

LAMPS CATALOGUE
2013

LAMPS CATALOGUE 2013

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LED

X ToLEDo
Non-Directional



X Hi-Spot® RefLED



X RefLED LV SA111



X RefLED 550lm
AR111



X ToLEDo Hi-Pin /
Pygmy



X Microlynx High
Performance



X ToLEDo Tubes



LED Lamps

Our technology has reached the stage where you can confidently replace old technology lamps with the latest LED retrofit lamps for general lighting purposes. Sylvania LED lamps will deliver satisfied customers by replacing incandescent and halogen lamps with LED, keeping the light level and comfort they are used to, but achieving huge energy savings.

We manufacture LED lamps at Sylvania's state-of-the-art facility in Tienen (Belgium) ensuring European craftsmanship. The original halogen GU10 lamp was invented and first produced in our Tienen factory. Our LED lamps share one unique Sylvania design, building on our heritage with the spiralised reflectors used on halogen lamps. Our performance is best in class, making it easier to make the best choice on the market and take no risks on safety or quality. LED lamps contain no mercury, no lead, and achieve up to 90% energy savings, making them very environmentally friendly.



HI-SPOT REFLED ES50 GU10

We invented the original halogen GU10 at our factory in Belgium over 15 years ago. Today we continue to be at the forefront of lamp innovation with breakthroughs in LED. Products include the highly commended HI-SPOT RefLED ES50 GU10 350lm, the first LED retrofit with the power to directly replace a 50W halogen.

HI-SPOT REFLED MR16

A direct replacement for the popular MR16 halogen lamp. Available in 350lm and 450lm, they provide replacement options for both the 35W and 50W halogen versions.

WARRANTY

All lamps have a standard 2 year warranty but some LED lamps have an extended warranty of 3 and 5 years which is highlighted on each page



ToLEDo GLS Satin



ToLEDo GLS Clear

- Up to 80% energy saving compared to incandescent lamps
- Instant light
- 100% retrofit - Same dimensions as incandescent equivalent
- Suitable for replacement of up to 60W incandescent lamps
- Available in Warm White (3000K) and Homelight (2700K)
- Good colour rendering (CRI=80)
- Average rated life 15,000 hrs (except 0026290 - 35,000 hrs)

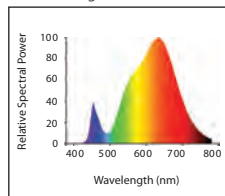

3 YEAR WARRANTY*

ToLEDo GLS

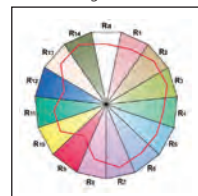
Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Up to 25W incandescent equivalent									
0026150	ToLEDo GLS A60 5W Clear E27 SL	5	100-250	E27	Clear	2700	200	15000	10
0026512	ToLEDo GLS 5W E27 SL	5	200-250	E27	Satin	2700	250	15000	6
0026717	ToLEDo GLS 5W B22 SL	5	200-250	B22	Satin	2700	250	15000	6
40W incandescent equivalent									
0026680	ToLEDo GLS 7,5W E27 SL	7.5	200-250	E27	Satin	2700	470	15000	6
0026719	ToLEDo GLS 7,5W B22 SL	7.5	200-250	B22	Satin	2700	470	15000	6
0026290*	ToLEDo GLS Dimmable 10W E27 SL	10	220-240	E27	Satin	2700	470	35000	10
60W incandescent equivalent									
0026737	ToLEDo GLS 10,5W E27 SL	10.5	200-250	E27	Satin	2700	806	15000	6
0026740	ToLEDo GLS 10,5W B22 SL	10.5	220-240	E27	Satin	2700	806	15000	6

* Only products with an asterisk benefit from longer warranty

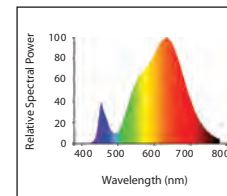
LED-Homelight 827



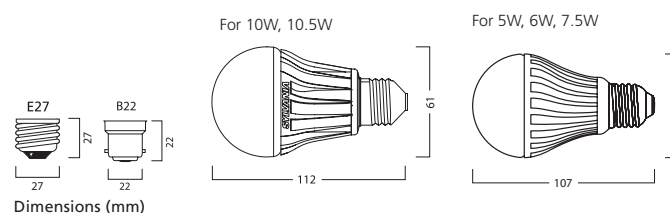
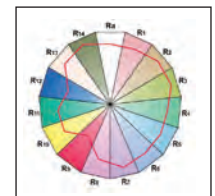
LED-Homelight 827



LED-Warm White 830



LED-Warm White 830



LED1



ToLEDo Ball Satin



ToLEDo Ball Clear



ToLEDo Globe

- Up to 80% energy saving compared to incandescent lamps
- Instant light
- 100% retrofit - Same dimensions as incandescent equivalent
- Suitable for replacement of up to 40W incandescent lamps
- Available in Homelight (2600K) and Homelight Deluxe (2500K)
- Good colour rendering (CRI=80)
- Average rated life 15,000 hrs (except 0025128/0026522 - 25,000 hrs)

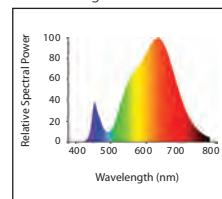


ToLEDo Ball/Globe

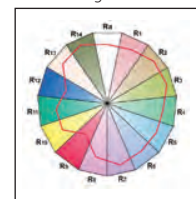
Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
ToLEDo Ball									
0025128*	7 Colour LED Ball E27 Bls Changeable	0.7	220-240	E27	Satin	NA	5	25000	10
0026307	ToLEDo Home Ball 1,5W CI E14 BL	1.5	220-240	E14	Clear	2700	60	15000	10
0026309	ToLEDo Home Ball 1,5W CI E27 BL	1.5	220-240	E27	Clear	2700	60	25000	10
0026162	ToLEDo Ball 3W Clear E14 SL	3	100-250	E14	Clear	2700	90	15000	10
0026186	ToLEDo Ball 3W Clear E27 SL	3	100-250	E27	Clear	2700	90	15000	10
0026164	ToLEDo Ball Satin 2,5W E14 SL	2.5	220-240	E14	Satin	2600	136	15000	10
0026178	ToLEDo Ball Satin 2,5W E27 SL	2.5	220-240	E27	Satin	2600	136	15000	10
0026297	ToLEDo Ball 3W Satin E14 SL	3	220-240	E14	Satin	2500	250	15000	10
0026299	ToLEDo Ball 3W Satin E27 SL	3	220-240	E27	Satin	2500	250	15000	10
ToLEDo Globe									
0026323*	ToLEDo Globe G60 3W Satin E27 SL	3	220-240	E27	G60	2500	250	15000	10
0026910	ToLEDo Globe G60 5W 470LM SL	5	220-240	E27	G60	2500	470	15000	10
0026522*	ToLEDo Globe G95 9W SL	9	220-240	E27	G95	2700	470	25000	6

* Only products with an asterisk benefit from longer warranty

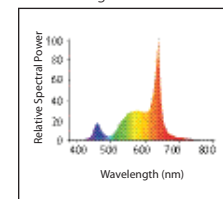
LED-Homelight 826



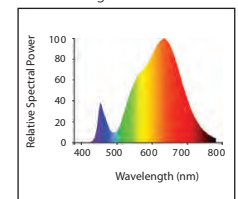
LED-Homelight 826



LED-Homelight Deluxe 925

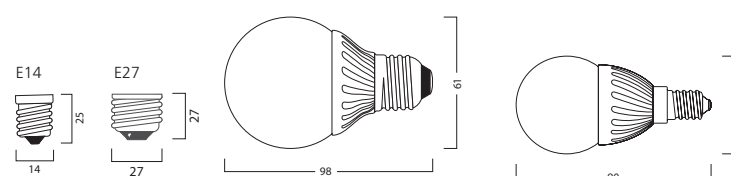


LED-Homelight 827



ToLEDo Globe

ToLEDo Ball



Dimensions (mm)

ToLEDo Candle/Candle Bent-Tip

SYLVANIA



ToLEDo Bent-tip Candle Satin

- Up to 80% energy saving compared to incandescent lamps
- Instant light
- 100% retrofit - Same dimensions as incandescent equivalent
- Suitable for replacement of up to 25W incandescent lamps
- Uniform light distribution
- Available in Homelight (2600K) and Homelight Deluxe (2500K)
- Good colour rendering (CRI=80)
- Average rated life 15,000 hrs



ToLEDo Bent-tip Candle Clear



ToLEDo Candle Satin

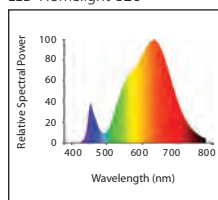


ToLEDo Candle Clear

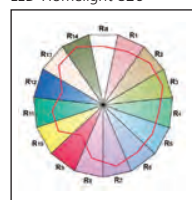
ToLEDo Candle

Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0026304	ToLEDo Home Candle 1,5W CI E14 B	1.5	220-240	E14	Clear	2700	60	15000	10
0026326	ToLEDo Home Twisted Candle 1,5W C E14 B	1.5	220-240	E14	Clear	2700	60	15000	10
0026701	ToLEDo Home Bent Tip 1,5W E14 B	1.5	220-240	E14	Clear	2700	60	15000	10
0026154	ToLEDo Candle 3W Clear E14 SI	3	100-250	E14	Clear	2700	90	15000	10
0026158	ToLEDo Bent Tip 3W CI E14 SI	3	100-250	E14	Clear	2700	90	15000	10
0026156	ToLEDo Candle Satin 2,5W E14 SI	2.5	220-240	E14	Satin	2600	130	15000	10
0026160	ToLEDo Bent Tip 2,5W Satin E14 St	2.5	220-240	E14	Satin	2600	130	15000	10
0026293	ToLEDo Candle 3W Satin E14 SI	3	220-240	E14	Satin	2500	250	15000	10
0026295	ToLEDo Bent Tip 3W Satin E14 SI	3	220-240	E14	Satin	2500	250	15000	10
0026299	ToLEDo Candle 3W Satin Dimmable	3	220-240	E14	Satin	2500	250	15000	10

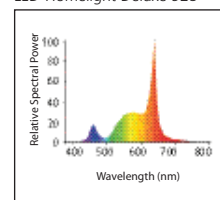
LED-Homelight 826



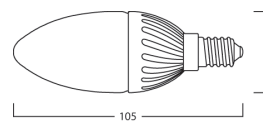
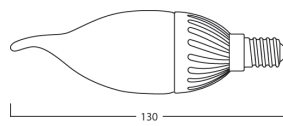
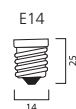
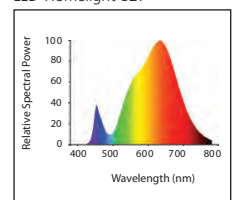
LED-Homelight 826



LED-Homelight Deluxe 925



LED-Homelight 827



Dimensions (mm)

LED3

Hi-Spot® RefLED Home ES50 GU10 150lm Dimmable



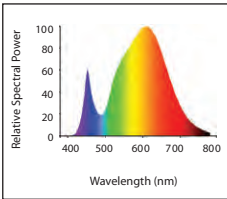
- Up to 80% energy saving compared to incandescent lamps
- Dimmable with most leading edge dimmers
- 30° 4.5W - low energy consumption
- Suitable for indoor application in open/ventilated luminaires
- Suitable for retrofit replacement of mains voltage 25W halogen lamps (220-240V)
- Available in Warm White (3000K)
- High power factor of 0.9
- Good colour rendering (CRI=80)
- Average rated life 25,000 hrs



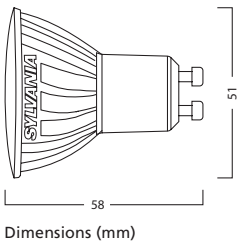
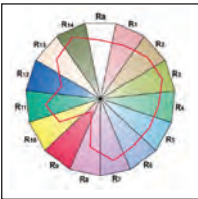
Hi-Spot® RefLED Home ES50 GU10 Dimmable

Code	Description	Watt (W)	Volt (V)	Cap	Beam (°)	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
25W Halogen replacement									
0026490	RefLED Home Dim.Es50 4.5W Gu10 SL	4.5	220-240	GU10	30°	3000	150	25000	10

LED-Warm White 830



LED-Warm White 830



LED4



- Up to 85% energy saving compared to halogen lamps
- True 35W halogen retrofit
- 100% retrofit - IEC standard dimensions
- Beam angle of 25° and 40°
- 51lm/W efficacy
- High light output: 230lm
- Available in Homelight (2700K), Warm White (3000K) and Cool White (4000K)
- Average rated life 25,000 hrs

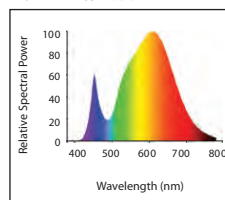


5 YEAR WARRANTY

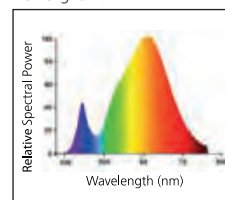
Hi-Spot® RefLED ES50 GU10 230 lm

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0026525	RefLED ES50 230LM 2700K 40° SL	4.5	220-240	40	GU10	2700	230	25000	15
0026526	RefLED ES50 230LM 3000K 25° SL	4.5	220-240	25	GU10	3000	230	25000	15
0026528	RefLED ES50 230LM 3000K 40° SL	4.5	220-240	40	GU10	3000	230	25000	15
0026529	RefLED ES50 230LM 4000K 25° SL	4.5	220-240	25	GU10	4000	230	25000	15

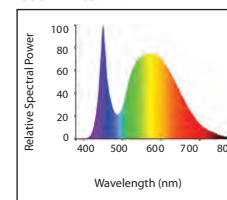
Warm White - 830



Homelight - 827



Cool White 840

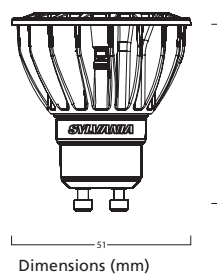


ES50 4.5W 25°

Ø	25°	E _{max} (lx)
ø443mm	1m	900 lx
ø887mm	2m	225 lx
ø1330mm	3m	100 lx
ø1774mm	4m	56 lx

ES50 4.5W 40°

Ø	40°	E _{max} (lx)
ø728mm	1m	400 lx
ø1456mm	2m	100 lx
ø2184mm	3m	44 lx
ø2912mm	4m	25 lx



Hi-Spot® RefLED ES50 GU10 350lm

SYLVANIA

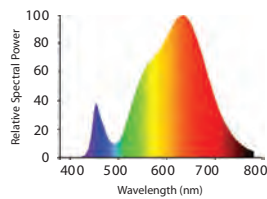


- Up to 85% energy saving compared to halogen lamps
- 7.5W - first true 50W halogen retrofit
- 100% retrofit - IEC standard dimensions
- Beam angle of 25° and 40°
- 51lm/W efficacy
- High light output: comparable to 50W halogen with 350lm for Warm White version (also 385lm for Cool White version)
- Available in Homelight (2700K), Warm White (3000K) and Cool White (4000K)
- Average rated life 25,000 hrs

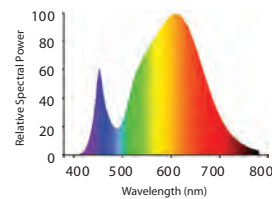


5 YEAR WARRANTY

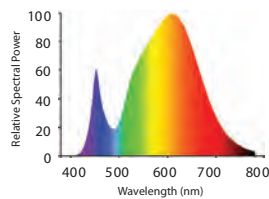
Homelight - 827



Warm white - 830



Cool white - 840



Hi-Spot® RefLED ES50 GU10 350lm

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)
0026746	RefLED ES50 7,5 W 350 LM 2700K 25 NON-DIM SL	7.5	200-250	GU10	2700	350	25000
0026748	RefLED ES50 7,5W 350 LM 2700K 40 NON-DIM SL	7.5	200-250	GU10	2700	350	25000
0026747	RefLED ES50 7,5W 350 LM 3000K 25 NON-DIM SL	7.5	200-250	GU10	3000	350	25000
0026749	RefLED ES50 7,5W 350 LM 3000K 40 NON-DIM SL	7.5	200-250	GU10	3000	350	25000
0026770	RefLED ES50 7,5 W 350 LM 4000K 25 NON-DIM SL	7.5	200-250	GU10	4000	385	25000
0026771	RefLED ES50 7,5W 350 LM 4000K 40 NON-DIM SL	7.5	200-250	GU10	4000	385	25000
0026760	RefLED Es50 350LM 2700K 40° Orange base SL	7.5	200-250	GU10	2700	350	25000
0026761	RefLED Es50 350LM 2700K 40° Red base SL	7.5	200-250	GU10	2700	350	25000
0026762	RefLED Es50 350LM 2700K 40° Blue base SL	7.5	200-250	GU10	2700	350	25000
0026763	RefLED Es50 350LM 2700K 40° White base SL	7.5	200-250	GU10	2700	350	25000

ES50 7.5W 827 25°

Ø	25°	E _{max} (lx)
ø443mm	1m	1200 lx
ø887mm	2m	300 lx
ø1330mm	3m	133 lx
ø1774mm	4m	75 lx

ES50 7.5W 830 25°

Ø	25°	E _{max} (lx)
ø443mm	1m	1200 lx
ø887mm	2m	300 lx
ø1330mm	3m	133 lx
ø1774mm	4m	75 lx

ES50 7.5W 840 25°

Ø	25°	E _{max} (lx)
ø443mm	1m	1320 lx
ø887mm	2m	330 lx
ø1330mm	3m	147 lx
ø1774mm	4m	83 lx

ES50 7.5W GU10 827 40°

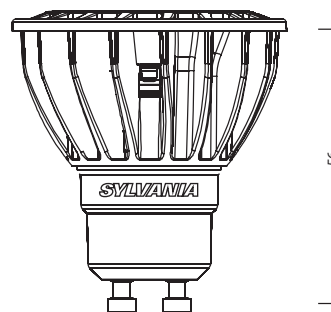
Ø	40°	E _{max} (lx)
ø728mm	1m	600 lx
ø1456mm	2m	150 lx
ø2184mm	3m	67 lx
ø2912mm	4m	38 lx

ES50 7.5W GU10 830 40°

Ø	40°	E _{max} (lx)
ø728mm	1m	600 lx
ø1456mm	2m	150 lx
ø2184mm	3m	67 lx
ø2912mm	4m	38 lx

ES50 7.5W 840 40°

Ø	40°	E _{max} (lx)
ø728mm	1m	660 lx
ø1456mm	2m	165 lx
ø2184mm	3m	73 lx
ø2912mm	4m	41 lx



Dimensions (mm)

LED6

Hi-Spot® Ref LED ES50 GU10 350lm Dimmable

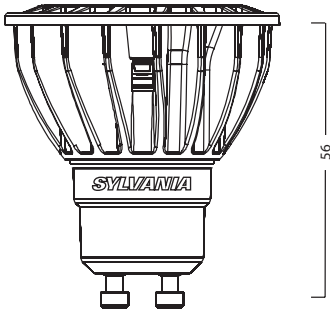
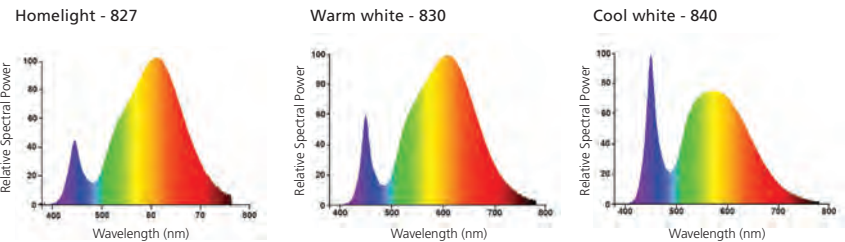


- Up to 90% energy saving compared to halogen lamps
- Fully dimmable on leading and trailing edge dimmers
- 5.5W - low energy consumption
- Beam angle of 25° and 40°
- High light output: comparable to 50W halogen with 350lm
- Available in Homelight (2700K), Warm White (3000K) and Cool White (4000K)
- Average rated life 25,000 hrs
- Energy Class A+



Hi-Spot® Ref LED ES50 GU10 350lm Dimmable

Code		Watt (W)	Volt (V)	Colour Temp (K)	Cap	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
50W Halogen replacement Dimmable								
0026360	DIM RefLED ES50 350LM 2700K 25°	5.5	200-250	2700	GU10	350	25000	15
0026361	DIM RefLED ES50 350LM 2700K 40°	5.5	200-250	2700	GU10	350	25000	15
0026362	DIM RefLED ES50 350LM 3000K 25°	5.5	200-250	3000	GU10	350	25000	15
0026363	DIM RefLED ES50 350LM 3000K 40°	5.5	200-250	3000	GU10	350	25000	15
0026364	DIM RefLED ES50 350LM 4000K 25°	5.5	200-250	4000	GU10	350	25000	15
0026365	DIM RefLED ES50 350LM 4000K 40°	5.5	200-250	4000	GU10	350	25000	15



51
Dimensions (mm)

Hi-Spot® RefLED ES50 GU10 450lm



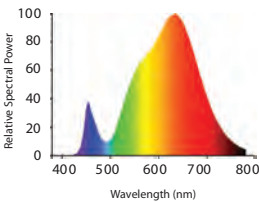
- Up to 85% energy saving compared to halogen lamps
- 7W - first true 65W halogen retrofit
- 100% retrofit - IEC standard dimensions
- Beam angle of 25° and 40°
- 64lm/W high efficacy (Cool White)
- High light output: 450lm for Warm White version
- Available in Homelight (2700K), Warm White (3000K) and Cool White (4000K)
- High power factor of 0.8
- Average rated life 25,000 hrs
- Energy Class A+



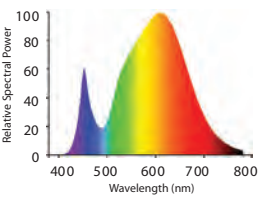
Hi-Spot® RefLED ES50 GU10 450lm

Code	Description	Watt (W)	Volt (V)	Colour Temp (K)	Cap	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
65W Halogen replacement 450lm								
0026308	RefLED ES50 450LM 2700K 25°	7	230	2700	GU10	450	25000	15
0026310	RefLED ES50 450LM 2700K 40°	7	230	2700	GU10	450	25000	15
0026311	RefLED ES50 450LM 3000K 25°	7	230	3000	GU10	450	25000	15
0026312	RefLED ES50 450LM 3000K 40°	7	230	3000	GU10	450	25000	15
0026313	RefLED ES50 450LM 4000K 25°	7	230	4000	GU10	450	25000	15
0026314	RefLED ES50 450LM 4000K 40°	7	230	4000	GU10	450	25000	15
0026319	RefLED WHITE ES50 450LM 2700K 40°	7	200-250	2700	GU10	450	25000	15
0026320	RefLED WHITE ES50 450LM 3000K 40°	7	200-250	3000	GU10	450	25000	15

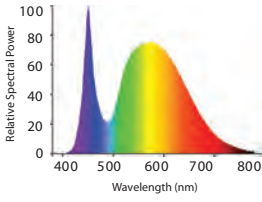
Homelight - 827



Warm white - 830



Cool white - 840

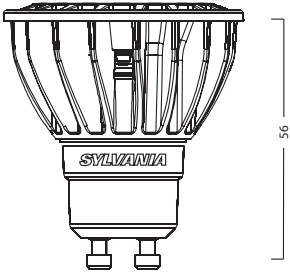


827 25°

θ	25°	E _{max} (lx)
φ443mm	1m	1800 lx
φ887mm	2m	450 lx
φ1330mm	3m	200 lx
φ1774mm	4m	113 lx

827 40°

θ	40°	E _{max} (lx)
φ728mm	1m	900 lx
φ1456mm	2m	225 lx
φ2184mm	3m	100 lx
φ2912mm	4m	56 lx



Dimensions (mm)

Hi-Spot® RefLED PAR16/20/30



Hi-Spot RefLED Par 16



Hi-Spot RefLED Par 20



Hi-Spot RefLED Par 30

- Up to 80-90% energy saving compared to halogen lamps
- Suitable for retrofit replacement of incandescent and halogen PAR lamps (220-240V)
- Uniform light distribution
- Light output matching 35-50-70W halogen
- Available in Warm White (3000K)
- Good colour rendering (CRI=80)
- Average rated life 15,000 or 30,000 hrs

