	160	18	15	212	-	2
8	48-64	G5	UVC T5 8W G5	93118815	Quartz	Aluminium	145	28	15	287	-	2
10	55-70	G5	UVC T5 10W G5	93118816	Quartz	Aluminium	220	30	15	331	-	2
15	59-71	G5	UVC T5 15W G5	93118817	Quartz	Aluminium	300	44	15	436	-	2
20	68-84	G5	UVC T5 20W G5	93118818	Quartz	Aluminium	320	75	15	589	-	2
30	127-147	G5	UVC T5 30W G5	93118819	Quartz	Aluminium	350	107	15	894	-	2
40	127-147	G5	UVC T5 40W G5	93118820	Quartz	Aluminium	350	117	15	1199	-	2
Biax Range												
5	30-40	G23	UVC 5W G23	93118785	Quartz	ABS	180	14	12	107	85	3
7	42-52	G23	UVC 7W G23	93118796	Quartz	ABS	175	16	12	137	115	3
9	54-66	G23	UVC 9W G23	93118797	Quartz	ABS	170	23	12	167	145	3
11	81-99	G23	UVC 11W G23	93118798	Quartz	ABS	155	38	12	237	215	3
13	48-62	GX23	UVC 13W GX23 110V	93118799	Quartz	ABS	300	40	12	186	164	3
5	30-40	2G7	UVC 5W 4P 2G7	93118800	Quartz	ABS	180	14	12	107	85	3
7	42-52	2G7	UVC 7W 4P 2G7	93118801	Quartz	ABS	175	16	12	137	115	3
9	54-66	2G7	UVC 9W 4P 2G7	93118802	Quartz	ABS	170	23	12	167	145	3
11	81-99	2G7	UV11W 4P 2G7	93118877	Quartz	ABS	155	38	12	237	215	3
18	52-64	2G11	UV18W CFL TU	93118450	Quartz	ABS	375	57	17	217	195	3
24	77-97	2G11	UVC 24W 4P 2G11	93118803	Quartz	ABS	345	94	17	317	295	3
36	98-118	2G11	UV36W CFL TU	93118451	Quartz	ABS	435	147	17	411	379	3
40	130-150	2G11	UVC 40W 4P 2G11	93118804	Quartz	ABS	385	155	17	533	501	3
55	110-130	2G11	UVC 55W 4P 2G11	93118805	Quartz	ABS	550	170	17	533	501	3
90	100-120	2G11	UVC 90W 4P 2G11	93118806	Quartz	ABS	800	300	17	533	501	3



SKU	Tungram	Osram	Philips
Discharge - Single Ended Hot Restrike			
93106378	CSR125/SE/HR	HMI125W	MSR125/HR
93106223	CSR 1200 SE/HR/UV- C	HMI1200W/SE	MSR1200/HR
93106389	CSR 1800/SE/HR	HMI1800W/SE/XS	-
93106225	CSR 2500/SE/HR/UV-C	HMI2500W/SE	MSR2500/HR
93106224	CSR 4000SE/HR/UV- C	HMI4000W/SE	MSR4000/HR
93106376	CSR 6000/SE/HR/UV-C	HMI6000W/SE	MSR6000/HR
93106377	CSR18000/DE	HMI18000W	-
Discharge - Single Ended Cold Start			
93106385	CSR700/2/SE	HSR700/2	MSR700/2
93106384	CSR1200/2/SE	HSR1200/2	MSR1200/2

* ENERGY EFFICIENCY CLASS (A-G) according to Commission Regulation (EU) 2019/2015

ABOUT TUNGSRAM

Tungsrám, an iconic name, returned to the global market in 2018 as a premium innovative European technology brand following the acquisition of GE Lighting's general lighting business in Europe, the Middle East, Africa and Turkey as well as GE's global automotive operation.

www.tungsrám.com



Bright
Smart
Future

Our vision for a brighter tomorrow

Tungsrám is shaping the future of urban living providing technology-driven, smart, sustainable solutions for large metropolitan areas using lighting as a platform. From traditional technologies to state-of-the-art LED products, we incorporate energy optimization and system intelligence into our portfolio.

TUNGSRAM™

We in Tungstram Operations Kft. are constantly developing and improving our products. For this reason, all product descriptions in this catalogue are intended as a general guide, and we may change specifications from time to time in the interest of product development, without prior notification or public announcement. All descriptions in this publication present only general particulars of the goods to which they refer and shall not form part of any contract. Data in this guide has been obtained in controlled experimental conditions. However, Tungstram cannot accept any liability arising from the reliance on such data to the extent permitted by law.

Traditional Lamps Product Catalogue September 2021