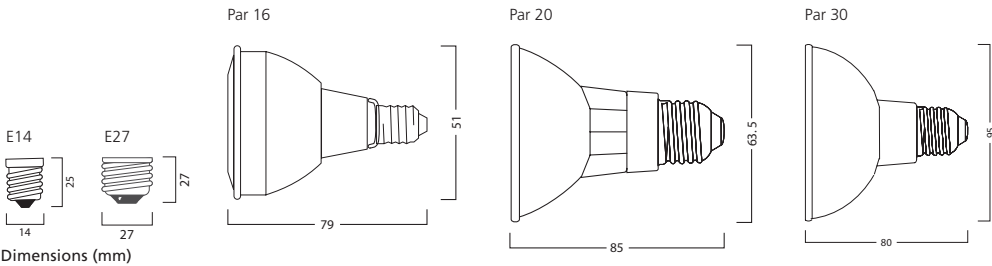
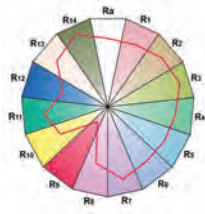
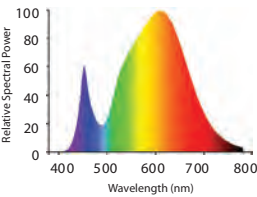


Hi-Spot® RefLED PAR16/20/30

Code	Description	Watt (W)	Volt (V)	Colour Temp (K)	Cap	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0025171	Hi-Spot RefLED PAR16 SI	3.5	100-250	3000	E14	175	15000	10
0025176	Hi-Spot RefLED PAR16 SI	3.5	100-250	4000	E14	185	15000	10
0126705*	Hi-Spot RefLED PAR 20 SL	5.5	100-250	3000	E27	300	30000	10
0126707*	Hi-Spot RefLED PAR 30 SL	11	100-250	3000	E27	680	30000	10

* Only products with an asterisk benefit from longer warranty

Warm White - 830





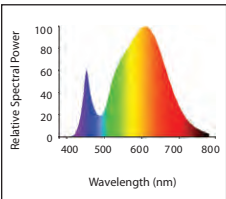
- Up to 90% energy saving compared to halogen lamps
- Weather resistant - suitable for exterior lighting with suitably rated luminaire
- Suitable for retrofit replacement of incandescent and halogen PAR lamps (220-240V)
- Available in Warm White (3000K)
- Good colour rendering (CRI=85)
- Average rated life 30,000 hrs



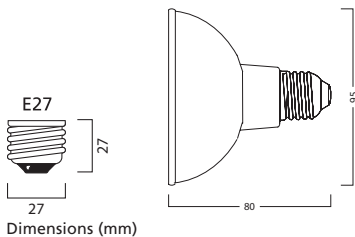
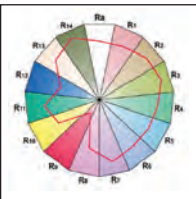
Hi-Spot® RefLED PAR38 Outdoor SL

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0026500	Hi Spot RefLED PAR38 Outdoor SL	10	100-250	E27	3000	750	30000	10
0026501	Hi Spot RefLED PAR38 3000K SL	10	100-250	E27	3000	900	30000	10

LED-Warm White 830



LED-Warm White 830





Compatible with 12V
DC transformer
available
Sylvania code **3036290**

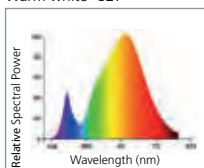
- Up to 80% energy saving compared to incandescent lamps
- 100% retrofit - IEC standard dimensions
- Suitable for use in bathrooms when installed in an IP44 rated fixture
- Available in Homelight (2700K), Warm White (3000K) and Cool White (4000K)
- High power factor of 0.8
- Fully compatible with magnetic transformers and broad compatibility with many electronic transformers
- Without cooling fan for quiet operation
- Driver 12V DC compatible with MR16 LED retrofit lamps
- Dimmable when use on magnetic dimmable transformers
- Average rated life 25,000 hrs



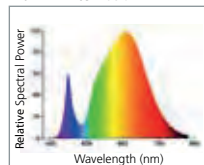
Hi-Spot® RefLED MR16 350lm & 450lm Dimmable

Code	Description	Watt (W)	Volt (V)	Cap	Beam (°)	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)
0026306	DIM RefLED MR16 7W 350lm	7	12	GU5.3	25	3000	350	25000
0026340	DIM RefLED MR16 7W 350lm	7	12	GU5.3	40	3000	350	25000
0026341	DIM RefLED MR16 7W 350lm	7	12	GU5.3	40	2700	350	25000
0026351	DIM RefLED MR16 7W 350lm	7	12	GU5.3	40	4000	450	25000
0026350	DIM RefLED MR16 7W 450lm	7	12	GU5.3	40	2700	450	25000
0026342	DIM RefLED MR16 7W 450lm	7	12	GU5.3	40	4000	450	25000

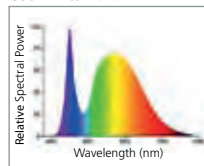
Warm white- 827



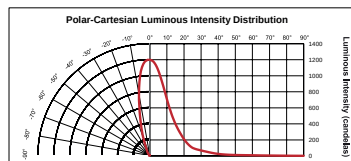
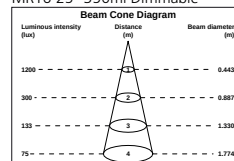
Warm white - 830



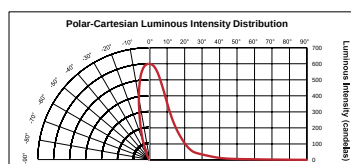
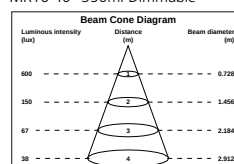
Cool white - 840



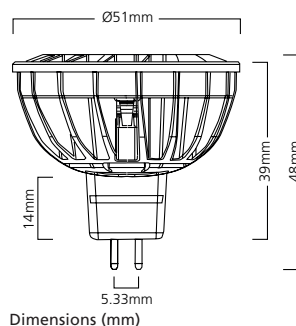
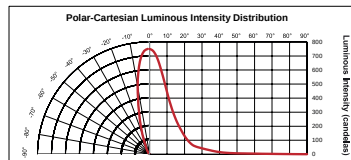
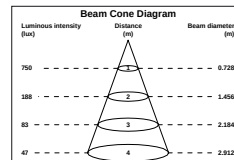
MR16 25° 350lm Dimmable



MR16 40° 350lm Dimmable



MR16 40° 450lm Dimmable



Dimensions (mm)



- Authentic SA 111 with aluminium patented spiralised reflector design offering uniform light distribution
- Only LED retrofit lamp that has the same attractive design as the halogen, due to LED's being placed at the back of the ant glare shield
- Very low glare
- Available in 3000K Warm white light (halogen-like)
- Comes in 10°, 25°, and 40° beam angles
- Short pay back period, high energy savings compared to halogen lamps
- Recommend using a Lumiance Lumidriver (Item code: 3036290)
- Can be used on Lumiance Expospot and Motto luminaires
- Average rated life 25,000 hrs

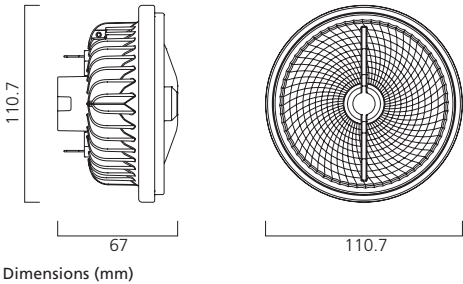
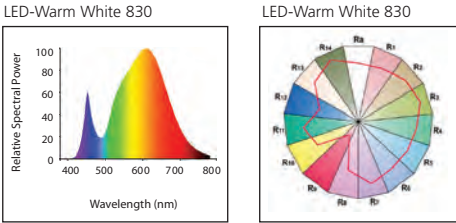


RefLED LV SA111

Code	Description	Watt (W)	Volt (V)	Cap	Beam (°)	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0026315	RefLED SA111 10° SL Warm White	11	12V AC/DC	G53	10	3000	300	25000	10
0026316	RefLED SA111 25° SL Warm White	11	12V AC/DC	G53	25	3000	300	25000	10
0026317	RefLED SA111 40° SL Warm White	11	12V AC/DC	G53	40	3000	300	25000	10



Compatible with 12V DC transformer available
Sylvania code 3036290





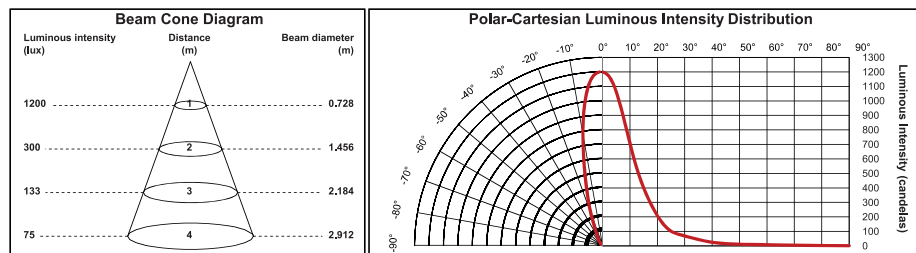
- 10W, low energy consumption product with low maintenance costs
- Good colour rendering CRI 80
- High output of 550lm
- High power factor, 0.9
- Fully dimmable on magnetic transformers
- Same size as halogen lamps, fits AR111 luminaires
- Broad compatibility with dimmers and high frequency electronic transformers
- Average rated life 50,000 hrs



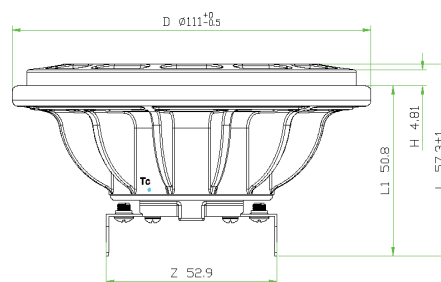
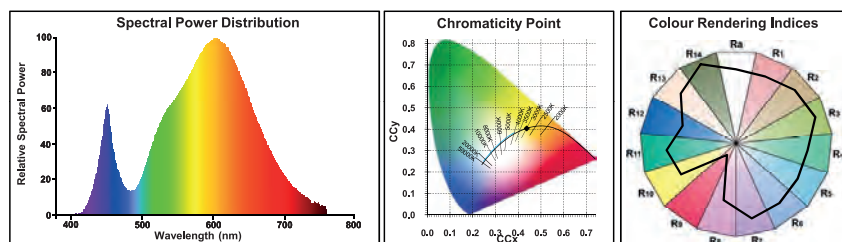
RefLED AR111 550lm

Code	Description	Watt (W)	Volt (V)	Cap	Beam (°)	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)
0026402	DIM RefLED 550lm AR111 10W 40°	10	12	G53	40	3000	550	50000
0026403	DIM RefLED 550lm AR111 10W 25°	10	12	G53	25	3000	550	50000

DIM RefLED AR111 550LM 3000K 40°



Warm white - 827



Dimensions (mm)



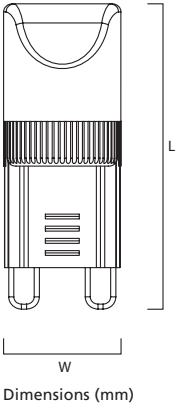
- Up to 80% energy saving compared to halogen lamps
- Easy installation with G9 Plug-in base
- Suitable for use in open luminaire following Luminaire standard EN60598-1
- 100% retrofit - compact size for existing fittings
- Uniform light distribution
- Available in Warm White (2700K)
- Average rated life 15,000 hrs



ToLEDo HI-PIN G9

Code	Description	Watt (W)	Volt (V)	Colour Temp (K)	Cap	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0026730	LED Hi-Pin G9 Frosted SL	1	220-250	2700	G9	55	15000	6
0126730	LED Hi-Pin G9 Frosted 80LM SL	1.5	220-250	2700	G9	80	15000	6

Dimensions (mm)		
G9	0026730	0126730
H	39	47
W	15	14



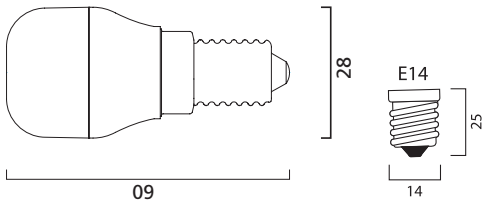


- 100% retrofit: direct incandescent lamp replacement
- Robust compact size
- IP65 lamp: water and dust resistant
- Very low energy consumption
- 3000K Warm white
- Excellent light effect and colour rendering (Ra CRI = 90)
- Average rated life 15,000 hrs



ToLEDo Special Pygmy

Code	Description	Watt (W)	Volt (V)	Colour Temp (K)	Cap	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0026510	ToLEDo SPECIAL PYGMY SL	1.5	220-240	3000	E14	60	15000	6



Dimensions (mm)



Micro-Lynx LED Satin (front view)



Micro-Lynx LED Satin (side view)



Micro-Lynx LED Clear (front view)



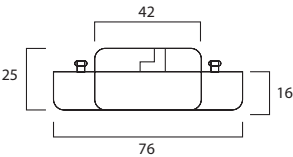
Micro-Lynx LED Clear (side view)

- High lumen output: 250lm (3000K)
- Comes in 2700K Homelight, 3000K Warm white, 4000K Cool White and 6000K Daylight
- Instant start
- Comes in clear or satin finish
- Compatible with Lumiance Insaver & Microsaver (Recessed, Semi-Recessed & Surface mounted)
- Average rated life 15,000 hrs



LED Micro-Lynx 250ml

Code	Description	Watt (W)	Volt (V)	Colour Temp (K)	Cap	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0026664	Micro-Lynx LED 4W Clear 2700K	4	220-240	2700	GX53	250	15000	6
0026780	Micro-Lynx LED 4W Clear 3000K	4	220-240	3000	GX53	250	15000	6
0026781	Micro-Lynx LED 4W Clear 4000K	4	220-240	4000	GX53	260	15000	6
0026830	Micro-Lynx LED 4W Clear 6000K	4	220-240	6000	GX53	300	15000	6
0026782	Micro-Lynx LED 4W Satin 2700K	4	220-240	2700	GX53	250	15000	6
0026783	Micro-Lynx LED 4W Satin 3000K	4	220-240	3000	GX53	250	15000	6
0026666	Micro-Lynx LED 4W Satin 4000K	4	220-240	4000	GX53	260	15000	6
0026831	Micro-Lynx LED 4W Satin 6000K	4	220-240	6000	GX53	300	15000	6



Dimensions (mm)



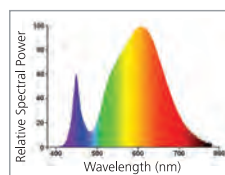
- Retrofit with most of T8 luminaires
- LED technology: up to 50% energy savings
- Available in 10W, 15W, 20W and 25W
- Available in 3000K Warm white, 4000K Cool white and 6500K Daylight
- Good colour rendering (CRI = 80)
- Satin cover to reduce glare
- Light is directed downward, no reflector losses
- Instant light: full output achieved without any warm-up time or noise
- Maximum resistance to switching loads
- Low temperature operation, not impacted by the cold (-30°C to +40°C)
- Eco-friendly lamp: mercury-free
- Fully compatible with magnetic ballasts, fastest way to upgrade existing fluorescent luminaires to LED
- Fully integrated electronics for compliant operation on 220-240V
- Fully compliant with IEC standard 62560, ensuring safe operation
- Simple installation: no need to change or to rewire the luminaire required (see below Instruction for magnetic ballast)
- Lamps are not suitable for use with electronic ballasts
- Rotatable end cap
- Average rated life 40,000 hours



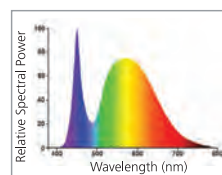
ToLEDo Tube

Code	Description	Watt (W)	Volt (V)	Colour Temp (K)	Cap	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
2F								
0027005	ToLEDo Tube 2F 10W 3000K	10	220-240	3000	G13	760	40000	20
0027006	ToLEDo Tube 2F 10W 4000K	10	220-240	4000	G13	760	40000	20
0027007	ToLEDo Tube 2F 10W 6500K	10	220-240	6500	G13	800	40000	20
4F								
0027009	ToLEDo Tube 4F 3000K	20	220-240	3000	G13	1600	40000	20
0027010	ToLEDo Tube 4F 4000K	20	220-240	4000	G13	1600	40000	20
0027011	ToLEDo Tube 4F 6500K	20	220-240	6500	G13	1680	40000	20
5F								
0027012	ToLEDo Tube 5F 4000K	25	220-240	4000	G13	1800	40000	20
6F								
0027013	ToLEDo Tube 6FT 4000 K	-	220-240	4000	G13	-	40000	20

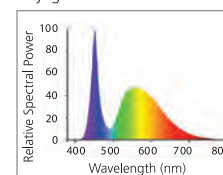
Warm White - 830



Cool white - 840



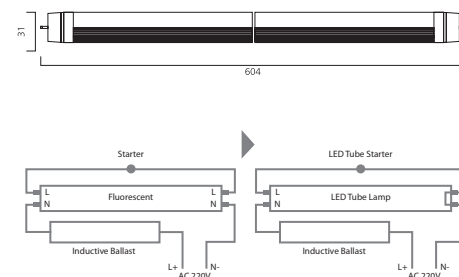
Daylight - 865



LED ToLEDo Tube

Installation instructions for magnetic ballast

- No need to change luminaire or rewire the fixture
- Remove existing starter and replace with the starter provided with lamp (See instruction below)
- Only suitable for use with MAGNETIC BALLAST, cannot be used with electronic ballasts



Dimensions (mm)



HID

- X Superia CMI
- X Superia CMI Mini
- X Superia CMI BriteSpot
- X Superia CMI-TT
- X CMI
- X UrbanWhite
- X Quartz Britespot
- X HSI
- X High Pressure Sodium
- X Mercury Discharge
- X Low Pressure Sodium
- X BriteTronic™ Electronic Control Gear



HID Lamps

High Intensity Discharge (HID) lamps comprise four major groups – metal halide, high pressure sodium, high pressure mercury and low pressure sodium – HID lamps meet a variety of lighting needs for interior and exterior applications. Sylvania's range of discharge lamps are characterised by quality materials, certified manufacturing techniques and stringent quality control procedures, to ensure the highest performance and reliability standards.

Superia CMI

Sylvania Superia CMI is our new generation ceramic metal halide range characterized by its unique one-piece elliptical arc tube. With its best in class red rendition, Superia CMI performs best in retail and display lighting, shop windows, museums and galleries.

CMI

Sylvania CMI represents a breakthrough in metal halide lamps. We have combined long life and excellent lumen maintenance in the CMI range to allow displays to look more vibrant and fresher, for longer. Available in all lamp finishes, colour temperatures and wattages the Sylvania CMI offers the full range portfolio to deliver strong accent lighting performance.





CMI-T



CMI-TC



CMI-TD

- Unique one-piece elliptical arc tube
- Ceramic arc tube ensures colour uniformity and stability throughout lamp life
- Very high luminous efficiency in a compact lamp format
- Excellent colour rendering
- UV-stop quartz reduces colour fading of merchandise
- For use only in luminaires equipped with a protective cover glass
- Applications in both interior and exterior lighting – shops, hotel lobbies and architectural
- WDL types can be operated on electronic and electromagnetic gear. NDL types have reduced life when operated on electromagnetic gear

CMI-T / CMI-TC



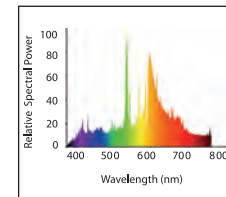
CMI-TD



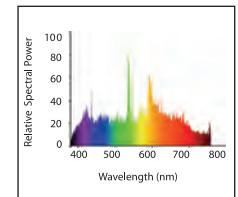
Superia CMI-T/ CMI-TC / CMI-TD

Code	Description	Watt (W)	Lamp Finish	Cap/Base	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Superia CMI-T									
0020296	Superia CMI-T 20W/WDL	20	Clear	G12	3000	85	1900	15000	12
0020300	Superia CMI-T 35W/WDL	35	Clear	G12	3000	91	4000	15000	12
0020290	Superia CMI-T 35W/NDL	35	Clear	G12	4200	92	4000	15000	12
0020293	Superia CMI-T 50W WDL	50	Clear	G12	3000	87	4900	15000	12
0020301	Superia CMI-T 70W/WDL	70	Clear	G12	3000	90	7300	15000	12
0020305	Superia CMI-T 70W/NDL	70	Clear	G12	4200	96	7300	15000	12
0020295	Superia CMI-T 100W WDL	100	Clear	G12	3000	83	10500	15000	12
0020302	Superia CMI-T 150W/WDL	150	Clear	G12	3000	90	15000	15000	12
0020306	Superia CMI-T 150W/NDL	150	Clear	G12	4200	96	15000	15000	12
Superia CMI-TC									
0020297	Superia CMI-TC 20W/WDL	20	Clear	G12	3000	85	1900	15000	12
0020303	Superia CMI-TC 35W/WDL	35	Clear	G8.5	3000	91	4000	15000	12
0020291	Superia CMI-TC 35W/NDL	35	Clear	G8.5	4200	94	4000	15000	12
0020294	Superia CMI-TC 50W/WDL	50	Clear	G8.5	3000	87	4900	15000	12
0020304	Superia CMI-TC 70W/WDL	70	Clear	G8.5	3000	94	7300	15000	12
0020292	Superia CMI-TC 70W/NDL	70	Clear	G8.5	4200	96	7300	15000	12
Superia CMI-TD									
0020307	Superia CMI-TD 70W/WDL	70	Clear	RX7s	Clear	90	6900	15000	12
0020308	Superia CMI-TD 70W/NDL	70	Clear	RX7s	Clear	96	7000	15000	12
0020309	Superia CMI-TD 150W/WDL	150	Clear	RX7s-24	Clear	93	15000	15000	12
0020310	Superia CMI-TD 150W/NDL	150	Clear	RX7s-24	Clear	93	15000	15000	12

Ceramic Metal Halide CMI WDL

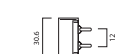


Ceramic Metal Halide CMI NDL



CMI-T	35W	70W	150W
D	20	20	20
L	90	90	100
CMI-TD		70W	150W
D		22	25
L		118	135
CMI-TC	35W	70W	
D	17	17	
L	85	85	

G12



RX7s



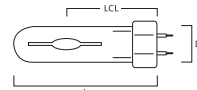
RX7s-24



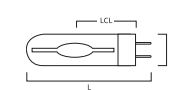
G8.5



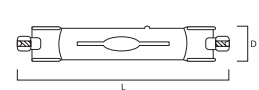
Superia CMI-T



Superia CMI-TC



Superia CMI-TD



Superia CMI-T_{mini}CMI-R_{BriteSpot}

- Ceramic arc tube to ensure reliability, colour uniformity and stability throughout lamp life
- Unique one piece elliptical arc tube for highest efficacy combined with excellent colour rendition
- Very compact lamp design, allowing for compact fixture developments
- Easy to install and robust GX10 or GU6.5 twist and lock lamp base
- Crisp warm white light allowing significant energy saving versus low voltage halogen:
Superia CMI 20W ~ Low Voltage Halogen 50W
- Operation on electronic control gear for 20W metal halide

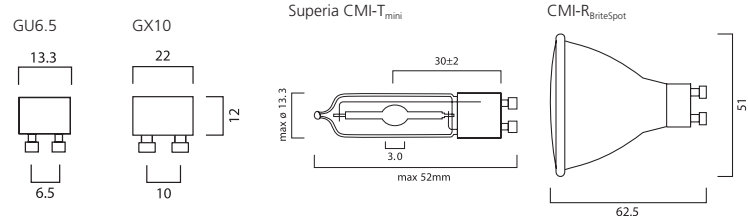
Superia CMI-T_{mini}Superia CMI-R_{BriteSpot}Superia CMI-T_{mini}

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0020311	Superia CMI-T mini 20W/WDL	20	Clear	GU6.5	3000	85	1900	15000	12

Superia CMI-R_{BriteSpot}

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
0020312	Superia CMI-R BriteSpot ES50 20W 24°	20	Clear	GX10	3000	85	3600	12000	15
0020313	Superia CMI-R BriteSpot ES50 20W 38°	20	Clear	GX10	3000	85	2100	12000	15
0020314	Superia CMI-R BriteSpot ES50 20W 60°	20	Clear	GX10	3000	85	1000	12000	15

Dimensions (mm)

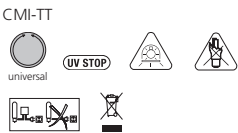


Superia CMI-TT



CMI-TT

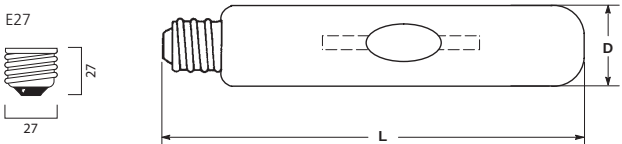
- Unique one-piece elliptical arc tube.
- Ceramic arc tube ensures colour uniformity and stability throughout lamp life.
- Very high luminous efficiency in a compact lamp format.
- Excellent colour rendering.
- For use only in luminaires equipped with a protective cover glass.
- CMI-TT lamps can directly replace High Pressure Sodium lamps for simple conversion to white light.
- Exterior applications such as car parks, perimeter lighting, security and building entrances.



SUPERIA CMI-TT

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Initial Lumens (lm)	Average Rated Life (Hrs)	Packing Qty
0020379	SUPERIA CMI-TT 50W/WDL	50	Clear	E27	3000	84	5000	15,000	12
0020380	SUPERIA CMI-TT 70W/WDL	70	Clear	E27	3000	89	7400	15,000	12
0020381	SUPERIA CMI-TT 100W/WDL	100	Clear	E40	3000	85	10,800	15,000	12
0020382	SUPERIA CMI-TT 150W/WDL	150	Clear	E40	3000	82	15,000	15,000	12

CMI-TT	70W	100W	150W
L	156	211	211
D	39	48	48

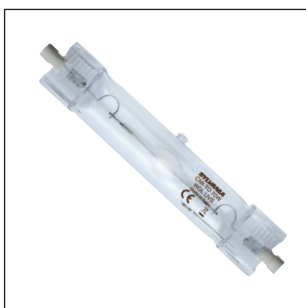




CMI-T



CMI-TC



CMI-TD

- Unique one-piece elliptical arc tube
- Ceramic arc tube ensures colour uniformity and stability throughout lamp life
- Very high luminous efficiency in a compact lamp format
- Excellent colour rendering
- UV-stop quartz reduces colour fading of merchandise
- For use only in luminaires equipped with a protective cover glass
- Applications in both interior and exterior lighting - shops, hotel lobbies and architectural floodlighting
- WDL types can be operated on electronic and electromagnetic gear. NDL types have reduced life when operated on electromagnetic gear

CMI-T / CMI-TC



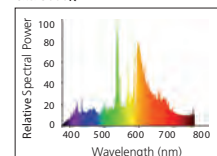
CMI-TD



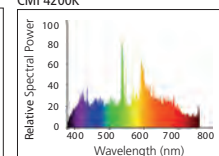
CMI-T / CMI-TC / CMI-TD

Code	Description	Watt (W)	Lamp Finish	Cap/Base	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
CMI-T									
0020365	CMI-T 35W/WDL	35	Clear	G12	3000	86	3750	12,000	12
0020367	CMI-T 35W/NDL	35	Clear	G12	4200	91	3700	12,000	12
0020369	CMI-T 70W/WDL	70	Clear	G12	3000	87	6700	12,000	12
0020371	CMI-T 70W/NDL	70	Clear	G12	4200	93	6700	12,000	12
0020375	CMI-T 150W/WDL	150	Clear	G12	3000	86	13800	12,000	12
0020376	CMI-T 150W/NDL	150	Clear	G12	4200	91	13500	12,000	12
CMI-TC									
0020366	CMI-TC 35W/WDL	35	Clear	G8.5	3000	87	3750	12,000	12
0020368	CMI-TC 35W/NDL	35	Clear	G8.5	4200	90	3750	12,000	12
0020370	CMI-TC 70W/WDL	70	Clear	G8.5	3000	89	6700	12,000	12
0020374	CMI-TC 70W/NDL	70	Clear	G8.5	4200	93	6700	12,000	12
CMI-TD									
0020372	CMI-TD 70W/WDL	70	Clear	Rx7s	3000	86	6500	12,000	12
0020373	CMI-TD 70W/NDL	70	Clear	RX7s	4200	93	6300	12,000	12
0020377	CMI-TD 150W/WDL	150	Clear	Rx7s-24	3000	86	13700	12,000	12
0020378	CMI-TD 150W/NDL	150	Clear	Rx7s-24	4200	90	13000	12,000	12

CMI 3000K



CMI 4200K



Dimensions	35W	70W	150W
L / Length (mm)	90	90	100

Dimensions	35W	70W
L / Length (mm)	85	85

Dimensions	70W	150W
L / Length (mm)	117.6	135.4
D / Diameter (mm)	22	25

G12



RX7s



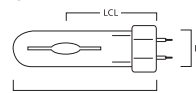
RX7s-24



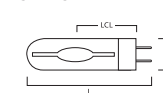
G8.5



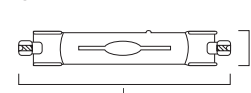
CMI-T



CMI-TC



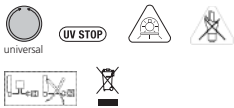
CMI-TD



Dimensions (mm)



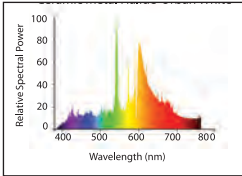
- Maximum performance of up to 118 lm/W
- High system efficacy for energy saving between 30% - 70% compared to SHP and HSL options
- Reduced CO2 emissions for a cleaner environment
- Improved colour rendering compared to SHP
- Precise optical positioning and fixation due to the PGZ12 twist and lock cap
- Optimal service life of 4 years
- Compact size for modern high-performance luminaires
- White light solution of outdoor applications using Ceramic Metal Halide technology



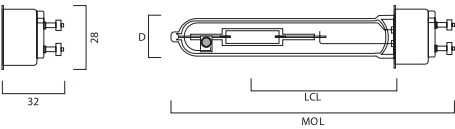
Urbanwhite

Code	Description	Watt (W)	Volt (V)	Current (A)	Lamp Finish	Cap	Colour Temp (K)	Luminous Flux (lm)	Packing Qty
UrbanWhite									
0020360	UrbanWhite CMO-TW 45W	45	90	0.5	Clear	PGZ12	2720	4300	12
0020361	UrbanWhite CMO-TW 60W	60	92	0.65	Clear	PGZ12	2730	6850	12
0020362	UrbanWhite CMO-TW 90W	90	92	0.98	Clear	PGZ12	2880	10450	12
0020363	UrbanWhite CMO-TW 140W	140	94	1.49	Clear	PGZ13	2860	16500	12

Ceramic Metal Halide-Urban White



Urban White	45W	60W	90W	140W
LCL	59	59	66	66
MOL	135	135	140	150
D	19	19	19	19





- The most compact quartz metal halide reflector lamp available, with stable light colour both initially and throughout life
- Crisp, powerful white light with outstanding colour rendering index of Ra90
- Three times more light compared to low voltage halogen lamps and reduced maintenance costs as a result of the long average lamp life
- Easy to install thanks to the robust new GX10 twist lock cap
- Extremely fast run-up (within less than 1 minute) with special design for safe failure at end of life
- Operation on compatible electronic gear as listed on the corporate website (www.havells-sylvania.com)
- Wide range of interior applications in retail, restaurants, hotels, galleries and residential

BriteSpot ES

Vertically ±90°

UV STOP

COOL BEAM

BriteSpot ESD

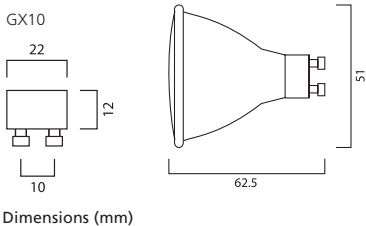
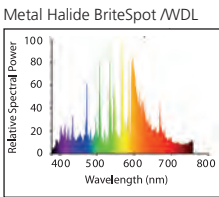
universal

UV STOP

COOL BEAM

Britespot ES50™ / ESD50™

Code	Description	Watt (W)	Cap	Colour Temp (K)	CRI	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
BriteSpot ES50™								
0020272	BriteSpot ES50 35W 24°	35	GX10	3000	90	7000	6000	15
0020270	BriteSpot ES50 35W 38°	35	GX10	3000	90	4000	6000	15
0020271	BriteSpot ES50 35W 60°	35	GX10	3000	90	2000	6000	15
BriteSpot ESD50™ Dichroic								
0020273	BriteSpot ESD50 35W 24°	35	GX10	3000	90	7000	6000	15
0020274	BriteSpot ESD50 35W 38°	35	GX10	3000	90	4000	6000	15
0020275	BriteSpot ESD50 35W 60°	35	GX10	3000	90	2000	6000	15

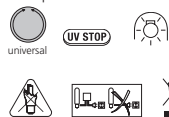


BriteSpot ES111™ / ESD111™

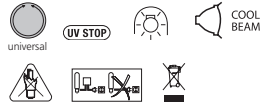


- Attractively styled lamp adds a touch of class to lighting designs
- Very high efficiency thanks to the large reflector and patented anti-glare optics
- Crisp, powerful white light with outstanding colour rendering index of Ra90
- Extremely high intensity possible with narrow beam versions, ideal for accent lighting
- Easy to install due to the robust new GX10 twist and lock cap
- Operation on compatible electronic gear as listed on the corporate website (www.havells-sylvania.com)
- Wide range of interior applications in shops, restaurants, hotels, galleries and many other cultural and leisure venues

BriteSpot ES

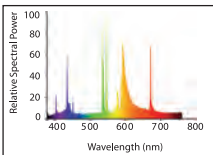


BriteSpot ESD

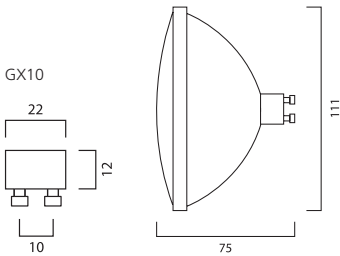


Britespot ES111™ / ESD111™

Code	Description	Watt (W)	Cap	Colour Temp (K)	CRI	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
BriteSpot ES111™								
0020200	BriteSpot ES111 35W 8°	35	GX10	3000	90	40000	6000	15
0020201	BriteSpot ES111 35W 24°	35	GX10	3000	90	10000	6000	15
0020202	BriteSpot ES111 35W 45°	35	GX10	3000	90	3500	6000	15
BriteSpot ESD111™ Dichroic								
0020207	BriteSpot ESD111 70W 24°	70	GX10	3000	90	20000	6000	15
0020208	BriteSpot ESD111 70W 45°	70	GX10	3000	90	7000	6000	15



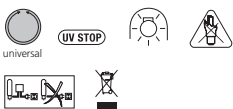
Metal Halide BriteSpot / WDL



Dimensions (mm)

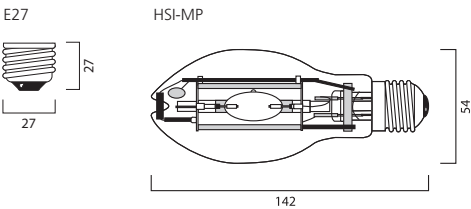
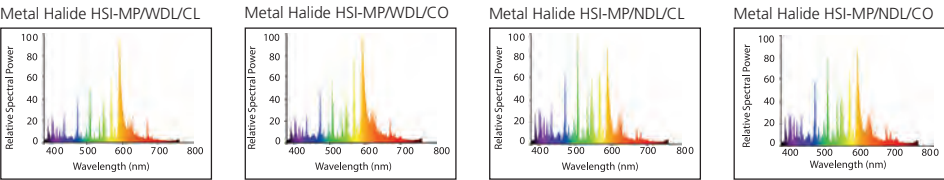


- A family of metal halide lamps specially designed for open and enclosed fixtures
- Lamps can directly replace High Pressure Sodium lamps to turn yellow installations to white light, simply by changing the lamp - for example, floodlighting, car parks
- Long service life of 15,000 hours keeps maintenance costs to a minimum
- Excellent colour maintenance throughout lamp life
- UV-stop outer jacket for reduced risks of fading
- Large variety of colours and wattages, in both clear and phosphor coated lamps
- Very economical light source for downlighting applications in large public spaces, for example airport terminals, halls, hotel lobbies and open-plan offices



HSI-MP Metalarc

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
HSI-MP MetalArc									
0020810	HSI-MP 70W CL/WDL	70	Clear	E27	3000	65	5500	15,000	12
0020811	HSI-MP 70W CO/WDL	70	Coated	E27	2900	65	5200	15,000	12
0020812	HSI-MP 70W CL/NDL	70	Clear	E27	4000	65	5800	15,000	12
0020813	HSI-MP 70W CO/NDL	70	Coated	E27	3800	65	5500	15,000	12
0020820	HSI-MP 100W CL/WDL	100	Clear	E27	3000	70	8500	15,000	12
0020821	HSI-MP 100W CO/WDL	100	Coated	E27	2900	70	7000	15,000	12
0020822	HSI-MP 100W CL/NDL	100	Clear	E27	4000	70	8500	15,000	12
0020823	HSI-MP 100W CO/NDL	100	Coated	E27	3800	70	8100	15,000	12
0020830	HSI-MP 150W CL/WDL	150	Clear	E27	3000	65	13000	15,000	12
0020831	HSI-MP 150W CO/WDL	150	Coated	E27	2900	65	12500	15,000	12
0020832	HSI-MP 150W CL/NDL	150	Clear	E27	4000	70	13000	15,000	12
0020833	HSI-MP 150W CO/NDL	150	Coated	E27	3800	70	12500	15,000	12

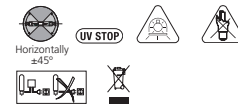


HSI-TD Metalarc

SYLVANIA



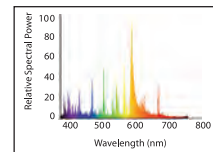
- Double ended quartz metal halide lamps with a compact tubular clear outer envelope
- Choice of three different colour temperatures: Warm, Neutral White and Daylight
- UV-stop outer jacket for reduced risks of fading
- High efficiency, compact arc tube
- Suitable for general interior lighting in uplights or downlights, e.g. in shops and malls
- Economical source for exterior floodlighting of monuments, parks and facades



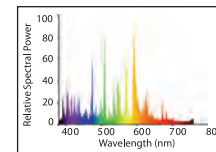
HSI-TD MetalArc

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
HSI-TD MetalArc									
0020230	HSI-TD 70W/WDL	70	Clear	RX7S	3200	70	5,200	9,000	10
0020231	HSI-TD 70W/NDL	70	Clear	RX7S	4000	70	5,500	9,000	10
0020232	HSI-TD 150W/WDL	150	Clear	RX7S	3200	70	11,250	9,000	10
0020233	HSI-TD 150W/NDL	150	Clear	RX7S	4000	70	11,250	9,000	10
0020235	HSI-TD 150W/D	150	Clear	RX7S	5200	70	11,250	9,000	10
0021036	HSI-TD 250W/WDL	250	Clear	FC2	3200	70	20,000	9,000	10
0021037	HSI-TD 250W/NDL	250	Clear	FC2	4200	70	20,000	9,000	10
0021047	HSI-TD 250W/D	250	Clear	FC2	5200	70	18,000	9,000	10

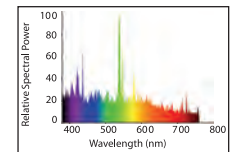
Metal Halide HSI-TD/WDL



Metal Halide HSI-TD/NDL



Metal Halide HSI-TD/D



HSI-TD	70W	150W	250W
L	117.6	135.4	161.6
D	22	25	27.5

RX7s



RX7s-24

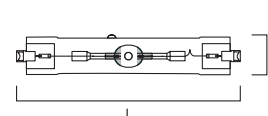


FC2

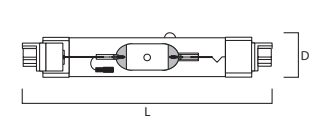


Dimensions (mm)

RX7s



FC2



H9



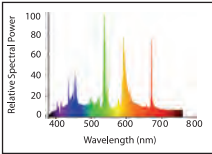
- Single ended quartz metal halide lamps with a compact tubular clear outer envelope
- Small point light source allows compact luminaire designs
- Ideal for spotlighting where high intensities are required
- UV-stop outer jacket for reduced risks of fading
- Suitable for interior accent and display lighting
- Exterior applications in floodlighting of monuments, parks and facades



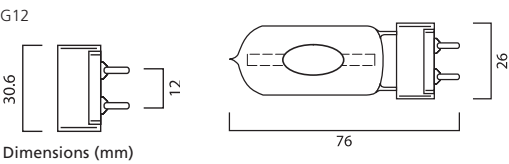
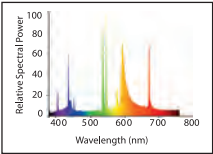
HSI-T Metalarc

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
HSI-T MetalArc									
0020335	HSI-T 70W/WDL	70	Clear	G12	3000	70	6,000	6,000	12
0020340	HSI-T 70W/NDL	70	Clear	G12	4200	70	6,000	6,000	12
0020336	HSI-T 150W/WDL	150	Clear	G12	3000	70	13,000	6,000	12
0020341	HSI-T 150W/NDL	150	Clear	G12	4200	70	13,000	6,000	12

Metal Halide HSI-T/WDL



Metal Halide HSI-T/NDL





HSI-SX(P) BriteLux Elliptical



HSI-TSX BriteLux Tubular

- SX family of metal halide lamps for use with a sodium ballast
- Direct retrofit for sodium lamps to upgrade lighting to a more pleasant white light
- High lumen package with good colour rendering properties
- Good colour rendering properties
- 'P' protected versions incorporate integral shroud for safe use in open fixtures
- For commercial and industrial applications in shopping areas, factories, warehouses
- Exterior applications in city beautification to upgrade from yellow sodium light

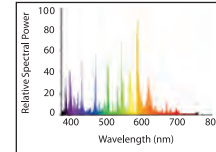
HSI-SX/P BriteLux



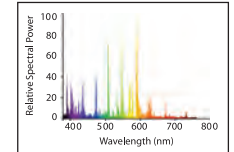
HSI-SX/TSX BriteLux



Metal Halide HSI-(T)SX/CL

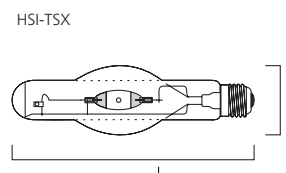
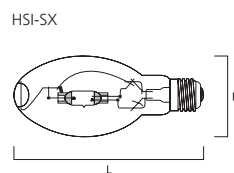
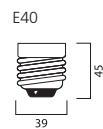


Metal Halide HSI-(T)SX/CO



HSI-SX / HSI-TSX BriteLux

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
HSI-SX BriteLux Elliptical									
0020772	HSI-SX 250W/CL BriteLux	250	Clear	E40	4100	70	23500	20,000	12
0020776	HSI-SX 250W/CL/P BriteLux	250	Cl/Protected	E40	4500	70	21000	15,000	12
0020771	HSI-SX 250W/CO BriteLux	250	Coated	E40	3800	70	22300	15,000	12
0020775	HSI-SX 250W/CO/P BriteLux	250	Co./Protected	E40	4200	70	20000	15,000	12
0020774	HSI-SX 400W/CL/P BriteLux	400	Cl./Protected	E40	4300	70	40000	15,000	6
0020773	HSI-SX 400W/CO/P BriteLux	400	Co./Protected	E40	4200	70	42000	15,000	6
HSI-TSX BriteLux Tubular									
0024407	HSI-TSX 250W BriteLux	250	Clear	E40	4200	70	21000	20,000	12
0024409	HSI-TSX 400W BriteLux	400	Clear	E40	4200	70	40000	20,000	12



	HSI-SX	250W	400W
L		227	290
D		90	120
	HSI-SX T	250W	400W
L		260	270
D		48	63

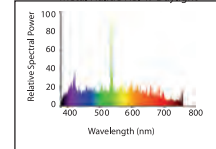
HSI-T Daylight



- Single ended metal halide lamps with crisp daylight colour
- Excellent colour rendering Class 1A
- High light output
- Good lumen maintenance over life
- Industrial lighting e.g. car parks, rail yards, petrol stations and street lighting
- Sports arena lighting



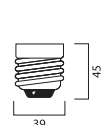
Metal Halide HSI-T/ Daylight



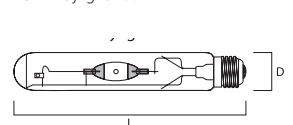
HSI-T Daylight

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
HSI-T Daylight									
0020530	HSI-T 250W/D	250	Clear	E40	5300	70	20000	20,000	12
0020531	HSI-T 400W/D	400	Clear	E40	6100	70	32000	20,000	12

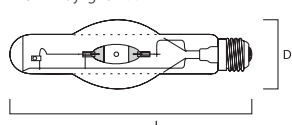
E40



HSI-T Daylight 250W



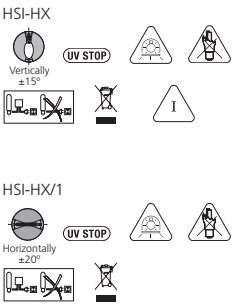
HSI-T Daylight 400W



	HSI-T Daylight	250W	400W
L		257	285
D		48	63

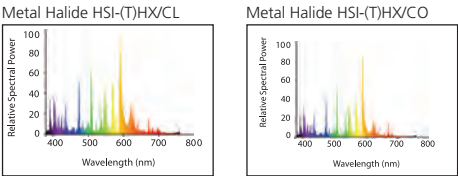


- HX family of metal halide lamps for use with a mercury ballast with soft ignitor
- HX family can also be operated on SHP control gear, resulting in both different output and colour temperature
- 'I' internal ignitor versions available, for simpler circuits with no ignitor
- 'I' versions can be used as a direct replacement for mercury discharge lamps
- High lumen package with good colour rendering properties
- For industrial applications such as petrol stations, car parks, rail yards
- Popular choice for sports arena lighting

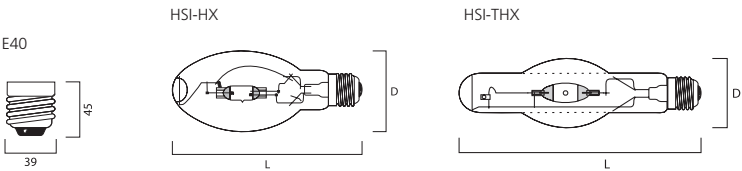


HSI-HX / HSI-THX

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
HSI-HX Elliptical									
0020357	HSI-HX 250W/CL	250	Clear	E40	4500	70	23000	20,000	12
0020355	HSI-HX 250W/CO	250	Coated	E40	3800	70	21000	20,000	12
0020353	HSI-HX 400W/CL	400	Clear	E40	4500	70	37000	20,000	12
0020350	HSI-HX 400W/CO	400	Coated	E40	3800	70	35200	20,000	12
0020351	HSI-HX 400W/CO/I	400	Coated	E40	3800	70	35200	20,000	12
HSI-THX Tubular									
0020394	HSI-THX 250W	245	Clear	E40	4500	70	20000	20,000	12
0020546	HSI-THX 400W	400	Clear	E40	4200	70	36000	20,000	12

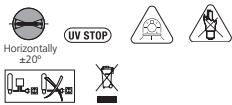


HSI-HX	250W	400W
L	227	290
D	90	120
HSI-SX T	250W	400W
L	257	270
D	48	63





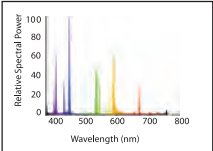
- Single ended quartz metal halide lamps with a tubular outer envelope
- Both internal and external ignitor versions available
- All versions operate on a standard mercury ballast, with or without (I type) external ignitor
- Very high light output with outstanding colour properties
- Suitable for colour television filming in sports stadia and large arena
- Industrial lighting applications in exterior car parks, rail and dock yards



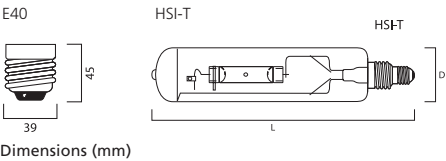
HSI-T

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
HSI-T									
0020597	HSI-T 1000W	1000	Clear	E40	4000	70	81000	7,000	4
0020533	HSI-T 2000W-S/380V	2000	Clear	E40	4000	70	200000	7,000	4
0020540	HSI-T 2000W-S/I/380V	2000	Clear	E40	4000	70	200000	7,000	4

Metal Halide HSI-T 2000W/NDL



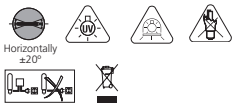
HSI-T	1000W	2000W
L	382	430
D	66	102



HSI-TD



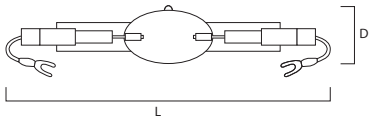
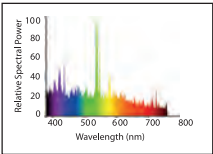
- Compact double ended quartz metal halide lamp
- Short arc source allows for good optical control in floodlighting luminaires
- No outer envelope required, permitting the design of compact luminaires
- Very high light output with excellent colour rendering properties
- Suitable for colour television filming in sports stadia and large arenas
- Exterior lighting applications in outdoor car parks, petrol stations, rail and dock yards



HSI-TD

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
HSI-TD									
0020349	HSI-TD 1000W/D	1000	Clear	Cable	5900	70	90000	6000	10
0020339	HSI-TD 2000W/D	2000	Clear	Cable	5900	70	200000	4000	10

Metal Halide HSI-TD 2000W/D





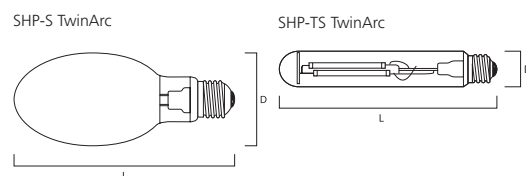
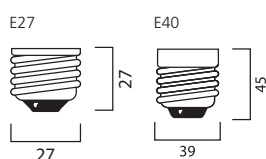
- Range of high pressure sodium lamps with double arc tube construction
- Dual arc tube design guarantees immediate re-strike after a power interruption
- Doubled lamp life and reduced occurrence of early failures
- Exceptional reliability, offering 6 years of maintenance-free service and superior lumen maintenance, exceeding 95% over life
- Ideal for applications which are difficult to access, or where maintenance is expensive
- Perfect for tunnels, airports, military installations, harbours and industrial sites



SHP-S / SHP-TS Twinarc

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
SHP-S TwinArc Elliptical									
0020720	SHP-S 35W TwinArc	35	Coated	E27	2050	20	2014	40,000	40
0020717	SHP-S 50W TwinArc	50	Coated	E27	2050	20	3446	40,000	40
0020719	SHP-S 70W TwinArc	70	Coated	E27	2050	20	5694	55,000	40
0020725	SHP-S 100W TwinArc	100	Coated	E40	2050	20	9420	55,000	40
0020740	SHP-S 150W TwinArc	150	Coated	E40	2050	20	15917	55,000	12
0020742	SHP-S 250W TwinArc	250	Coated	E40	2050	20	29486	55,000	12
0020744	SHP-S 400W TwinArc	410	Coated	E40	2050	20	53242	55,000	12
SHP-TS TwinArc Tubular									
0020712	SHP-TS 50W TwinArc	50	Clear	E27	2050	20	3844	40,000	40
0020718	SHP-TS 70W TwinArc	70	Clear	E27	2050	20	6186	55,000	40
0020724	SHP-TS 100W TwinArc	100	Clear	E40	2050	20	10233	55,000	12
0020739	SHP-TS 150W TwinArc	150	Clear	E40	2050	20	16718	55,000	12
0020741	SHP-TS 250W TwinArc	255	Clear	E40	2050	20	31592	55,000	12
0020743	SHP-TS 400W TwinArc	400	Clear	E40	2050	20	53130	55,000	12

SHP-S	35W	50W	70W	100W	150W	250W	400W
L	165	165	165	186	227	227	292
D	72	72	72	78	91	91	122
SHP-TS	35W	50W	70W	100W	150W	250W	400W
L	156	156	156	211	211	260	292
D	39	39	39	48	48	48	48



H15

LED | 15



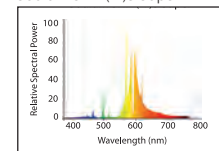
- Patented new construction featuring the Sylvania Wound Ignition Antenna for the ultimate starting reliability throughout lamp life
- Exclusive 'frameless' construction delivers superior system efficiency and improves lumen maintenance over life
- Exceptional reliability, offering 4 years service with over 95% lumen maintenance
- Super versions with high xenon pressure boost luminous efficacy up to 150 lm/W
- Offers increased lighting levels and an extended maintenance-free service life in all road and industrial applications



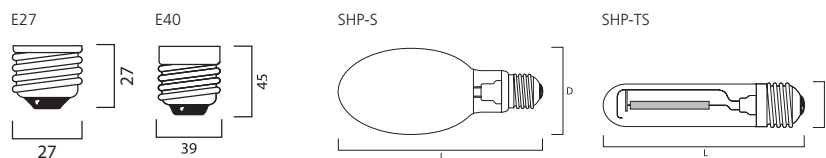
SHP-S/SHP-TS Super

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
SHP-S Super Elliptical									
0020448	SHP-S 35W	35	Coated	E27	2050	20	2004	25,000	40
0020688	SHP-S 50W	50	Coated	E27	2050	20	3604	24,000	40
0020690	SHP-S 70W	70	Coated	E27	2050	20	5985	30,000	40
0020692	SHP-S 100W	100	Coated	E40	2050	20	9873	30,000	40
0020693	SHP-S 150W	150	Coated	E40	2050	20	16463	32,000	12
0020715	SHP-S 250W	250	Coated	E40	2050	20	30189	32,000	12
0020716	SHP-S 400W	400	Coated	E40	2050	20	53567	32,000	12
SHP-TS Super Tubular									
0020326	SHP-TS 35W	35	Clear	E27	2050	20	2089	25,000	40
0020687	SHP-TS 50W	50	Clear	E27	2050	20	3947	24,000	40
0020678	SHP-TS 70W	70	Clear	E27	2050	20	6521	30,000	40
0020686	SHP-TS 100W	100	Clear	E40	2050	20	10622	30,000	12
0020685	SHP-TS 150W	150	Clear	E40	2050	20	17143	32,000	12
0020713	SHP-TS 250W	255	Clear	E40	2050	20	32581	32,000	12
0020714	SHP-TS 400W	400	Clear	E40	2050	20	54526	32,000	12
0020805	SHP-TS 600W	600	Clear	E40	2050	20	87088	24,000	12

Sodium SHP(-)S Super



SHP-S	35W	50W	70W	100W	150W	250W	400W
L	165	165	165	186	227	227	292
D	72	72	72	78	91	91	122
SHP-TS	35W	50W	70W	100W	150W	250W	400W
L	156	156	156	211	211	260	292
D	39	39	39	48	48	48	48



SHP / SHP-T Standard and Basic PLUS

SYLVANIA



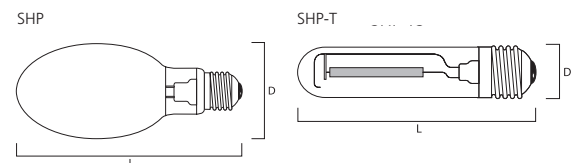
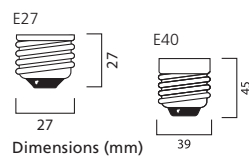
- ErP compliant High Pressure Sodium Lamps
- Long life between 24,000 to 28,000 hours, T90 at 16,000 hours
- Strong performance with high reliability
- Car park, Street and Floodlighting applications



SHP / SHP-T Standard and Basic PLUS

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
SHP / SHP-T BASIC PLUS									
0020841	SHP 70W BASIC PLUS	70	Coated	E27	2050	20	6040	28,000	40
0020839	SHP 100W BASIC PLUS	100	Coated	E40	2050	20	9500	28,000	40
0020842	SHP 150W BASIC PLUS	150	Coated	E40	2050	20	16000	28,000	12
0020843	SHP 250W BASIC PLUS	250	Coated	E40	2050	20	29000	28,000	12
0020844	SHP 400W BASIC PLUS	400	Coated	E40	2050	20	51300	28,000	12
0020846	SHP-T 70W BASIC PLUS	70	Clear	E27	2050	20	6500	28,000	40
0020838	SHP-T 100W BASIC PLUS	100	Clear	E40	2050	20	10000	28,000	12
0020847	SHP-T 150W BASIC PLUS	150	Clear	E40	2050	20	17000	28,000	12
0020848	SHP-T 250W BASIC PLUS	250	Clear	E40	2050	20	33000	28,000	12
0020849	SHP-T 400W BASIC PLUS	400	Clear	E40	2050	20	55000	28,000	12
SHP / SHP-T Standard									
0020554	SHP 50W	50	Coated	E27	2050	20	3547	24,000	40
0020555	SHP 70W	70	Coated	E27	2050	20	5800	24,000	40
0020481	SHP 250W	250	Coated	E40	2050	20	28488	24,000	12
0020484	SHP 400W	400	Coated	E40	2050	20	50574	24,000	12
0020455	SHP-T 50W	50	Clear	E27	2050	20	3771	24,000	40
0020457	SHP-T 70W	70	Clear	E27	2050	20	5855	24,000	40
0020482	SHP-T 250W	250	Clear	E40	2050	20	30589	24,000	12
0020485	SHP-T 400W	392	Clear	E40	2050	20	50602	24,000	12
0020504	SHP-T 1000W	960	Clear	E40	2050	20	130000	24,000	4

SHP	50W	70W	100W	150W	250W	400W	
L	165	165	178	227	227	292	
D	72	72	78	91	91	122	
SHP-T	35W	70W	100W	150W	250W	400W	1000W
L	156	156	-	211	260	292	400
D	39	39	-	48	48	48	68



H17+

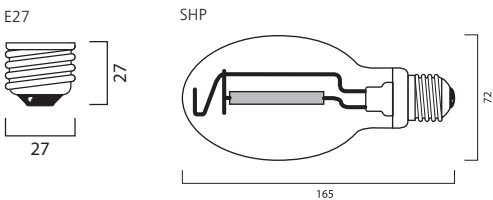
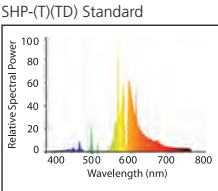


- Range of high pressure sodium lamps with internal ignitor
- Cost reduction opportunities since no ignitor or external wiring is required
- Enables luminaire size to be reduced since no ignitor is required
- Available in clear or coated elliptical bulbs
- Popular choice for parks, gardens, pedestrian zones and residential street lighting
- Low-cost illumination of workshops and small industrial areas



SHP Self-Starting

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	Packing Qty
SHP Self-Starting Elliptical						
0020550	SHP 50W/CO-I	50	Coated	E27	2050	40
0020551	SHP 70W/CO-I	70	Coated	E27	2050	40
0020553	SHP 70W/CL-I	70	Clear	E27	2050	40



SHP-TS GroLux

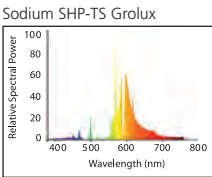


- Patented arc tube delivers highest photosynthetic efficiency of any lamp in the world
- Performance maintained at an exceptional level due to improved structure of outer bulb
- Optimized for the highest Phytolumens or PAR output
- GroLux light spectrum maximizes red output essential for plant growth
- Industry leading lumen maintenance of 95% at the end of life
- Suitable for a plethora of applications related to plant growth

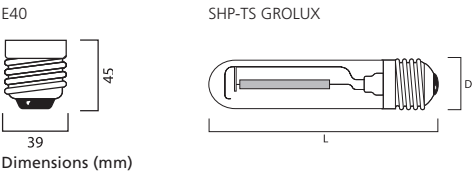


SHP-TS GroLux

Code	Description	Watt (W)	Volt (V)	Current (A)	Lamp Finish	Cap	Colour Temp (K)	Par (µ mol)	Photosynthesis (PhytoLm)	Packing Qty
SHP-TS GroLux Tubular										
0020819	SHP-TS 250W GroLux	265	115	2.60	Clear	E40	2050	425	75500	12
0020807	SHP-TS 400W GroLux	425	120	4.00	Clear	E40	2050	713	128000	12
0020808	SHP-TS 600W GroLux	615	125	5.50	Clear	E40	2050	1100	200000	12
0020809	SHP-TS 600W/400V GroLux	620	200	3.50	Clear	E40	1950	1180	215000	12



SHP-TS GroLux	250W	400W	600W
L	260	292	292
D	48	48	48



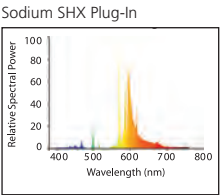


- Range of high pressure sodium lamps for direct retrofit of mercury lamps
- Offers reduced energy consumption and higher light levels when replacing mercury lamps
- Long average rated life, up to 20,000 hours
- Not recommended for operation on circuits having a leading power factor
- Suitable for direct installation in street and industrial applications using mercury lamps

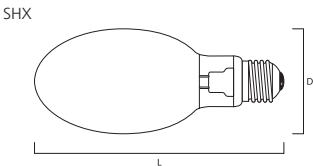
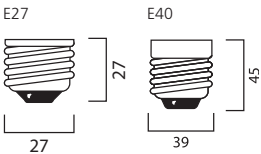


SHX Plug-In

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	Packing Qty
SHX Plug-In Elliptical						
0020560	SHX 110W	110	Coated	E27	2000	40
0020488	SHX 210W	210	Coated	E40	2000	12
0020490	SHX 350W	350	Coated	E40	2000	12



SHX	110W	210W	350W
L	178	228	292
D	76	91	122



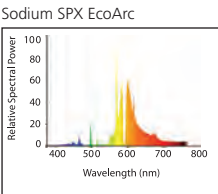


- Range of high pressure sodium lamps for direct retrofit of mercury lamps
- High xenon pressure delivers improved light output and reduced energy consumption over standard retrofit types
- Internal electronic ignitor provides reliable ignition of the xenon-filled arc tube
- Provides instant energy savings up to 18% over existing mercury installations
- Increased light output up to 50% more than comparable high pressure mercury lamp
- Excellent lumen maintenance throughout the long lamp life
- Upgrade for road/industrial installations to higher lighting levels with reduced energy consumption

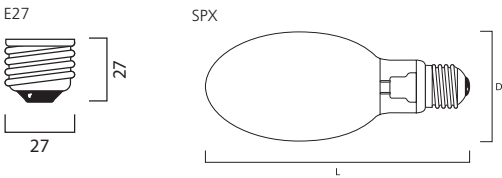


SPX EcoArc

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	Packing Qty
SPX EcoArc Elliptical						
0020800	SPX EcoArc 69/108W	69	Coated	E27	1800	40
0020800	SPX EcoArc 69/108W	108	Coated	E27	1900	40



SHX	69W	108W
L	176	176
D	76	76

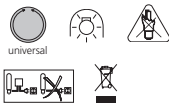


HSL-SC Super Comfort

SYLVANIA



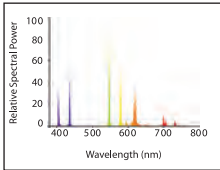
- Range of high pressure mercury lamps with improved colour rendering index (Ra60)
- Warm white colour temperature of 3400K
- Low cost white lighting solution operating on simple mercury choke circuit
- Excellent reliability throughout the long 29,000 hours average rated life
- High efficacy up to 60 lm/W
- Suitable for general interior lighting, and floodlighting of buildings and monuments



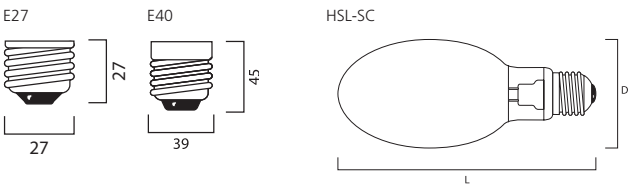
HSL-SC Super Comfort

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	Packing Qty
HSL-SC Super Comfort Elliptical						
0020895	HSL-SC 50W	50	Coated	E27	3400	24
0020890	HSL-SC 80W	80	Coated	E27	3400	40
0020891	HSL-SC 125W	125	Coated	E27	3400	40
0020892	HSL-SC 250W	250	Coated	E40	3400	12
0020893	HSL-SC 400W	400	Coated	E40	3400	12

Mercury HSL-SC (Super Comfort)

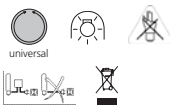


HSL-SC	50W	80W	125W	250W	400W
L	130	166	178	228	292
D	56	71	76	91	122



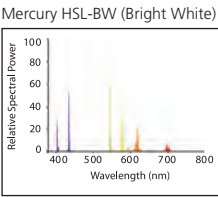


- Range of standard high pressure mercury lamps with Yttrium Vanadate phosphor
- Neutral white colour temperature of 4000K
- Low cost white lighting solution operating on simple mercury choke circuit
- Excellent reliability throughout the long 29,000 hours average rated life
- High efficacy up to 60 lm/W
- For replacement purposes only in roads, parks, industrial, rail and dock yard lighting

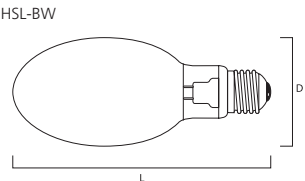
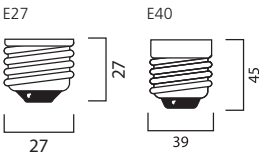


HSL-BW Bright White Standard

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	Packing Qty
HSL-BW Bright White Standard Elliptical						
0020405	HSL-BW 50W	50	Coated	E27	4000	24
0020406	HSL-BW 80W	80	Coated	E27	4000	40
0020407	HSL-BW 125W	125	Coated	E27	4000	40
0020408	HSL-BW 250W	250	Coated	E40	4000	12
0020409	HSL-BW 400W	400	Coated	E40	3800	12
0020410	HSL-BW 700W	700	Coated	E40	4000	6
0020411	HSL-BW 1000W	1000	Coated	E40	4000	6



HSL-BW	50W	80W	125W	250W	400W	700W	1000W
L	130	166	178	228	292	357	411
D	56	71	76	91	122	152	167



HSB-BW Bright White Blended



- Range of self-ballasted high pressure mercury lamps
- Direct plug-in replacement for incandescent, with mains voltage operation
- Extremely low system cost as no control gear is required
- Reliable starting down to -18°C
- Pleasant white light with good colour rendering index (Ra60)
- Improved lighting levels over incandescent in industrial and exterior environments

100W 250W 500W

Vertically
±30°

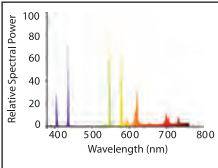
Vertically
±45°

universal

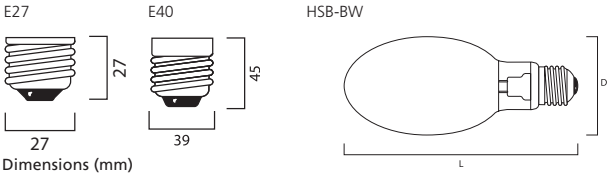
HSB-BW Bright White Blended

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	Packing Qty
HSB-BW Bright White Blended Elliptical 230V						
0020414	HSB-BW 160W 230V	160	Coated	E27	3500	40
0020415	HSB-BW 250W 230V	250	Coated	E40	3500	12
0020456	HSB-BW 500W 230V	500	Coated	E40	3500	12
HSB-BW Bright White Blended Elliptical 240V						
0020475	HSB-BW 160W 240V	160	Coated	E27	3500	40
0020477	HSB-BW 250W 240V	250	Coated	E40	3500	12

Mercury HSB-BW (Blended)

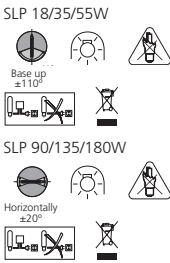


HSB-BW E27		160W	500W
L	178	-	-
D	76	-	-
HSB-BW E40		160W	250W 500W
L	-	228	292
D	-	91	122



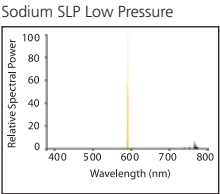


- Range of monochromatic low pressure sodium discharge lamps
- Highest efficacy available – up to 183 lm/W
- Monochromatic warm yellow light
- Radiates light in the most effective part of the visible spectrum
- Road lighting with maximum light levels with minimum energy costs
- Pedestrian crossing lighting for contrast with mercury or fluorescent sources



SLP

Code	Description	Watt (W)	Lamp Finish	Cap	Colour Temp (K)	Packing Qty
SLP Tubular						
0020528	SLP 18W	18	Clear	BY22d	1800	12
0020495	SLP 35W	35	Clear	BY22d	1800	12
0020496	SLP 55W	55	Clear	BY22d	1800	12
0020497	SLP 90W	90	Clear	BY22d	1800	12
0020498	SLP 135W	135	Clear	BY22d	1800	12
0020499	SLP 180W	180	Clear	BY22d	1800	6



SLP	18W	35W	55W	90W	135W	180W
L	216	311	425	528	775	1120
D	54	54	54	68	68	68





- Remote & Built-In available
- Optimal Lamp operation
- Compliant with all EN regulations
- Over temperature Cut-off
- Low Power Consumption
- ENEC approved
- 220-240V, 50-60 HZ
- XTREME to be used with UrbanWhite lamps



BriteTronic™

Code	Description	Packing Qty
Brite Tronic™		
0010940	BriteTronic™ XTREME 0045 CMO-TW	12
0010941	BriteTronic™ XTREME 0060 CMO-TW	12
0010942	BriteTronic™ XTREME 0090 CMO-TW	12
0010943	BriteTronic™ XTREME 0140 CMO-TW	12
0010912	BriteTronic™ 20W C011	15
0010913	BriteTronic™ 35/70W C011 (70W)	15
0010914	BriteTronic™ 35W C021	15
0010911	BriteTronic™ 70W C021	15





PROCEEDINGS

PRO

FLUORESCENT TUBES

X	T5	
X	T8	
X	T12	
X	T9	
X	Cop Safety Starters	
X	FS Standard Starters	

Fluorescent Tubes

The key benefits of fluorescent lamps are their proven efficiency and long lamp life and their suitability for use with magnetic ballasts or electronic control gear. Sylvania offers a comprehensive range of high-efficiency fluorescent lamps in various lengths, diameters, wattages, colours as well as lamps for a wide range of specialist applications.



T5 Ecoline

The most efficient replacement for standard T5 lamps. Powered by our advanced coating technique which allows reaching higher luminous efficacy while maintaining the same lumen output at a lower power consumption.

T8 Luxline Eco

A range of T8 fluorescent lamps for use with general lighting applications. Intended to replace standard halophosphor T8 lamps, they achieve high colour rendering together with long life and high energy efficiencies, meaning great quality light with low cost to the user and the environment.



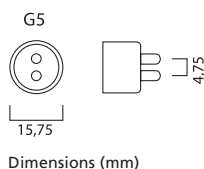
- Up to 10% energy saving on constant current electronic ballast
- Reduction in power consumption of up to 7W
- High luminous efficiency of up to 116 lm/W
- The same lumen output as compared with Standard LUXLINE T5 FHE & FHO lamps
- Up to 10% lower CO2 emissions
- 1:1 replacement of Standard T5 lamps
- For electronic ballast operation only
- High colour rendering (CRI=85, Class B)
- Average lifetime of 24000 hours with pre-heating ballast



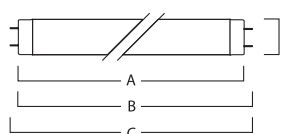
T5 Linear Ecoline Fluorescent

Code	Description	Watt (W)	Replacement Wattage (W)	Length (mm)	CRI	Cap	Colour Temp (K)	Luminous Flux Nominal at 25°	Flux Max 34-38°	Packing Qty
T5 High Efficiency Series										
0002902	FHE-13W/T5/830	13	14	549	85	G5	3000	1230	1350	25
0002901	FHE-13W/T5/840	13	14	549	85	G5	4000	1230	1350	25
0002926	FHE-19W/T5/830	19	21	849	85	G5	3000	1910	2100	25
0002925	FHE-19W/T5/840	19	21	849	85	G5	4000	1910	2100	25
0002906	FHE-25W/T5/830	25	28	1149	85	G5	3000	2640	2900	25
0002905	FHE-25W/T5/840	25	28	1149	85	G5	4000	2640	2900	25
0002910	FHE-32W/T5/830	32	35	1449	85	G5	3000	3320	3650	25
0002909	FHE-32W/T5/840	32	35	1449	85	G5	4000	3320	3650	25
T5 High Output Series										
0002914	FHO-20W/T5/830	20	24	549	85	G5	3000	1700	2000	25
0002913	FHO-20W/T5/840	20	24	549	85	G5	4000	1700	2000	25
0002918	FHO-35W/T5/830	35	39	849	85	G5	3000	3220	3500	25
0002917	FHO-35W/T5/840	35	39	849	85	G5	4000	3220	3500	25
0002924	FHO-50W/T5/830	50	54	1149	85	G5	3000	4450	5000	25
0002923	FHO-50W/T5/840	50	54	1149	85	G5	4000	4450	5000	25
0002921	FHO-45W/T5/830	45	49	1149	85	G5	3000	4165	4900	25
0002920	FHO-45W/T5/840	45	49	1449	85	G5	4000	4165	4900	25
0002928	FHO-73W/T5/830	73	80	1449	85	G5	3000	6150	7000	25
0002927	FHO-73W/T5/840	73	80	1449	85	G5	4000	6150	7000	25

	A max	B min	B max	C max	D nom
24W	549	553.7	556.1	563.2	16
39W	849	853.7	856.1	863.2	16
49W	1449	1453.7	1456.1	1463.2	16
54W	1149	1153.7	1156.1	1163.2	16
80W	1449	1453.7	1456.1	1463.2	16



Dimensions (mm)





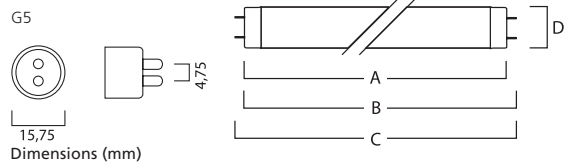
- Energy savings of up to 25% compared to a T8 tube
- T5 FHE Luxline Plus triphosphor lamp ideal solution for new, slim, aesthetic luminaires
- High luminous efficacy of up to 104 lm/W.
- For electronic ballast operation only
- Optimum luminous flux at an ambient temperature of approx 35°C
- Almost constant lumen maintenance throughout the entire lamp life due to Luxline Plus triphosphor technology
- Average life time of 24,000 hours with pre-heating ballast



T5 FHE Luxline® Plus

Code	Description	Watt (W)	Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	CRI Group	Cap	Luminous Colour Temp (K)	Luminous Flux Nominal at 25° (lm)	Flux Max 34-38° (lm)	Packing Qty
T5 FHE Luxline Plus Homelight De Luxe (827)											
0002798	FHE 14W/827	14	86	0.165	549	1B	G5	2700	1230	1350	25
0002799	FH 21W/827	21	126	0.165	849	1B	G5	2700	1910	2100	25
0002800	FHE 28W/827	28	166	0.170	1149	1B	G5	2700	2640	2900	25
0002801	FHE 35W/827	35	205	0.175	1449	1B	G5	2700	3320	3650	25
T5 FHE Luxline Plus Warm White De Luxe (830)											
0002760	FHE 14W/830	14	86	0.165	549	1B	G5	3000	1230	1350	25
0002763	FHE 21W/830	21	126	0.165	849	1B	G5	3000	1910	2100	25
0002766	FHE 28W/830	28	166	0.170	1149	1B	G5	3000	2640	2900	25
0002769	FHE 35W/830	35	205	0.175	1449	1B	G5	3000	3320	3650	25
T5 FHE Luxline Plus White De Luxe (835)											
0002787	FHE 14W/835	14	86	0.165	549	1B	G5	3500	1230	1350	25
0002788	FHE 21W/835	21	126	0.165	849	1B	G5	3500	1910	2100	25
0002789	FHE 28W/835	28	166	0.170	1149	1B	G5	3500	2640	2900	25
0002790	FHE 35W/835	35	205	0.175	1449	1B	G5	3000	3320	3650	25
T5 FHE Luxline Plus Cool White De Luxe (840)											
0002761	FHE 14W/840	14	86	0.165	549	1B	G5	4000	1230	1350	25
0002764	FHE 21W/840	21	126	0.165	849	1B	G5	4000	1910	2100	25
0002767	FHE 28W/840	28	166	0.170	1149	1B	G5	4000	2460	2900	25
0002770	FHE 35W/840	35	205	0.175	1449	1B	G5	4000	3320	2900	25
T5 FHE Luxline Plus Daylight De Luxe (865)											
0002762	FHE 14W/865	14	86	0.165	549	1B	G5	6500	1140	1250	25
0002765	FHE 21W/865	21	126	0.165	849	1B	G5	6500	1775	1950	25
0002768	FHE 28W/865	28	166	0.170	1149	1B	G5	6500	2460	2700	25
0002771	FHE 35W/865	35	205	0.175	1449	1B	G5	6500	3095	3400	25

	A max	B min	B max	C max	D nom
14W	549	553.7	556.1	563.2	16
21W	849	853.7	856.1	863.2	16
28W	1449	1453.7	1456.1	1463.2	16
35W	1149	1153.7	1156.1	1163.2	16





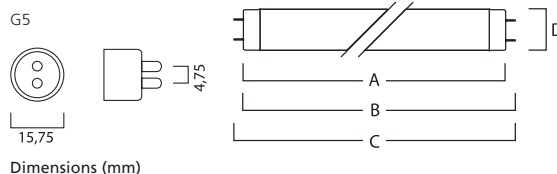
- The T5 FHO Luxline Plus triphosphor lamp is the ideal solution for indirect and direct lighting, i.e. industrial lighting systems with high ceilings
- For applications where a high luminous flux is required (up to 7000 lm per lamp)
- High colour rendering (CRI=85/Class 1B)
- For electronic ballast operation only
- Optimum luminous flux at an ambient temperature of approx 35°C
- Average life time of 24,000 hours with pre-heating ballast



T5 FHO Luxline® Plus

Code	Description	Watt (W)	Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	CRI Group	Cap	Luminous Colour Temp (K)	Luminous Flux Nominal at 25° (lm)	Flux Max 34-38° (lm)	Packing Qty
T5 FHO Luxline Plus Home light De Luxe (827)											
0002802	FHO 24W/827	24	77	0.295	549	1B	G5	2700	1700	2000	25
0002803	FHO 39W/827	39	118	0.325	849	1B	G5	2700	3220	3500	25
0002805	FHO 54W/827	54	120	0.455	1149	1B	G5	2700	4450	5000	25
0002804	FHO 49W/827	49	195	0.255	1449	1B	G5	2700	4165	4900	25
T5 FHO Luxline Plus Warm White De Luxe (830)											
0002772	FHO 24W/830	24	77	0.295	549	1B	G5	3000	1700	2000	25
0002775	FHO 39W/830	39	118	0.325	849	1B	G5	3000	3220	3500	25
0002781	FHO 54W/830	54	120	0.455	1149	1B	G5	3000	4450	5000	25
0002778	FHO 49W/830	49	195	0.255	1449	1B	G5	3000	4165	4900	25
0002784	FHO 80W/830	80	152	0.530	1449	1B	G5	3000	6150	7000	25
T5 FHO Luxline Plus White De Luxe (835)											
0002791	FHO 24W/835	24	77	0.295	549	1B	G5	3500	1700	2000	25
0002792	FHO 39W/835	39	118	0.325	849	1B	G5	3500	3220	3500	25
0002794	FHO 54W/835	54	120	0.455	1149	1B	G5	3500	4450	5000	25
0002793	FHO 49W/835	49	195	0.255	1449	1B	G5	3500	4165	4900	25
T5 FHO Luxline Plus Cool White De Luxe (840)											
0002773	FHO 24W/840	24	77	0.295	549	1B	G5	4000	1700	2000	25
0002776	FHO 39W/840	39	118	0.325	849	1B	G5	4000	3220	3500	25
0002782	FHO 54W/840	54	120	0.455	1149	1B	G5	4000	4450	5000	25
0002777	FHO 49W/840	49	195	0.255	1449	1B	G5	4000	4165	4900	25
0002785	FHO 80W/840	80	152	0.530	1449	1B	G5	4000	6150	7000	25
T5 FHO Luxline Plus Daylight De Luxe (865)											
0002774	FHO 24W/865	24	77	0.295	549	1B	G5	6500	1570	1850	25
0002779	FHO 39W/865	39	118	0.325	849	1B	G5	6500	2990	3250	25
0002783	FHO 54W/865	54	120	0.455	1149	1B	G5	6500	4050	4550	25
0002780	FHO 49W/865	49	195	0.255	1449	1B	G5	6500	3950	4650	25
0002786	FHO 80W/865	80	152	0.530	1449	1B	G5	6500	5700	6650	25

	A max	B min	B max	C max	D nom
24W	549	553.7	556.1	563.2	16
39W	849	853.7	856.1	863.2	16
49W	1449	1453.7	1456.1	1463.2	16
54W	1149	1153.7	1156.1	1163.2	16
80W	1449	1453.7	1456.1	1463.2	16



Dimensions (mm)



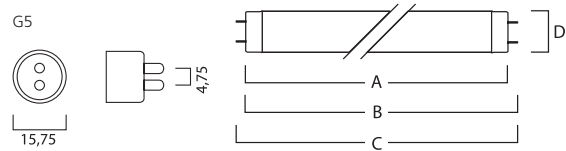
- 16mm fluorescent lamps in Standard and Luxline Plus colours
- For applications where space is limited
- Ideal solution for furniture, showcases, bathroom cabinets, transportation and leisure applications
- For higher colour rendering index we recommend fluorescent T5 Short Luxline Plus (6W and 8W)



T5 Standard Luxline® Plus

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	CRI Group	Cap	Luminous Colour Temp (K)	Luminous Flux (lm)	Packing Qty
T5 Standard Warm White (29-530)										
0000014	F6W/29-530	6	42	0.160	212	3	G5	3000	280	25
0000382	F8W/29-530	8	56	0.145	288	3	G5	3000	400	25
0000032	F13W/29-530	13	95	0.165	517	3	G5	3000	880	25
T5 Standard White (35-535)										
0000002	F4W/35-535	4	29	0.170	136	3	G5	3500	140	25
0000012	F6W/35-535	6	42	0.160	212	3	G5	3500	280	25
0000020	F8W/35-535	8	56	0.145	288	3	G5	3500	400	25
0000030	F13W/35-535	13	95	0.165	517	3	G5	3500	880	25
T5 Standard Cool White (33-640)										
0000003	F4W/33-640	4	29	0.170	136	2B	G5	4000	140	25
0000013	F6W/33-640	6	42	0.160	212	2B	G5	4000	280	25
0000021	F8W/33-640	8	56	0.145	288	2B	G5	4000	400	25
0000031	F13W/33-640	13	95	0.165	517	2B	G5	4000	880	25
T5 Standard Daylight (54-765)										
0000001	F4W/54-765	4	29	0.170	136	2A	G5	6500	115	25
0000011	F6W/54-765	6	42	0.160	212	2A	G5	6500	240	25
0000019	F8W/54-765	8	56	0.145	288	2A	G5	6500	340	25
0000029	F13W/54-765	13	95	0.165	517	2A	G5	6500	750	25

	A max	B min	B max	C max	D nom
4W	135.9	140.6	143.0	150.1	16
6W	212.1	216.8	219.2	226.3	16
8W	288.3	293.0	295.4	302.5	16
13W	516.9	521.6	524.0	531.1	16



Dimensions (mm)



- 16mm fluorescent lamps in Standard and Luxline Plus colours
- For exclusive use in emergency lighting luminaires
- Only for operation by battery with electronic ballast (low lamp currents)
- Reliable ignition with compatible ballast
- Luminous flux dependant on individual ballast

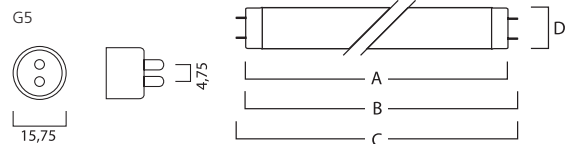


T5 Emergency

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Single Lamp Current (A)	Cap to Cap Length (mm)	CRI Group	Cap	Luminous Colour Temp (K)	Packing Qty
T5 Emergency Cool White (33-640)									
0001900	F6W/33-640	6	48	0.040	212	2B	G5	4000	200
0001905	F8W/33-640	8	71	0.040	288	2B	G5	4000	200
T5 Emergency Daylight (54-765)									
0001902	F6W/54-765	6	48	0.040	212	2A	G5	6500	200
0001908	F8W/54-765	8	71	0.040	288	2A	G5	6500	200
T5 Emergency Cool White De Luxe (840) Luxline Plus									
0001909	F6W/840	6	48	0.040	212	1B	G5	4000	200
0001907	F8W/840	8	71	0.040	288	1B	G5	4000	200

* Lamp Current: Not applicable for asymmetrical lamp current with DC component
** Luminous Flux: Depends on individual ballast

	A max	B min	B max	C max	D nom
6W	212.1	216.8	219.2	226.3	16
8W	288.3	293.0	295.4	302.5	16



Dimensions (mm)



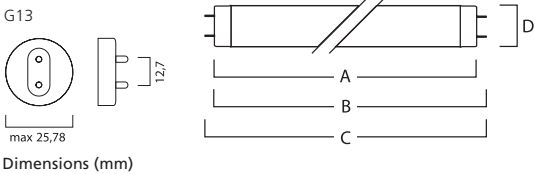
- Intended to replace standard halophosphor T8 lamps offering 10% energy saving with no loss in light output
- T8 fluorescent lamp with high colour rendering and excellent lumen maintenance
- Good colour rendering: (CRI=80-89/Class 1B)
- High luminous efficacy
- Operates on conventional and electronic ballasts
- Meets the lighting requirements as specified in the European Standard EN 12464-1 for workplaces
- Retrofit with standard T8 lamps
- Average rated life 15000 hours with pre-heating ballast



T8 Luxline® Eco

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	CRI Group	Cap	Luminous Colour Temp (K)	Luminous Flux (lm)	Packing Qty
T8 Luxline Eco Warm White De Luxe (830)										
0001605	F32W/830 T8 ECO	32	91	0.450	1200	1B	G13	3000	2900	25
0001609	F51W/830 T8 ECO	51	96	0.700	1500	1B	G13	3000	4700	25
T8 Luxline Eco Cool White De Luxe (840)										
0001607	F32W/840 T8 ECO	32	91	0.450	1200	1B	G13	4000	2900	25
0001610	F51W/840 T8 ECO	51	96	0.700	1500	1B	G13	4000	4700	25
T8 Luxline Eco Cool White De Luxe (865)										
0001608	F32W/865 T8 ECO	32	91	0.450	1200	1B	G13	6500	2750	25
0001612	F51W/865 T8 ECO	51	96	0.700	1500	1B	G13	6500	-	25

	A max	B min	B max	C max	D nom
32W	1199.4	1204.1	1206.5	1213.6	26
51W	1500.0	1504.7	1507.1	1514.2	26





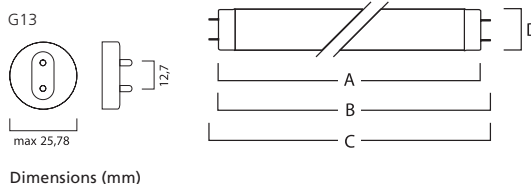
- T8 fluorescent lamp with high colour rendering and excellent lumen maintenance
- Good colour rendering:(CRI=80-89/Class 1B)
- High luminous efficacy
- Operates on conventional and electronic ballasts
- Meets the lighting requirements as specified in the European Standard EN 12464-1 for workplaces
- Average rated life 20000 hours with pre-heating ballast



T8Luxline® Plus

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	CRI Group	Cap	Luminous Colour Temp (K)	Luminous Flux (lm)	Packing Qty
T8 LuxLine Plus Homelight De Luxe (827)										
0001505	F18W/827	18	57	0.370	590	1B	G13	2700	1350	25
0001514	F36W/827	36	103	0.430	1200	1B	G13	2700	3350	25
0001535	F58W/827	58	110	0.670	1500	1B	G13	2700	5200	25
0000582	F70W/827	70	128	0.700	1764	1B	G13	2700	6000	25
T8 LuxLine Plus Warm White De Luxe (830)										
0001501	F18W/830	18	57	0.370	590	1B	G13	3000	1350	25
0001511	F36W/830	36	103	0.430	1200	1B	G13	3000	3350	25
0001531	F58W/830	58	110	0.670	1500	1B	G13	3000	5200	25
0001093	F70W/830	70	128	0.700	1764	1B	G13	3000	6000	25
T8 LuxLine Plus White De Luxe (835)										
0000580	F18W/835	18	57	0.370	590	1B	G13	3500	1350	25
0000578	F36W/835	36	103	0.430	1200	1B	G13	3500	3350	25
0001394	F58W/835	58	110	0.670	1500	1B	G13	3500	5200	25
0000581	F70W/835	70	128	0.700	1764	1B	G13	3500	6000	25
T8 LuxLine Plus Cool White De Luxe (840)										
0001500	F18W/840	18	57	0.370	590	1B	G13	4000	1350	25
0001510	F36W/840	36	103	0.430	1200	1B	G13	4000	3500	25
0001530	F58W/840	58	110	0.670	1500	1B	G13	4000	5200	25
0001094	F70W/840	70	128	0.700	1764	1B	G13	4000	6000	25
T8 LuxLine Plus Daylight De Luxe (865)										
0001502	F18W/865	18	57	0.370	590	1B	G13	6500	1300	25
0001512	F36W/865	36	103	0.430	1200	1B	G13	6500	3250	25
0001532	F58W/865	58	110	0.670	1500	1B	G13	6500	5000	25
0001095	F70W/865	70	128	0.700	1764	1B	G13	6500	5700	25

	A max	B min	B max	C max	D nom
18W	589.8	594.5	596.9	604.0	26
36W	1199.4	1204.1	1206.5	1213.6	26
58W	1500.0	1504.7	1507.1	1514.2	26
70W	1763.8	1768.5	1770.9	1778.0	26





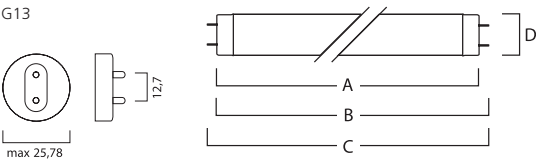
- Multi-phosphor coating for highest colour rendering
- Make colours look natural and vibrant
- Particularly useful in applications where colour rendering is a benefit - eg shops to help make merchandise look more attractive
- Excellent colour rendering (CRI=90-99 / class 1A)
- Average lifetime of 20,000 hours with pre-heating ballast)



T8 Luxline® SuperColour

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	CRI Group	Cap	Luminous Colour Temp (K)	Luminous Flux (lm)	Packing Qty
T8 Luxline Supercolour Cool White De Luxe (940)										
0001580	F18W/940	18	57	0.370	590	1A	G13	4000	1200	25
0001581	F36W/940	36	103	0.430	1200	1A	G13	4000	2900	25
0001582	F58W/940	58	110	0.670	1500	1A	G13	4000	4600	25

	A max	B min	B max	C max	D nom
18W	589.8	594.5	596.9	604.0	26
36W	1199.4	1204.1	1206.5	1213.6	26
58W	1500.0	1504.7	1507.1	1514.2	26



Dimensions (mm)



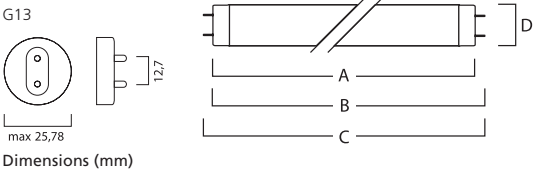
- Luxline Plus ShatterProof lamps provide protection against lamp breakages, where broken lamps could cause significant problem (e.g. clean rooms, kitchens, schools)
- Protection against splinters and other lamp parts
- Sleeve is made of FEP - which can easily withstand high ambient temperature, suitable for open and enclosed fixtures
- Excellent light transmission with no reductions in light output
- Average lifetime of 20,000 hours with pre-heating ballast)



Luxline® Plus ShatterProof

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Cap to Cap Length (mm)	CRI Group	Cap	Luminous Colour Temp (K)	Luminous Flux (lm)	Packing Qty
001493	F36W/840 ShatterProof FEP	36	103	0.430	1200	1A	G13	4000	2900	25
001494	F36W/840 ShatterProof FEP	58	110	0.670	1500	1A	G13	4000	4600	25

	A max	B min	B max	C max	D nom
36W	1199.4	1204.1	1206.5	1213.6	26
58W	1500.0	1504.7	1507.1	1514.2	26





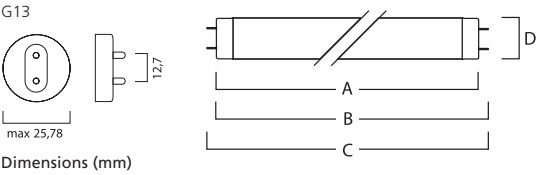
- Standard T8 fluorescent lamps with a wide range of special wattages in standard colours
- Colour rendering: (CRI=50-79/Class 3-2A)
- Suitable for areas where people are not engaged in work for long periods of time (EN 12464-1)
- For new installations or replacements we recommend T8 Luxline Plus where possible
- Not intended for use in general lighting applications. Intended for special applications including furniture, electrical distribution cabinets, signage and train carriages



T8 Special Length Standard

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	CRI Group	Cap	Colour Temp (K)	Luminous Flux (lm)	Packing Qty
T8 Special Length Warm White (29-530)										
0000040	F14W/29-530	14	38	0.395	361	3	G13	3000	700	25
T8 Special Length Cool White (33-640)										
0000039	F14W/33-640	14	38	0.395	361	2B	G13	4000	700	25
T8 Special Length Daylight (54-765)										
0000037	F14W/54-765	14	38	0.395	361	2A	G13	6500	650	25

	A max	B min	B max	C max	D nom
14W	361.2	365.8	368.3	375.4	26
36W/1m	970.0	974.1	977.1	984.2	26





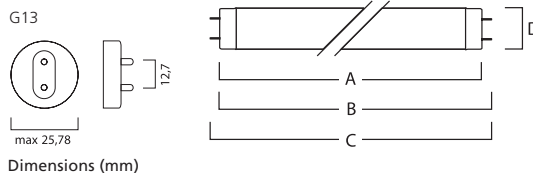
- Standard T8 fluorescent lamps with a wide range of special wattages in standard colours
- Colour rendering: (CRI=50-79/Class 3-2A)
- Suitable for areas where people are not engaged in work for long periods of time (EN 12464-1)
- For new installations or replacements we recommend T8 Luxline Plus where possible
- Not intended for use in general lighting applications. Intended for special applications including furniture, electrical distribution cabinets, signage and train carriages
- Average lifetime of 20,000 hours with pre-heating ballast).



T8 Luxline® Plus Special Length

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	CRI	Cap	Luminous Colour Temp (K)	Luminous Flux (lm)	Packing Qty
T8 Luxline Plus Special Length Warm White De Luxe (830)										
0001853	F15W/830	15	55	0.310	438	1B	G13	3000	950	25
0000870	F16W/830	16	95	0.200	720	1B	G13	3000	1200	25
0001079	F30W/830	30	96	0.365	895	1B	G13	3000	2400	25
T8 Luxline Plus Special Length White De Luxe (835)										
0000566	F15W/835	15	55	0.310	438	1B	G13	3500	950	25
0000872	F16W/835	16	95	0.200	720	1B	G13	3500	1200	25
0001077	F30W/835	30	96	0.365	895	1B	G13	3500	2400	25
T8 Luxline Plus Special Length Cool White De Luxe (840)										
0000567	F15W/840	15	55	0.310	438	1B	G13	4000	950	25
0000871	F16W/840	16	95	0.200	720	1B	G13	4000	1200	25
0000874	F25W/28"/840	25	80	0.380	691/28	1B	G13	4000	2000	25
0000877	F25W/30"/840	25	84	0.360	742/30	1B	G13	4000	2200	25
0000878	F25W/33"/840	25	90	0.340	818/33	1B	G13	4000	2300	25
0001080	F30W/840	30	96	0.365	895	1B	G13	4000	2400	25
0001504	F36W/1M/840	36	80	0.560	970	1B	G13	4000	3200	25
0001520	F38W/840	38	104	0.430	1047	1B	G13	4000	3200	25
T8 Luxline Special Length Daylight Deluxe (865)										
0000947	F15W/865	15	55	0.310	438	1B	G13	6500	900	25
T8 Luxline Plus Special Length Daylight Deluxe (865)										
0000875	F25W/28"/865	25	80	0.380	691/28	1B	G13	6500	1800	25
0000879	F25W/33"/865	25	90	0.340	818/33	1B	G13	6500	2100	25
0001078	F30W/865	30	96	0.365	895	1B	G13	6500	2300	25

	A max	B min	B max	C max	D nom
15W	437.4	442.1	444.5	451.6	26
16W	720.0	724.7	727.1	734.2	26
25W 28"	720.0	724.7	727.1	734.2	26
25W 30"	742.2	746.9	749.3	756.4	26
25W 33"	818.4	823.1	825.5	832.6	26
30W	894.6	899.3	901.7	908.8	26
36W	970.0	974.1	977.1	984.2	26
38W	1047.0	1051.7	1054.1	1061.2	26



Dimensions (mm)



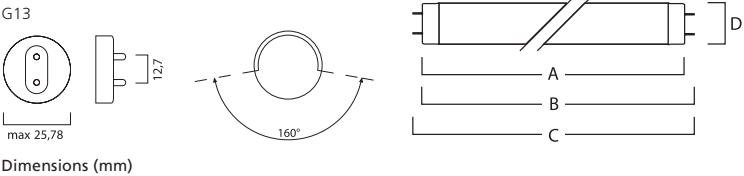
- T8 fluorescent lamp with a 200° internal reflector
- Directional control of light
- Approximately 75% of light is directed through a beam angle of 160°
- For optimising existing luminaires with no reflector
- High colour rendering due to Luxline Plus triphosphor (Class 1B)
- Average lifetime of 20,000 hours with pre-heating ballast



T8 Luxline® Plus Reflector

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Colour	CRI Group	Cap	Luminous Colour Temp (K)	Luminous Flux (lm)	Packing Qty
T8 LuxLine Plus Reflector										
0001537	FR58W/840	58	110	0.700	Cool White Deluxe	1B	G13	4000	5200	25

	A max	B min	B max	C max	D nom
58W	1500.0	1504.7	1507.1	1514.2	26



Dimensions (mm)



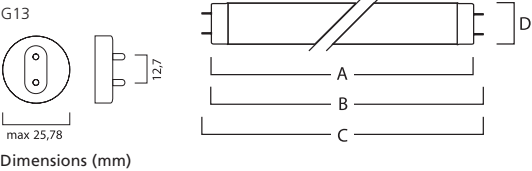
- Range of T8 fluorescent lamps with a coloured phosphor coating
- Available in red, yellow, green and blue colours
- Used to create special lighting effects in shop windows, bars, fairground attractions, dance halls and discotheques



T8 Coloured

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	Colour	Cap	Luminous Flux (lm)	Packing Qty
T8 Coloured									
0002572	F18W/T8/R	18	57	0.370	590	Red	G13	30	25
0002573	F36W/T8/R	36	103	0.430	1200	Red	G13	70	25
0002574	F58W/T8/R	58	110	0.670	1500	Red	G13	100	25
0002561	F18W/T8/Y	18	57	0.370	590	Yellow	G13	750	25
0002565	F36W/T8/Y	36	103	0.430	1200	Yellow	G13	1550	25
0002569	F58W/T8/Y	58	110	0.670	1500	Yellow	G13	2500	25
0002562	F18W/T8/G	18	57	0.370	590	Green	G13	1200	25
0002566	F36W/T8/G	36	103	0.430	1200	Green	G13	2800	25
0002570	F58W/T8/G	58	110	0.670	1500	Green	G13	4000	25
0002563	F18W/T8/B	18	57	0.370	590	Blue	G13	300	25
0002567	F36W/T8/B	36	103	0.430	1200	Blue	G13	700	25
0002571	F58W/T8/B	58	110	0.670	1500	Blue	G13	1000	25

	A max	B min	B max	C max	D nom
18W	589.8	594.5	596.9	604.0	26
36W	1199.4	1204.1	1206.5	1213.6	26
58W	1500.0	1504.7	1507.1	1514.2	26







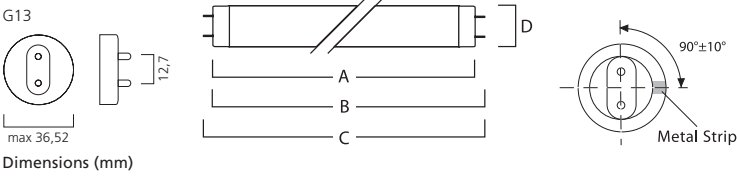
- T12 fluorescent lamp with a resistor cap, 3.6V electrodes and an external ignition stripe
- Instant and flicker-free start
- For rapid start or semi-resonant ballast
- Dimmable T12 lamp



T12 IRS

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	CRI Group	Cap	Luminous Colour Temp (K)	Luminous Flux (lm)	Packing Qty
T12 IRS Warm White (29-530)										
0000424	F20W/29-530-IRS	20	57	0.370	590	3	G13	3000	1200	25
0000431	F40W/29-530-IRS	40	103	0.430	1200	3	G13	3000	3000	25
T12 IRS Cool White (33-640)										
0000423	F20W/33-640-IRS	20	57	0.370	590	2B	G13	4000	1200	25
0000430	F40W/33-640-IRS	40	103	0.430	1200	2B	G13	4000	3000	25
0000438	F65W/33-640-IRS	65	110	0.670	1500	2B	G13	4000	4800	25

	A max	B min	B max	C max	D nom
20W	589.8	594.5	596.9	604.0	38
40W	1199.4	1204.1	1206.5	1213.6	38
65W	1500.0	1504.7	1507.1	1514.2	38





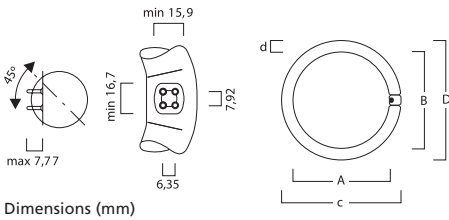
- T9 circular fluorescent lamps
- Suitable in a wide range of round and square shaped luminaires for various purposes
- For commercial and domestic lighting
- Good colour rendering (CRI=80-89 / class 1B)
- High luminous efficacy



T9 Circline Plus

Code	Description	Watt (W)	Nominal Lamp Volt (V)	Current (A)	Cap to Cap Lamp Length (mm)	CRI Group	Cap	Luminous Colour Temp (K)	Luminous Flux (lm)	Packing Qty
T9 Circline Plus Warm White De Luxe (830)										
0001960	FC22/830	22	62	0.400	216 Ø	1B	G10q	3000	1300	12
0001963	FC32/830	22	84	0.450	305 Ø	1B	G10q	3000	2300	12
0001966	FC40/830	22	115	0.415	406 Ø	1B	G10q	3000	3000	12
T9 Circline Plus Cool White De Luxe (840)										
0001961	FC22/840	32	62	0.400	216 Ø	1B	G10q	4000	1300	12
0001964	FC32/840	32	84	0.450	305 Ø	1B	G10q	4000	2300	12
0001967	FC40/840	32	115	0.415	406 Ø	1B	G10q	4000	3000	12
T9 Circline Plus Daylight De Luxe (865)										
0001962	FC22/865	40	62	0.400	216 Ø	1B	G10q	6500	1250	12
0001965	FC32/865	40	84	0.450	305 Ø	1B	G10q	6500	2300	12
0001968	FC40/865	40	115	0.415	406 Ø	1B	G10q	6500	2900	12

	A max	A min	B max	B max	C or D min	C or D max	D min	D max
22W	149.1	155.6	147.6	157.2	203.2	215.9	26.2	30.9
32W	239.7	246.1	236.5	246.1	292.1	304.8	26.2	30.9
40W	341.3	347.7	338.1	347.7	393.7	406.4	26.2	30.9





- Quick-start without increasing the starting current
- Immediate switch off in case of flickering or defective lamp (end of life)
- Prevents overheating of the ballast
- Extended life compared to standard starters
- Reduced maintenance cost due to longer life time
- For single lamp operation
- Testhouse approved and ENEC/VDE marked



COP Safety Starters

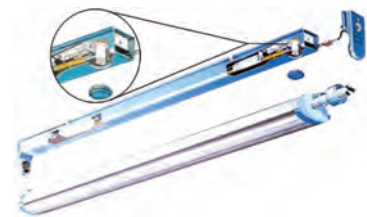
Code	Description	Watt (W)	Volt (V)	Lamp Type	Circuit	Packing Qty
0024471	COP-11A	36,58	220-240	T8	Single	25/100/1000
		40, 65	220-240	T12	Single	
		32,40, 60	220-240	Circline	Single	
		18, 24, 36	220-240	CF-L	Single	



- Reliable and fast starting
- Suitable for temperatures from -20°C to +80°C
- For single and twin lamp operation
- Testhouse approved and ENEC/VDE marked



FS Starter Starters



Starter in Fluorescent Lamp Circuit

Code	Description	Watt (W)	Volt (V)	Lamp Type	Circuit	Packing Qty
FS Standard Starters						
0024434	FS-11	4, 6, 8, 13	220-240	T5	Single	25/500/100
		14, 15, 16, 18, 25, 36, 38, 58	220-240	T8	Single	Single
		20, 40, 65	220-240	T12	Single	
		22, 32	220-240	Circline	Single	
		18, 24, 36	220-240	CF-L	Single	
0024440	FS-11	As Above	As Above	As Above	Single/Industrial Pack	500/1000
0024433	FS-22	4, 6, 8	120	T12	Single	25/500/1000
		4, 6, 8	230	T12	Twin	
		14, 15, 18	120	T8	Single	
		14, 15, 18	230	T8	Twin	
		20	120	T12	Single	
		20	230	T12	Twin	
		22	120	Circline	Single	
		22	230	Circline	Twin	
		18	120	CF-L	Single	
		18	230	CF-L	Twin	
		18	120	CF-F	Single	
0024437	FS-22	As Above	As Above	As Above	Single/Industrial Pack	500/1000
0024441	FS-11	70	220-240	T8	Single	5/20/1500



COMPACT FLUORESCENT

X Mini-Lynx® Sticks



X Mini-Lynx® Spirals



X Power-Lynx



X Mini-Lynx® Classico



X Mini-Lynx® Compact GLS



X Mini-Lynx® Compact Ball



X Mini-Lynx® Candle



X Mini-Lynx® Globe



X Mini-Lynx® Reflectors



X Mini-Lynx® PAR 30 & 38



X Micro-Lynx®



X Lynx®



Compact Fluorescent Lamps

Sylvania's Compact Fluorescent Lamps are available in a wide range of shapes and formats to meet the growing need for compact, energy efficient and long lasting lamps, coupled with excellent colour rendering. They are the result of traditional fluorescent lamp making skills which, when combined with an integral state-of-the-art electronic ballast and starter circuit create a range of retrofit lamps that replace incandescent mains voltage filament lamps. Compact fluorescent lamps are also available without integral ballast, for use in traditional magnetic ballast fixtures or in the new generation of high efficiency, electronic ballast, downlights and luminaires.

As the phasing out of incandescent lamps progresses across Europe, alternatives are required. Sylvania's CFLi range, which meets – or exceeds – all relevant regulations, can be trusted to offer consumers affordable, efficient and effective lamps in a wide variety of sizes, shapes, outputs and designs.

Mini-Lynx Fast-Start

Mini-Lynx Fast-Start energy savers are different. These exceptionally compact fluorescent lamps have no unpleasant flicker or switch delay. They illuminate in less than two seconds, achieve full luminous flux in under 30 seconds and are available in a wide range of wattages and colours. Furthermore, with a rated lifetime of 10,000 hours, they are easy to fit...and forget.

Mini-Lynx Classico

Mini-Lynx Classico 7W & 11W are exact size replacements for A55 & A60 incandescent GLS lamps. As today's decorative fittings are getting smaller and more compact, the Mini-Lynx Classico's smaller sizes make it ideal for residential environments. The improved cover design of this lamp removes the unsightly plastic base of previous models, ensuring all around illumination with no dark areas. Furthermore, being shatter resistant, applications such as childcare and food preparation areas are particularly relevant due to safety concerns.





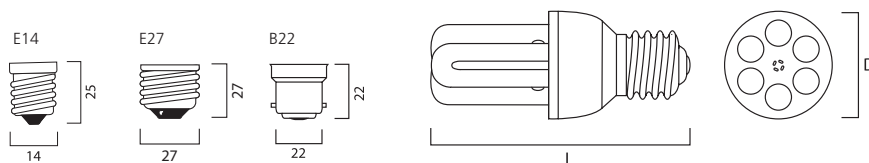
- Up to 80% energy saving compared to incandescent lamps
- Compact, fast-start energy saving lamps
- Provides a flicker-free start within 2 seconds
- Delivers 60% light in less than 30 seconds
- No liquid mercury (<2.5mg pill)
- 20,000 switching cycles
- Good colour rendering CRI=80)
- Available in Homelight (2700K), Cool White (4000K) and Daylight (6000K)
- Average rated life 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Fast-Start

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Mini-Lynx Fast-Start 10K Homelight (827)								
0031143	8W/E14	8	230-240	E14	2700	450	10000	10
0031146	8W/E27	8	230-240	E27	2700	450	10000	10
0031147	8W/B22	8	230-240	B22	2700	450	10000	10
0031151	11W/E14	11	230-240	E14	2700	600	10000	10
0031155	11W/E27	11	230-240	E27	2700	600	10000	10
0031159	11W/B22	11	230-240	B22	2700	600	10000	10
0031161	15W/E27	15	230-240	E27	2700	900	10000	10
0031165	15W/B22	15	230-240	B22	2700	900	10000	10
0031167	20W/E27	15	230-240	E27	2700	1200	10000	10
0031171	20W/B22	20	230-240	B22	2700	1200	10000	10
0031173	23W/E27	23	230-240	E27	2700	1450	10000	10
0031176	23W/B22	23	230-240	B22	2700	1450	10000	10
Mini-Lynx Fast-Start Cool White (840)								
0031144	8W/E14	8	230-240	E14	4000	450	10000	10
0031148	8W/E27	8	230-240	E27	4000	450	10000	10
0031152	11W/E14	11	230-240	E14	4000	600	10000	10
0031156	11W/E27	11	230-240	E27	4000	600	10000	10
0031162	15W/E27	15	230-240	E27	4000	900	10000	10
0031168	20W/E27	20	230-240	E27	4000	1200	10000	10
0031174	23W/E27	23	230-240	E27	4000	1450	10000	10
Mini-Lynx Fast-Start Daylight (860)								
0031153	11W/E14	11	230-240	E14	6000	585	10000	10
0031157	11W/E27	11	230-240	E27	6000	585	10000	10
0031163	15W/E27	15	230-240	E27	6000	875	10000	10
0031169	20W/E27	20	230-240	E27	6000	875	10000	10
0031175	23W/E27	23	230-240	E27	6000	1380	10000	10

E14	5W	8W	11W	15W	20W	23W
L	106	109	102	-	-	-
D	38	44	48	-	-	-
E27	5W	8W	11W	15W	20W	23W
L	104	106	100	112	134	150
D	38	44	48	48	48	48
B22	5W	8W	11W	15W	20W	23W
L	-	104	98	100	132	148
D	-	44	48	48	48	48





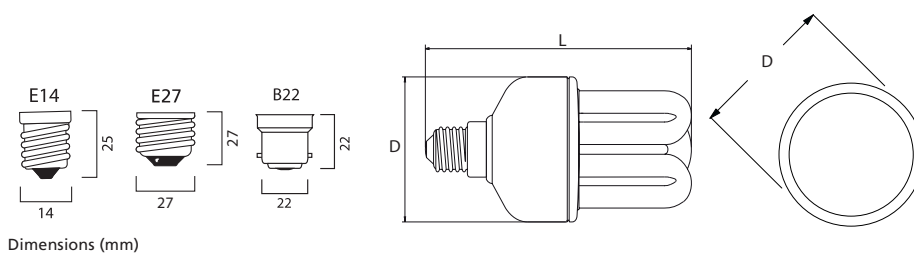
- Up to 80% energy saving compared to incandescent lamps
- Instant flicker free start (<0.3 seconds)
- Delivers 60% light in less than 30 seconds
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K), Cool White (4000K) and Daylight (6500K)
- Average rated life 8,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Fast-Start Home

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Pack Qty
Mini-Lynx Fast-Start Home (827)								
0031509	9W E14	9	220-240	E14	2700	450	8000	10
0031510	9W E27	9	220-240	E27	2700	450	8000	10
0031511	11W E27	11	220-240	E27	2700	649	8000	10
0031581	11W B22	11	220-240	B22	2700	649	8000	10
0031512	15W E27	15	220-240	E27	2700	850	8000	10
0031582	15W B22	15	220-240	B22	2700	850	8000	10
0031513	20W E27	20	220-240	E27	2700	1200	8000	10
0031583	20W B22	20	220-240	B22	2700	1200	8000	10
0031514	23W E27	23	220-240	E27	2700	1400	8000	10
Mini-Lynx Fast-Start Home (840)								
0031562	9W E14	9	220-240	E14	4000	450	8000	10
0031564	9W E27	9	220-240	E27	4000	450	8000	10
0031566	11W E27	11	220-240	E27	4000	650	8000	10
0031568	15W E27	15	220-240	E27	4000	850	8000	10
0031570	20W E27	20	220-240	E27	4000	1200	8000	10
0031572	23W E27	23	220-240	E27	4000	1400	8000	10
Mini-Lynx Fast-Start Home (860)								
0031563	9W E14	9	220-240	E14	6500	420	8000	10
0031565	9W E27	9	220-240	E27	6500	420	8000	10
0031567	11W E27	11	220-240	E27	6500	600	8000	10
0031569	15W E27	15	220-240	E27	6500	800	8000	10
0031571	20W E27	20	220-240	E27	6500	1152	8000	10
0031573	23W E27	23	220-240	E27	6500	1371	8000	10

E14	9W				
L	113				
D	45				
E27/B22	9W	11W	15W	20W	23W
L	111	123	136	156	174
D	45	45	45	45	45



Mini-Lynx® Compact Fast-Start Stick



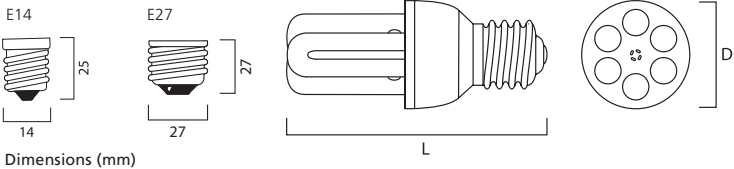
- Up to 77% energy saving compared to incandescent lamps
- Sylvania's smallest fast-start energy saving lamps
- Compact dimensions
- Instant flicker-free start
- Delivers 60% light in less than 1 minute – no waiting
- No liquid mercury (<3.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700)
- Average rated life 6,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Compact Fast-Start

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0031001	5W/E14	5	230-240	E14	2700	180	6000	10
0031003	5W/E27	5	230-240	E27	2700	180	6000	10
0031019	7W/E14	7	230-240	E14	2700	286	6000	10
0031021	7W/E27	7	230-240	E27	2700	286	6000	10
0031023	9W/E14	9	230-240	E14	2700	405	6000	10
0031025	9W/E27	9	230-240	E27	2700	405	6000	10
0031029	11W/E27	11	230-240	E27	2700	540	6000	10
0031037	15W/E27	15	230-240	E27	2700	800	6000	10

E14	5W	7W	9W		
L	86	92	102		
D	38	38	38		
E27	5W	7W	9W	11W	15W
L	84	90	100	108	120
D	37	38	38	38	43



CF3



- Up to 82% energy saving compared to incandescent lamps
- Compact, fast-start energy saving lamps
- Spiral design for better light distribution
- Instant flicker free start (<0.3 seconds)
- Delivers 60% light in less than 40 seconds
- No liquid mercury (<1.6mg pill)
- 10,000 switching cycles
- Good colour rendering (CRI=80)
- Available in Homelight (2700K)
- Average rated life 6,000 hrs
- To be used in dry applications or fully enclosed fixtures



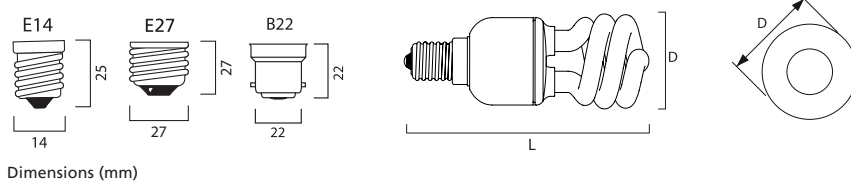
Mini-Lynx® Spiro Superior

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0031441	5W E14	5	230-240	E14	2700	300	15000	10
0031443	7W E14	7	230-240	E14	2700	430	15000	10
0031445	7W E27	7	230-240	E27	2700	430	15000	10
0031446	12W E14	12	230-240	E14	2700	730	15000	10
0031448	12W E27	12	230-240	E27	2700	730	15000	10
0031452	15W E27	15	230-240	E27	2700	1030	15000	10
0031458	20W E27	20	230-240	E27	2700	1350	15000	10
0031462	23W E27	23	230-240	E27	2700	1550	15000	10

E14	7W	12W
L	106	110
D	35	46

E27	7W	12W	15W	20W	23W
L	100	104	114	123	127
D	35	46	54	54	54

B22	12W	15W	20W
L	103	113	122
D	46	54	54



Dimensions (mm)



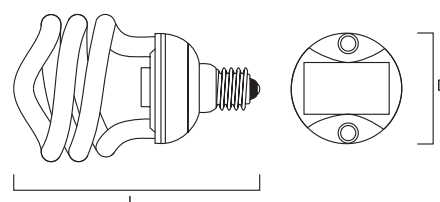
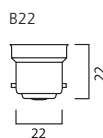
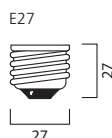
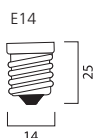
- Up to 81% energy saving compared to incandescent lamps
- Compact dimensions
- Spiral design for maximum light dispersal
- Instant flicker-free start
- Delivers 60% light in less than 1 minute – no waiting
- No liquid mercury (<2.5µl)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K) and Cool White (4000K)
- Average rated life 10,000 hrs
- To be used in dry applications



Mini-Lynx® Spiro

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Mini-Lynx Spiro Homelight (827)								
0031005	8W/E14	8	230-240	E14	2700	405	10000	10
0031007	8W/E27	8	230-240	E27	2700	405	10000	10
0031123	12W/E14	12	230-240	E14	2700	630	10000	10
0031009	12W/E27	12	230-240	E27	2700	630	10000	10
0031011	12W/B22	12	230-240	B22	2700	630	10000	10
0031013	15W/E27	15	230-240	E27	2700	845	10000	10
0031015	15W/B22	15	230-240	B22	2700	845	10000	10
0031249	20W/E27	20	230-240	E27	2700	1200	10000	10
0031139	20W/B22	20	230-240	B22	2700	1200	10000	10
0031518	23W/E27	23	230-240	E27	2700	1400	10000	10
Mini-Lynx Spiro Cool White (840)								
0031017	15W/E27	15	230-240	E27	4000	845	10000	10
0031250	20W/E27	20	230-240	E27	4000	1200	10000	10

E14	8W	12W	15W	20W	
L	89	94	-	-	
D	46	46	-	-	
E27	8W	12W	15W	20W	23W
L	84	88	99	108	123
D	46	46	50	54	55
B22	8W	12W	15W	20W	
L	-	86	97	106	
D	-	46	50	54	





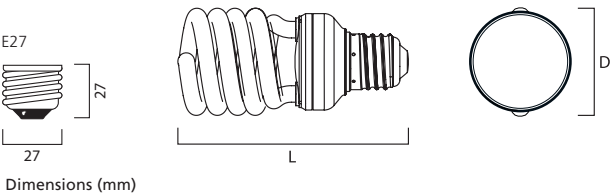
- Up to 78% energy saving compared to incandescent lamps
- Energy saving alternative to high wattage incandescent in professional and semi-professional applications
- Spiral design for better light distribution
- Instant flicker free start (<0.3 seconds)
- Delivers 60% light in less than 1 minute
- No liquid mercury (<3.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K) and Cool White (4000K)
- Average rated life 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



Power-Lynx Fast-Start

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Power-Lynx Fast-Start Homelight (827)								
0031326	40W/E27	40	230-240	E27	2700	2720	10000	10
Power-Lynx Fast-Start Cool White (840)								
0031328	40W/E27	40	230-240	E27	4000	2720	10000	10

E27	40W
L	188
D	67





Classico E27

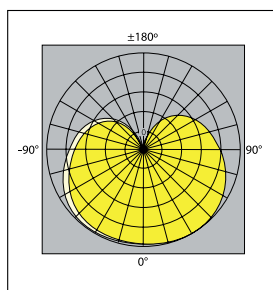
- Up to 78% energy saving compared to incandescent lamps
- Shatter-resistant cover
- Provides a flicker-free start within 2 seconds
- Delivers 60% light in less than 120 seconds
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K)
- Average rated life 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



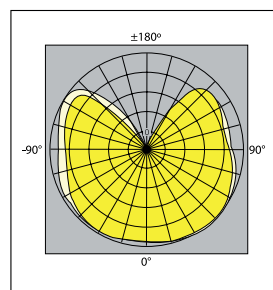
Mini-Lynx® Compact GLS Classico

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Pack Qty
0031496	7W E27	7	230-240	E27	2700	286	8000	10
0031500	11W E27	11	230-240	E27	2700	531	8000	10
0031505	13W E27	13	230-240	E27	2700	700	8000	10

Classico has the similar distribution to incandescent bulbs, but light is much more stable.

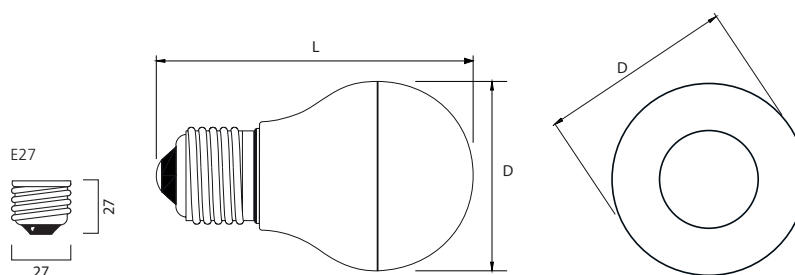


Classico



Incandescent

E27	7W	11W	13W
L	93	99	112
D	56	60	69



Dimensions (mm)



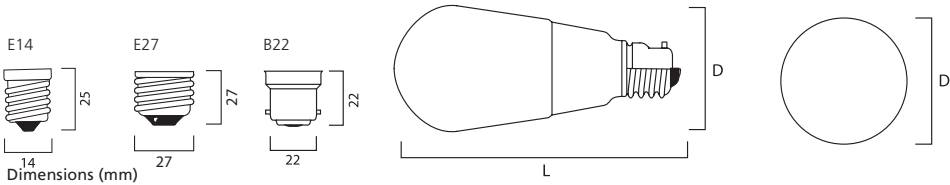
- Up to 78% energy saving compared to incandescent lamps
- Opal housing delivers all-round illumination whilst hiding burner design
- Provides a flicker-free start within 2 seconds
- Delivers 60% light in less than 1 minute
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K)
- Average rated life 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Compact GLS

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0031073	15W/E27	15	230-240	E27	2700	810	10000	10
0031075	15W/B22	15	230-240	B22	2700	810	10000	10
0031213	20W/E27	20	230-240	E27	2700	1152	10000	10
0031211	20W/B22	20	230-240	B22	2700	1152	10000	10

E27	15W	20W
L	130	149
D	64	75
B22	15W	20W
L	128	147
D	64	75





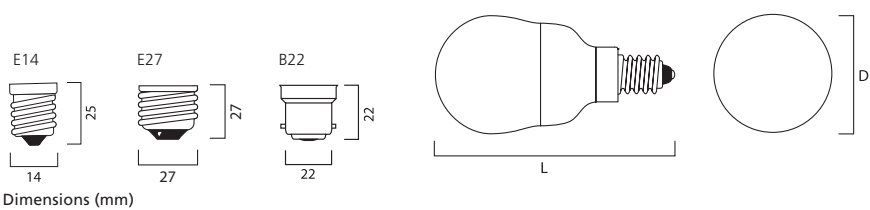
- Up to 80% energy saving compared to incandescent lamps
- Opal housing delivers all-round illumination whilst hiding burner design
- Provides a flicker-free start within 2 seconds
- Delivers 60% light in less than 1 minute
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K)
- Average rated life 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Compact Ball

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Mini-Lynx Ball Homelight (827)								
0031118	7W/E14	7	230-240	E14	2700	286	10000	10
0031057	7W/E27	7	230-240	E27	2700	286	10000	10
0031061	9W/E14	9	230-240	E14	2700	405	10000	10
0031063	9W/E27	9	230-240	E27	2700	405	10000	10
0031065	9W/B22	9	230-240	B22	2700	405	10000	10
Mini-Lynx Ball Cool White (840)								
0031116	9W/E14	9	230-240	E14	4000	405	10000	10

E14	7W	9W
L	96	103
D	50	50
E27	7W	9W
L	91	98
D	50	50
B22	9W	
L	96	
D	50	





- Up to 81% energy saving compared to incandescent lamps
- Opal housing delivers all-round illumination whilst hiding burner design
- Provides a flicker-free start within 2 seconds
- Delivers 60% light in less than 120 seconds
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K)
- Average rated life 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Candle

Code	Description	Watt (W)	Volt (V)	Cap	Colour	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Pack Qty
0031477	7W E14	7	230-240	E14	827	2700	300	10000	10
0031479	7W E27	7	230-240	E27	827	2700	300	10000	10
0031483	9W E14	9	230-240	E14	827	2700	405	10000	10
0031485	9W E27	9	230-240	E27	827	2700	405	10000	10
0031490	9W B22	9	230-240	B22	827	2700	405	10000	10
0031488	9WE14	9	230-240	E14	840	2700	405	10000	10

Mini-Lynx® Bent-Tip

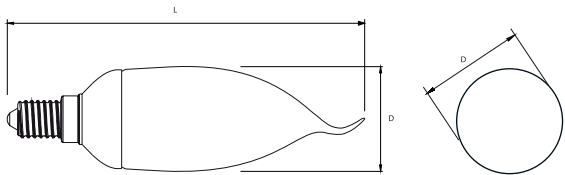
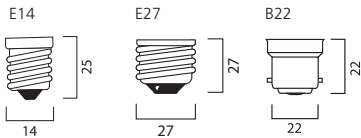
Code	Description	Watt (W)	Volt (V)	Cap	Colour	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Pack Qty
0031494	9W E14	9	230-240	E14	827	2700	405	10000	10

E14	7W	9W
L	106	111
D	39	39

E27	7W	9W
L	105	110
D	39	39

B22	9W
L	110
D	39

Bent Tipped	
E14	9W
L	132
D	39



Dimensions (mm)



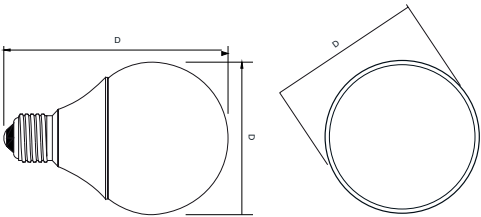
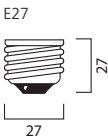
- Up to 81% energy saving compared to incandescent lamps
- Opal housing delivers all-round illumination whilst hiding burner design
- Provides flicker-free light in under 2 seconds
- Delivers 60% light output in less than 60 seconds
- No liquid mercury (<2.5mg pill)
- Good colour rendering
- Available in Homelight (2700K)
- Average rated life of 10,000 hours
- To be used in dry application or fully enclosed fixtures



Mini-Lynx® Globe

Code	Description	Watt (W)	Cap	Colour Temp (K)	Lumens (lm)	Average Rated Life (Hrs)	Volt (V)
0031464	20W E27	20	E27	2700	1152	10000	230
0031466	23W E27	23	E27	2700	1420	10000	230-240

E27	20W	23W
L	140	170
D	95	120



Dimensions (mm)



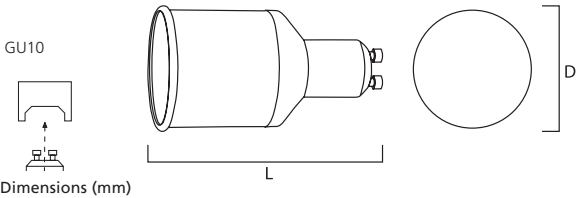
- Up to 81% energy saving compared to incandescent lamps
- Energy saving alternative to standard halogen lamps
- Provides a flicker-free start within 2 seconds
- Delivers 60% light in less than 1 minute
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K) and Cool White (4000K)
- Average rated life 8,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Reflector GU10

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
GU10 Homelight (827)								
0031049	9W/GU10	9	230-240	GU10	2700	235	8000	10
0031051	11W/GU10	11	230-240	GU10	2700	265	8000	10
GU10 Cool White (840)								
0031053	11W/GU10	11	230-240	GU10	4000	265	8000	10

GU10	9W	11W
L	82	90
D	50	50





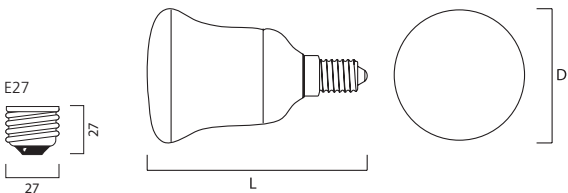
- Up to 80% energy saving compared to incandescent reflector lamps
- Provides a flicker-free start within 2 seconds
- Delivers 60% light in less than 1 minute
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K)
- Average rated life 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® R50 - R80 Reflector

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0031109	9W/E27	9	230-240	E27	2700	270	10000	10
0031113	15W/E27	15	230-240	E27	2700	645	10000	10
0031115	20W/E27	20	230-240	E27	2700	675	10000	10

E27	9W	15W	20W
L	105	122	132
D	63	80	80



Dimensions (mm)



PAR 30



PAR 38

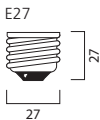
- Up to 80% energy saving compared to incandescent lamps
- Low heat emissions compared to halogen and incandescent
- Provides a flicker-free start in under 1 second
- Delivers 60% light in less than 100 seconds
- No liquid mercury (<2.5mg pill)
- 10,000 switching cycles
- Good colour rendering (CRI=80)
- Available in Homelight (2700K)
- Average rated life 10,000 hrs



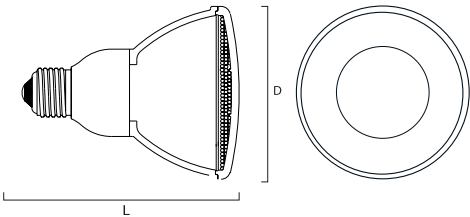
Mini-Lynx® PAR 30 & 38

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Lumens (lm)	Average Rated Life (Hrs)	Pack Qty
0031468	15W E27	20	230-240	E27	2700	700	10000	10
0031470	20W E27	23	230-240	E27	2700	1200	10000	10

	PAR30	PAR38
L	90	136
D	85	124

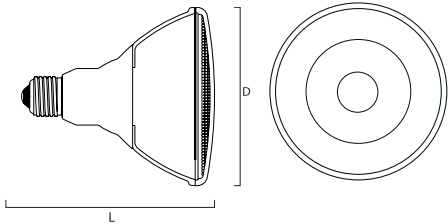


PAR 30



Dimensions (mm)

PAR 38



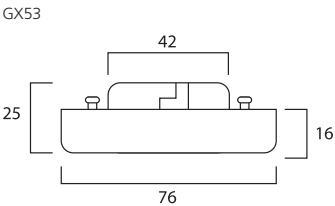


- Integrated twist and lock safety key
- Provides a flicker-free start within 2 seconds
- Delivers 60% light in less than 30 seconds
- Mercury content <2.5mg
- High switching cycle - 30,000 times over the life of the lamp
- Good colour rendering (CRI=80)
- Available in Warm White (3000K) and Cool White (4000K)
- Average rated life 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



Micro-Lynx® Luna

Code	Description	Watt (W)	Volt (V)	Cap	Colour	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Micro-Lynx Luna Warm White (830)									
0025477	Micro-Lynx Luna	6	230-240	GX53	White	3000	235	10000	20
Micro-Lynx Luna Cool White (840)									
0025478	Micro-Lynx Luna	6	230-240	GX53	White	4000	235	10000	20



Dimensions (mm)

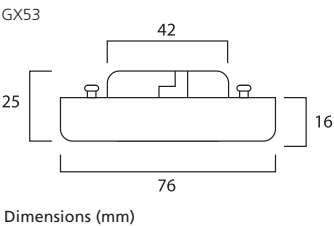


- Integrated twist and lock safety key
- Instant flicker free start (<0.3 seconds)
- Mercury content <2.5mg
- Good colour rendering (CRI=80)
- Average rated life 8,000 hrs
- Available in Homelight (2700K) Warm White (3000K) and Cool White (4000K)
- To be used in dry applications or fully enclosed fixtures



Micro-Lynx® F

Code	Description	Watt (W)	Volt (V)	Cap	Colour	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Micro-Lynx F Homelight (827)									
0025214	Micro-Lynx F	6	230-240	GX53	White	2700	230	8000	20
Micro-Lynx F Warm White (830)									
0025218	Micro-Lynx F	6	230-240	GX53	White	3000	230	8000	20
Micro-Lynx F Cool White (840)									
0025219	Micro-Lynx F	6	230-240	GX53	White	4000	230	8000	20





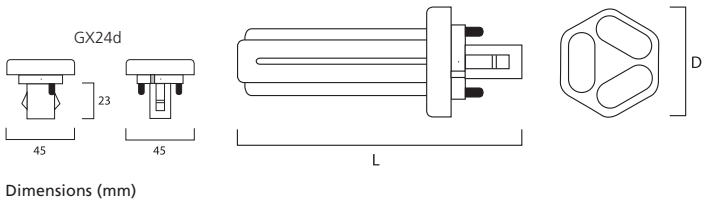
- Triple bend compact pin-base lamps
- Suitable for operation on conventional control gear
- Excellent colour rendering (CRI=85)
- Available in Warm White (3000K) and Cool white (4000K)
- Average rated life: 15000 hours



Lynx®-T

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Lynx-T Warm White Deluxe (830)								
0027801	18W/830	18	230-240	GX24d-2	3000	1200	15000	10
0027811	26W/830	26	230-240	GX24d-3	3000	1800	15000	10
Lynx-T Cool White Deluxe (840)								
0027802	18W/840	18	230-240	GX24d-2	4000	1200	15000	10
0027812	26W/840	26	230-240	GX24d-3	4000	1800	15000	10

GX24d	18W	26W
L	97	112
D	49	49





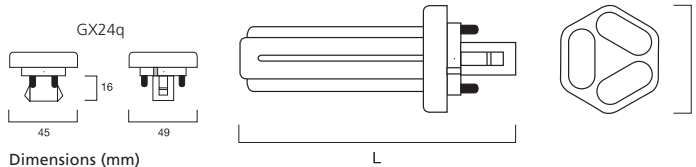
- Excellent luminous flux at high and low ambient temperatures
- Particularly suitable for use in the new generation of ultra compact fluorescent downlights and luminaires
- Amalgam technology designed for high temperature applications
- Excellent colour rendering - (CRI=80-89)
- To be operated on electronic ballasts only
- Dimmable with suitable dimmer
- Available in Warm White (3000K and Cool White (4000K)
- Average rated life: 15000 hours



Lynx® - TE Amalgam

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (hrs)	Packing Qty
Lynx-TE Warm White (830)								
0027817	18W/830	18	230-240	GX24q-2	3000	1200	15000	10
0027822	26W/830	26	230-240	GX24q-3	3000	1800	15000	10
0027842	32W/830	32	230-240	GX24q-3	3000	2400	15000	10
0027844	42W/830	42	230-240	GX24q-4	3000	3200	15000	10
Lynx-TE Cool White (840)								
0027816	18W/840	18	230-240	GX24q-2	4000	1200	15000	10
0027821	26W/840	26	230-240	GX24q-3	4000	1800	15000	10
0027840	32W/840	32	230-240	GX24q-3	4000	2400	15000	10
0027845	42W/840	42	230-240	GX24q-4	4000	3200	15000	10

GX24q	18W	26W	32W	42W
L	97	112	128	149
D	49	49	49	49



Dimensions (mm)



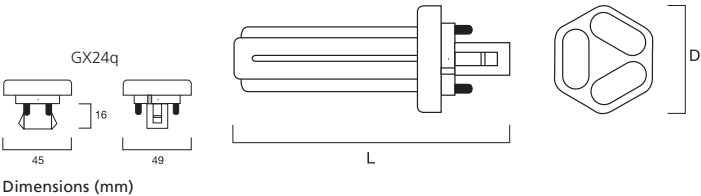
- Triple pin-base lamps for traditional fixtures, new installations and downlights
- Suitable for operation on electronic control gear
- Excellent colour rendering - (CRI= 80-89)
- Rapid Run-up
- Dimmable with suitable dimmer
- Available in Warm White (3000K and Cool White (4000K)
- Average Rated Life 15000 hrs



Lynx® - TE FSD

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Lynx-TE FSD Warm White (830)								
0027851	18W/830	18	230-240	GX24q-2	3000	1200	15000	10
0027854	26W/830	26	230-240	GX24q-3	3000	1800	15000	10
0027857	32W/830	32	230-240	GX24q-3	3000	2400	15000	10
0027860	42W/830	42	230-240	GX24q-4	3000	3200	15000	10
Lynx-TE FSD Cool White (840)								
0027852	18W/840	18	230-240	GX24q-2	4000	1200	15000	10
0027855	26W/840	26	230-240	GX24q-3	4000	1800	15000	10
0027858	32W/840	32	230-240	GX24q-3	4000	2400	15000	10
0027861	42W/840	42	230-240	GX24q-4	4000	3200	15000	10

GX24q	18W	26W	32W	42W
L	97	112	128	149
D	49	49	49	49





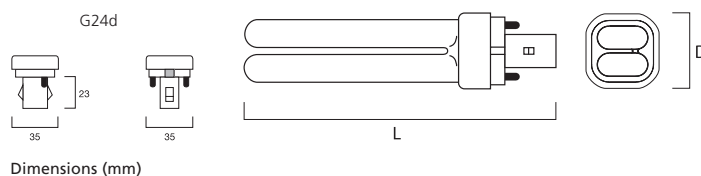
- Compact and high performance double bend pin base lamp
- Suitable for operation on conventional control gear
- Excellent luminous flux
- Excellent colour rendering – (CRI=85)
- Available in Hoelight (2700K), Warm White (3000K), White (3500K) Cool White (4000K) and Daylight (6500K)
- Average rated life: 10000 hours



Lynx®-D

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Lynx-D Homelight (827)								
0025904	10W/827	10	230-240	G24d-1	2700	600	10000	10
0025905	13W/827	13	230-240	G24d-1	2700	900	10000	10
0025906	18W/827	18	230-240	G24d-2	2700	1200	10000	10
0025907	26W/827	26	230-240	G24d-3	2700	1800	10000	10
Lynx-D Warm White (830)								
0025908	10W/830	10	230-240	G24d-1	3000	600	10000	10
0025909	13W/830	13	230-240	G24d-1	3000	900	10000	10
0025910	18W/830	18	230-240	G24d-2	3000	1200	10000	10
0025911	26W/830	26	230-240	G24d-3	3000	1800	10000	10
Lynx-D White (835)								
0025941	13W/835	13	230-240	G24d-1	3500	900	10000	10
0025942	18W/835	18	230-240	G24d-2	3500	1200	10000	10
0025943	26W/835	26	230-240	G24d-3	3500	1800	10000	10
Lynx-D Cool White (840)								
0025912	10W/840	10	230-240	G24d-1	4000	600	10000	10
0025913	13W/840	13	230-240	G24d-1	4000	900	10000	10
0025914	18W/840	18	230-240	G24d-2	4000	1200	10000	10
0025915	26W/840	26	230-240	G24d-2	4000	1800	10000	10
Lynx-D Daylight (860)								
0028323	13W/865	13	230-240	G24d-1	6500	900	10000	10
0028324	18W/865	18	230-240	G24d-2	6500	1200	10000	10
0028325	26W/865	26	230-240	G24d-3	6500	1800	10000	10

G24d	10W	13W	18W	26W
L	87	115	129	147
D	35	35	35	35





- Compact and high performance pin-base lamp for new and existing installations
- Suitable for operation on electronic control gear
- To be operated on electronic ballast only
- Suitable for emergency lighting
- Excellent luminous flux
- Excellent colour rendering – (CRI=85)
- Dimmable with suitable dimmer
- Available in Homelight (2700K), Warm White (3000K), white (3500K), Cool White (4000K) and Daylight (6500K)
- Average rated life: 12000 hours



Lynx® - DE

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Lynx-DE Homelight (827)								
0025916	10W/827	10	230-240	G24q-1	2700	600	12000	10
0025917	13W/827	13	230-240	G24q-1	2700	900	12000	10
0025918	18W/827	18	230-240	G24q-2	2700	1200	12000	10
0025919	26W/827	26	230-240	G24q-3	2700	1800	12000	10
Lynx-DE Warm White (830)								
0025920	10W/830	10	230-240	G24q-1	3000	600	12000	10
0025921	13W/830	13	230-240	G24q-1	3000	900	12000	10
0025922	18W/830	18	230-240	G24q-2	3000	900	12000	10
0025923	26W/830	26	230-240	G24q-3	3000	1800	12000	10
Lynx-DE White (835)								
0025945	13W/835	13	230-240	G24q-1	3500	900	12000	10
0025946	18W/835	18	230-240	G24q-2	3500	1200	12000	10
0025947	26W/835	26	230-240	G24q-3	3500	1800	12000	10
Lynx-DE Cool White (840)								
0025924	10W/840	10	230-240	G24q-1	4000	600	12000	10
0025925	13W/840	13	230-240	G24q-1	4000	900	12000	10
0025926	18W/840	18	230-240	G24q-2	4000	1200	12000	10
0025927	26W/840	26	230-240	G24q-3	4000	1800	12000	10
Lynx-DE Daylight (860)								
0025949	13W/860	13	230-240	G24q-1	6000	900	12000	10
0025950	18W/860	18	230-240	G24q-2	6000	1200	12000	10
0025951	26W/860	26	230-240	G24q-3	6000	1800	12000	10

G24d	10W	13W	18W	26W
L	87	115	129	147
D	35	35	35	35



Dimensions (mm)



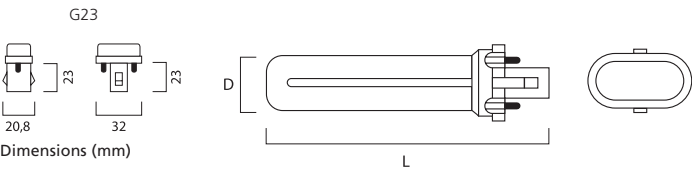
- Single pin-base compact lamps, suitable for wide range of applications
- Excellent colour rendering - (CRI=85)
- For use with magnetic ballast
- Available in Homelight (2700K), Warm White (3000K) and Cool white (4000K)
- Average rated life: 10000 hours



Lynx® - S

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Lynx-S Homelight (827)								
0025881	7W/827	7	230-240	G23	2700	420	10000	10
0025882	9W/827	9	230-240	G23	2700	600	10000	10
0025883	11W/827	11	230-240	G23	2700	900	10000	10
Lynx-S Warm White (830)								
0025884	5W/830	5	230-240	G23	3000	250	10000	10
0025885	7W/830	7	230-240	G23	3000	420	10000	10
0025886	9W/830	9	230-240	G23	3000	600	10000	10
0025887	11W/830	11	230-240	G23	3000	900	10000	10
Lynx-S Cool White (840)								
0025888	5W/840	5	230-240	G23	4000	250	10000	10
0025889	7W/840	7	230-240	G23	4000	420	10000	10
0025890	9W/840	9	230-240	G23	4000	600	10000	10
0025891	11W/840	11	230-240	G23	4000	900	10000	10

G23	5W	7W	9W	11W
L	105	134	165	233
D	28	28	28	28





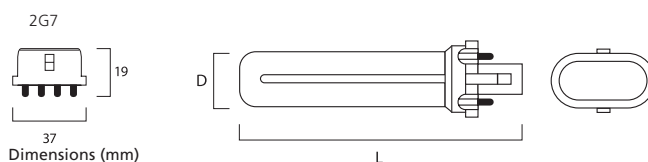
- Single-bend pin base compact lamp: Suitable for wide range of use
- Suitable for operation on electronic control gear
- Dimmable
- Extremely low profile
- Excellent colour rendering – (CRI=85)
- Suitable for emergency lighting
- Dimmable with suitable ballast
- Available in Homelight (2700K, Warm White (3000K and Cool White (4000K)
- Average rated life: 10000 hours



Lynx®-SE

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Lynx-SE Homelight (827)								
0025892	5W/827	5	230-240	2G7	2700	250	10000	10
0025893	7W/827	7	230-240	2G7	2700	420	10000	10
0025894	9W/827	9	230-240	2G7	2700	600	10000	10
0025895	11W/827	11	230-240	2G7	2700	900	10000	10
Lynx-SE Warm White (830)								
0025897	7W/830	7	230-240	2G7	3000	420	10000	10
0025898	9W/830	9	230-240	2G7	3000	600	10000	10
0025899	11W/830	11	230-240	2G7	3000	900	10000	10
Lynx-SE Cool White (840)								
0025900	5W/840	5	230-240	2G7	4000	250	10000	10
0025901	7W/840	7	230-240	2G7	4000	420	10000	10
0025902	9W/840	9	230-240	2G7	4000	600	10000	10
0025903	11W/840	11	230-240	2G7	4000	900	10000	10

2G7	5W	7W	9W	11W
L	85	115	145	215
D	28	28	28	28





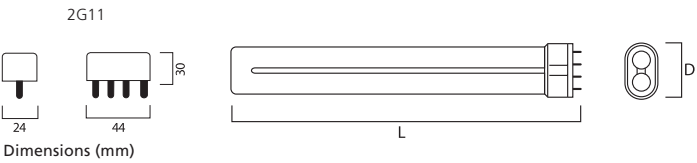
- Compact size alternative for tubular fluorescent lamps
- Suitable for operation on electronic and electromagnet control gears
- Excellent colour rendering - (CRI=85)
- 4-pin 2G11 cap without starter or capacitor
- Suitable for use in modular ceiling luminaires 300 x 300mm or 600 x 600mm
- Dimmable with suitable ballast
- Available in Warm White (3000K), Cool White (4000K) and Daylight (6000K)
- Average rated life: 20000 hours



Lynx®-L

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Lynx-L Warm White (830)								
0925233	18W/830	18	230-240	2G11	3000	1200	15000	10
0925235	24W/830	24	230-240	2G11	3000	1800	15000	10
0925237	36W/830	36	230-240	2G11	3000	2900	15000	10
Lynx-L Cool White (840)								
0925234	18W/840	18	230-240	2G11	4000	1200	15000	10
0925236	24W/840	24	230-240	2G11	4000	1800	15000	10
0925238	36W/840	36	230-240	2G11	4000	2900	15000	10
Lynx-L Daylight (860)								
0025685	18W/865	18	230-240	2G11	6000	100	15000	10

2G11	18W	24W	36W
L	225	320	415
D	38	38	38





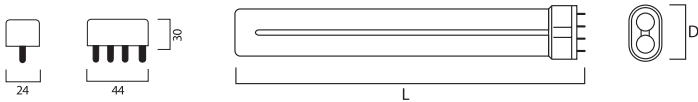
- Compact size alternative for tubular fluorescent lamps
- Suitable for operation on electronic control gears
- Excellent colour rendering – (CRI=85)
- 4-pin 2G11 cap without starter or capacitor
- Suitable for use in modular ceiling luminaires – 600 x 600mm
- Dimmable with suitable ballast
- Available in Warm White (3000K) and Cool White (4000K)
- Average rated life: 20000 hours



Lynx® - LE

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Lynx-LE Warm White Deluxe (830)								
0925461	40W/830	40	230-240	2G11	3000	3500	15000	10
0925464	55W/830	55	230-240	2G11	3000	4800	15000	10
Lynx-LE Cool White Deluxe (840)								
0925462	40W/840	40	230-240	2G11	4000	3500	15000	10
0925465	55W/840	55	230-240	2G11	4000	4800	15000	10

2G11



Dimensions (mm)



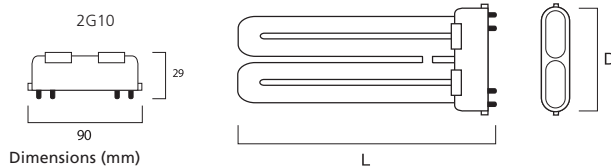
- Flat profile double bend pin-base lamp
- Suitable for operation on electronic and conventional control gears
- Very good colour rendering – (CRI=80)
- Ideal for small, flat luminaires for wall and ceiling mounting
- To be used with conventional magnetic or electronic ballast
- Dimmable with suitable ballast
- Available in Warm White (3000K) and Cool White (4000K)
- Average rated life: 10000 hours



Lynx®-F

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Lynx-F Warm White Deluxe (830)								
0027830	24W/830	24	230-240	2G10	3000	1700	15000	10
0027835	36W/830	36	230-240	2G10	3000	2800	15000	10
Lynx-F Cool White Deluxe (840)								
0027826	18W/840	18	230-240	2G10	4000	1100	15000	10
0027831	24W/840	24	230-240	2G10	4000	1700	15000	10
0027836	36W/840	36	230-240	2G10	4000	2800	15000	10

	2G10	18W	24W	36W
L		122	165	217
D		79	79	79





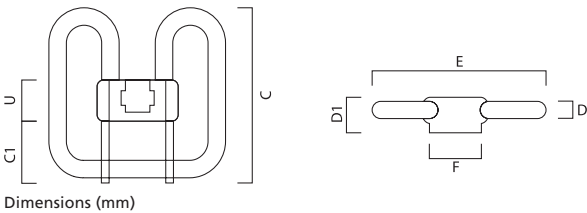
- Uniform distribution of light
- Suitable for operation on conventional control gears
- Flat profile, slim, high output lamps
- Excellent colour rendering - (CRI=85)
- 2-pin GR8 cap incorporate starter
- available in Homelight (2700K), white (3500K) and Cool White (4000K)
- Average rated life 10000 hours



Lynx[®]-Q

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
Lynx-Q Homelight (827)								
0024944	Lynx Q	16	230-240	GR8	2700	1050	10000	10
Lynx-Q White (835)								
0024946	Lynx Q	16	230-240	GR8	3500	1050	10000	10
Lynx-Q Cool White (840)								
0024947	Lynx Q	16	230-240	GR8	4000	1050	10000	10

Lynx-Q	C max.	C1 max.	D max.	D1 max.	E max.	F max.	U max.
16W	141	51	15	27.5	138	41	40





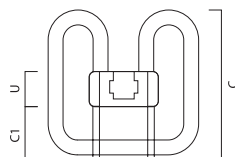
- Flat profile, slim, high output lamps
- Excellent colour rendering - (CRI=85)
- 4-pin GR10q cap without starter
- To be used with electronic ballast
- Dimmable with suitable ballast
- Available in Homelight (2700K), White (3500K) and Cool White (4000K)
- Average rated life 10000 hours



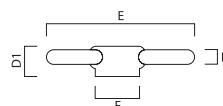
Lynx® - QE

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (hrs)	Packing Qty
Lynx-QE Homelight Deluxe (827)								
0024989	Lynx QE	16	-	GR10q	2700	1050	10000	10
0024997	Lynx QE	28	-	GR10q	2700	2050	10000	10
0025001	Lynx QE	38	-	GR10q	2700	2850	10000	10
Lynx-QE White Deluxe (835)								
0024991	Lynx QE	16	-	GR10q	3500	1050	10000	10
0024999	Lynx QE	28	-	GR10q	3500	2050	10000	10
0025003	Lynx QE	38	-	GR10q	3500	2850	10000	10
Lynx-QE Cool White Deluxe (840)								
0024992	Lynx QE	16	-	GR10q	4000	1050	10000	10
0025000	Lynx QE	28	-	GR10q	4000	2050	10000	10
0025004	Lynx QE	38	-	GR10q	4000	2850	10000	10

Lynx-Q	C max.	C1 max.	D max.	D1 max.	E max.	F max.	U max.
16W	141	51	15	27.5	138	41	40
28W	207	77	24	33.0	205	41	49
38W	207	77	24	33.0	205	41	49



Dimensions (mm)





HALOGEN

X Superia EcoPlus



X Low Pressure Capsule



X MR16 Cool Beam Eco



X Dichroic 35/50



X Superia 35



X Coolfit 50



X SA111



X Classic ECO



X High-Pin



X High Spot[®]



X Linear Double Ended Eco



Halogen lamps

Halogen lamps are known for excellent colour rendering (CRI=100) and for dazzling crisp light. This makes it the preferred light source for decorative, accent and general Lighting. We offer an attractive range of halogen lamps in mains voltage (230V-240V) and low voltage (12V) categories. Save on energy, not on light quality



Halogen EcoPlus

Sylvania's new Halogen EcoPlus technology captures and reuses energy to make lamps more efficient than conventional alternatives. EcoPlus' innovative recycling burner allows a more efficient use of energy without sacrificing quality or quantity of light.

Superia EcoPlus series offers a comprehensive range of light source solutions for a wide range of applications, including hotels, restaurants and cafes, retail and the residential sector. EcoPlus lamps save money, are environmentally friendly, produce an unbeatable quality of light and are 100% dimmable. What's more it's very easy to switch from conventional sources, with no installation issues, allowing a reduction in both energy costs and carbon emissions quickly and easily with low capital investment just by changing the lamps.

Classic Eco

Halogen Classic ECO are fully interchangeable with conventional incandescent lamps having no compatibility issues such as size, shape or with electronic control gear. Two times longer average life and excellent colour rendering makes it an ideal replacement lamp. All Halogen Classic ECO lamp are 100% dimmable, which means their light output can be modified according to the required ambience – from maximum brightness to comfortably dimmed.



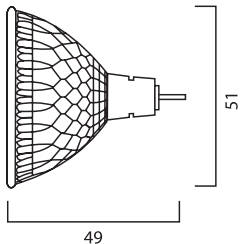
- Up to 40% energy savings
- Hard coated glass ensures stable light appearance throughout its life
- No loss in light intensity compared with standard MR16 dichroic lamps
- Unbeatable light quality (Ra=100)
- Attractive back light - preferred by Architects
- 100% Dimmable works in virtually every installation
- Average rated life of 5000 hrs - 2.5 times longer compared to standard MR16 dichroic lamps



Superia 50 EcoPlus

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
0021697	Superia 50 EcoPlus 20W	20	12	10	GU5.3	3000	6000	5000	10
0021698	Superia 50 EcoPlus 20W	20	12	36	GU5.3	3000	1000	5000	10
0021699	Superia 50 EcoPlus 35W	35	12	10	GU5.3	3000	11000	5000	10
0021700	Superia 50 EcoPlus 35W	35	12	24	GU5.3	3000	4100	5000	10
0021701	Superia 50 EcoPlus 35W	35	12	36	GU5.3	3000	2000	5000	10
0021702	Superia 50 EcoPlus 35W	35	12	60	GU5.3	3000	1000	5000	10
0021703	Superia 50 EcoPlus 45W	45	12	10	GU5.3	3000	15000	5000	10
0021704	Superia 50 EcoPlus 45W	45	12	24	GU5.3	3000	5450	5000	10
0021705	Superia 50 EcoPlus 45W	45	12	36	GU5.3	3000	2850	5000	10
0021706	Superia 50 EcoPlus 45W	45	12	60	GU5.3	3000	1300	5000	10

GX/GU5.3



Dimensions (mm)

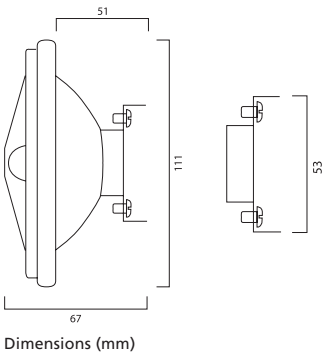


- Excellent beam control - minimum glare
- Up to 40% energy savings
- High light intensity
- 100% Dimmable works in virtually every installation
- Average rated life 4000 hrs - 33% longer average life than standard AR111



Superia 111 EcoPlus

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
0021875	Superia 111 Ecoplus 35W	35	12	6	G53	3000	22500	4000	50
0021876	Superia 111 Ecoplus 35W	35	12	24	G53	3000	4200	4000	50
0021877	Superia 111 Ecoplus 50W	50	12	6	G53	3000	33000	4000	50
0021878	Superia 111 Ecoplus 50W	50	12	24	G53	3000	5500	4000	50
0021879	Superia 111 Ecoplus 50W	50	12	40	G53	3000	2000	4000	50
0021880	Superia 111 Ecoplus 60W	60	12	6	G53	3000	42000	4000	50
0021881	Superia 111 Ecoplus 60W	60	12	24	G53	3000	7000	4000	50
0021882	Superia 111 Ecoplus 60W	60	12	40	G53	3000	2800	4000	50



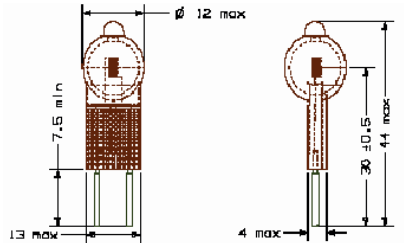


- Same light output as standard capsules
- Up to 40% energy savings
- 100% Dimmable works in virtually every installation
- EcoPlus lamps provide unbeatable light quality making everything look its best
- High luminosity efficacy means more light for your money
- Average rated life 4000 hrs - 2 times longer average life compared to standard LV capsules



Superia Capsule EcoPlus

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
0021800	Superia Capsule 25W	25	12	GY6.35	3000	500	4000	6
0021801	Superia Capsule 35W	35	12	GY6.35	3000	860	4000	6
0021802	Superia Capsule 50W	50	12	GY6.35	3000	1180	4000	6
0021803	Superia Capsule 60W	60	12	GY6.35	3000	1650	4000	6



Dimensions (mm)

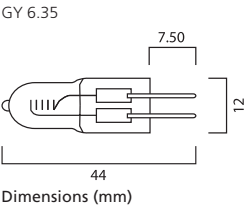


- Xenon technology
- Compact size for optimum luminaire design
- Dimmable using a suitable dimmer for operation with a transformer
- Constant light output throughout lamp life
- Suitable for use in open luminaires following Luminaire Standard EN 60598-1
- UV protected
- Suitable for interior display, shop windows, restaurants, etc
- Less CO₂ emissions - ECO Friendly
- Less heat generation than standard halogen capsules- more design freedom for luminaire manufacturers
- Excellent colour rendering (CRI=100)
- Average rated life 2000 hrs - 20% energy saving with same light output compared to standard capsules



Low Pressure Capsules Eco

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0021320	12V LP CAPS GY6.35 ECO	28	12	GY6.35	2800	500	2000	10
0021321	12V LP CAPS GY6.35 ECO	40	12	GY6.35	2800	900	2000	10





G4 5/10W



GY6.35



G4 20/35W

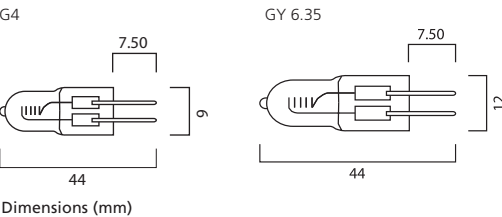
- Compact size for optimum luminaire design
- Dimmable using a suitable dimmer for operation with a transformer
- Constant light output throughout lamp life
- 5W/10W/20W/35W/50W capsules are suitable for use in open luminaires following Luminaire Standard EN 60598-1
- 75W/100W capsules are suitable for operating only in the Luminaire provided with a protective shield.
- Suitable for interior display, shop windows, restaurants, etc
- Precision task lighting
- Excellent colour rendering (CRI=100)
- Average rated life 2000hrs or 3000hrs



Low Pressure Capsule

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0022165	12V/5W LP	5	12	G4	2800	40	2000	100
0022241	12V/10W LP	10	12	G4	2800	100	2000	100
0022242	12V/20W LP	20	12	G4	2800	250	2000	100
0022246	12V/35W LP	35	12	G4	2800	500	2000	100
0021021	12V/35W LP	35	12	GY 6.35	2800	520	2000	100
0021022	12V/50W LP	50	12	GY 6.35	2800	900	2000	100
0021994*	12V/75W HP	75	12	GY 6.35	3050	1600	3000	50
0021995*	12V/100W HP	100	12	GY 6.35	3050	2300	3000	50

*High performance - pressure





- 10% energy saving compared with standard MR16 lamp
- Same light intensity as standard MR16 lamps.
- Cool beam - 66% of the heat produced is radiated through the back of the lamp
- Less CO₂ emissions - ECO Friendly
- Less heat generation.
- Dimmable using a suitable dimmer for operation with a transformer
- Constant colour and light output throughout lamp life
- Accent and decorative lighting in retail, commercial and domestic applications
- Suitable for use in open luminaires following Luminaire Standard EN 60598-1
- Excellent colour rendering (CRI=100)
- Average rated life 2000 hrs

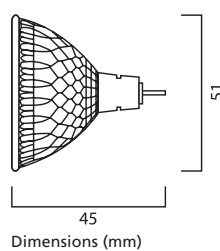


MR16 Cool Beam Eco

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
MR16 Cool Beam ECO									
0021807	ESX 16W SP10°	16	12	10	GU5.3	2925	3600	2000	10
0021808	BAB 16W WFL38°	16	12	38	GU5.3	2925	660	2000	10
0021809	FMT 28W SP10°	28	12	10	GU5.3	3000	5000	2000	10
0021810	FMW 28W WFL38°	28	12	38	GU5.3	3000	1200	2000	10
0021811	EXT 40W SP10°	40	12	10	GU5.3	3050	6000	2000	10
0021812	EXN 40W WFL38°	40	12	38	GU5.3	3050	1950	2000	10
0021813	FNV 40W WFL60°	40	12	60	GU5.3	3050	900	2000	10

10°				38°				60°	
16W	28W	40W		16W	28W	40W		40W	
175mmØ	1m	3600lx	5000lx	6000lx	689mmØ	1m	660lx	1200lx	1950lx
350mmØ	2m	900lx	1250lx	1500lx	1377mmØ	2m	165lx	300lx	490lx
525mmØ	3m	400lx	551lx	666lx	2066mmØ	3m	75lx	135lx	215lx
700mmØ	4m	225lx	312lx	375lx	2755mmØ	4m	40lx	75lx	120lx
								4619mmØ	4m
									55lx

GU5.3



Dimensions (mm)

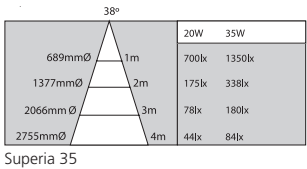


- 25% higher light output compared with standard dichroic lamps
- Cool Beam – 66% of the heat produced is radiated through the back of the lamp
- Spiral reflector, uniform beam pattern, patented design
- Constant colour and light output throughout lamp life
- No colour variation between lamps
- Professional lighting of objects and displays sensitive to heat
- Whiter light output
- Suitable for use in open luminaires following Luminaire Standard EN 60598-1
- Excellent colour rendering (CRI=100)
- Average rated life 4000 hrs - (33% longer life standard MR16 lamps)



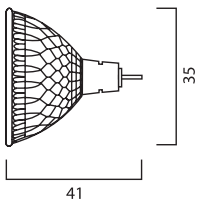
Superia 35

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
0022338	FTD 12V 20W WFL38°	20	12	38	GU4	2925	700	4000	10
0022341	FTH 12V 35W WFL38°	35	12	38	GU4	3000	1350	4000	10



Superia 35

GZ4/GU4



Dimensions (mm)

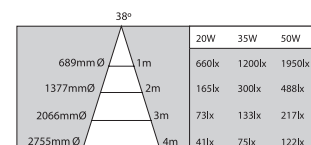
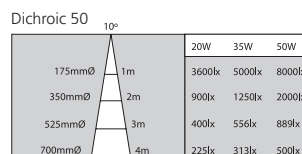
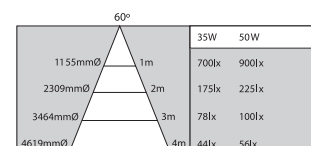
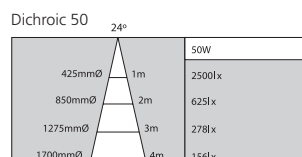
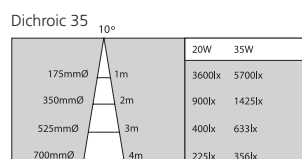


- Cool beam – 66% of the heat produced is radiated through the back of the lamp
- Dimmable using a suitable dimmer for operation with a transformer
- Constant colour and light output throughout lamp life
- Universal burning position
- Accent and decorative lighting in retail, commercial and domestic applications
- Suitable for use in open luminaires following Luminaire Standard EN 60598-1
- Excellent colour rendering (CRI=100)
- Average rated life 4000hrs

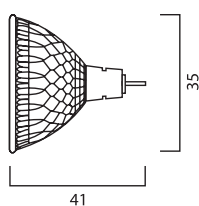


Dichroic 35/50

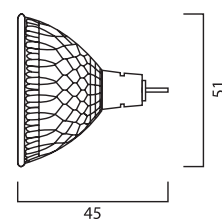
Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
Dichroic 35									
0022336	FTB 12V/20W SP10°	20	12	10	GU4	2900	3600	1500	10
0022339	FTE 12V/35W SP10°	35	12	10	GU4	2900	5700	1500	10
Dichroic 50									
0022580	ESX 20W/12V SP10°	20	12	10	GU5.3	2925	3600	4000	10
0021765	BAB 20W/12V WFL38°	20	12	38	GU5.3	2925	660	4000	10
0022581	FMT 35W/12V SP10°	35	12	10	GU5.3	3000	5000	4000	10
0021766	FMW 35W/12V WFL38°	35	12	38	GU5.3	3000	1200	4000	10
0022391	35W/12V VWFL60°	35	12	60	GU5.3	3000	700	4000	10
0022582	EXT 50W/12V SP10°	50	12	10	GU5.3	3050	8000	4000	10
0022348	EXZ 50W/12V FL24°	50	12	24	GU5.3	3050	2500	4000	10
0021767	EXN 50W/12V WFL38°	50	12	38	GU5.3	3050	1950	4000	10
0022390	FNW 50W/12V VWFL60°	50	12	60	GU5.3	3050	900	4000	10



GZ4/GU4



GX/GU5.3



Dimensions (mm)

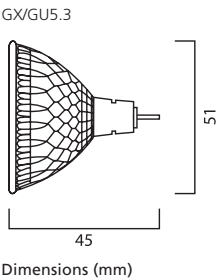
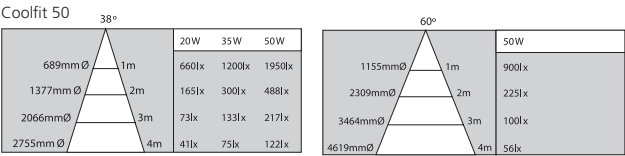


- Virtually all heat and light dissipated away from back of the lamp keeping fixture cool
- Wear resistant aluminium reflector for constant output and colour throughout life
- Easily recognisable by blue cement in lamp cap
- Can replace any 12V 50mmØ dichroic low voltage lamp
- Suitable for use in open luminaires following Luminaire Standard EN 60598-1
- Excellent colour rendering (CRI=100)
- Average rated life 5000 hrs (66% longer life than standard MR16 lamps)



Coolfit 50

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
Coolfit 50									
0022516	BAB/AL 20W 12V WFL38°	20	12	38	GU5.3	3000	660	5000	10
0022517	FMW/AL 35W 12V WFL38°	35	12	38	GU5.3	3000	1200	5000	10
0022519	EXN/AL 50W 12V WFL38°	50	12	38	GU5.3	3000	1950	5000	10
0022520	FNV/AL 50W 12V VWFL60°	50	12	60	GU5.3	3000	900	5000	10





- Aluminium reflector dissipates heat and light forward
- Dimmable using a suitable dimmer for operation with a transformer
- Even light distribution and constant colour throughout lamp life
- Integrated anti-glare shield
- Suitable for use in open luminaires following Luminaire Standard EN 60598-1
- For accent and decorative lighting in retail, commercial and domestic applications
- Excellent colour rendering (CRI=100)
- Average rated life 3000 hrs



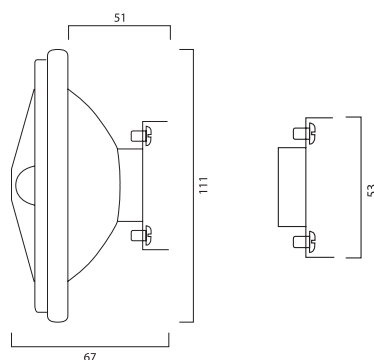
SA111

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
SA111									
0021850	SA111 SP8°	50	12	8	G53	2900	23000	3000	6
0021853	SA111 SP24°	50	12	24	G53	2900	4000	3000	6
0021856	SA111 WFL45°	50	12	45	G53	2900	1200	3000	6
0021851	SA111 SP8°	75	12	8	G53	2900	30000	3000	6
0021854	SA111 SP24°	75	12	24	G53	2900	5300	3000	6
0021857	SA111 WFL45°	75	12	45	G53	2900	1700	3000	6
0021852	SA111 SP8°	100	12	8	G53	2900	48000	3000	6
0021855	SA111 SP24°	100	12	24	G53	2900	8500	3000	6
0021858	SA111 WFL45°	100	12	45	G53	2900	2800	3000	6

8°		50W	75W	100W
140mmØ	1m	2300lx	3000lx	4800lx
280mmØ	2m	575lx	750lx	1200lx
420mmØ	3m	255lx	333lx	533lx
559mmØ	4m	143lx	187lx	300lx

24°		50W	75W	100W
425mmØ	1m	400lx	530lx	850lx
850mmØ	2m	100lx	132lx	212lx
1275mmØ	3m	44lx	58lx	94lx
1700mmØ	4m	25lx	33lx	53lx

45°		20W	35W	50W
828mmØ	1m	120lx	170lx	280lx
1657mmØ	2m	30lx	42lx	70lx
2485mmØ	3m	13lx	18lx	31lx
3314mmØ	4m	7lx	10lx	17lx



Dimensions (mm)



Classic ECO A55



Classic ECO A60 E27



Classic ECO A60 B22

- 1:1 replacement of Incandescent A55 lamp
- More efficient - more savings
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Sparkling light output
- Less heat generation than incandescent lamp
- Less CO₂ emissions
- Identical shape as standard incandescent lamp
- Commercial and domestic application
- 100% dimmable
- Average rated life 1500 hrs or 2000 hrs - up to two times more average life compared to incandescent lamps

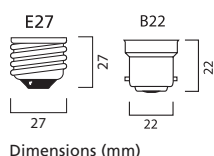
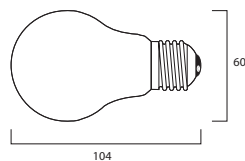
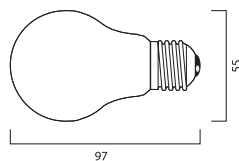


Classic Eco A55/A60

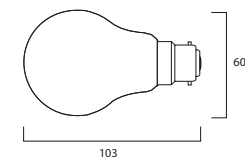
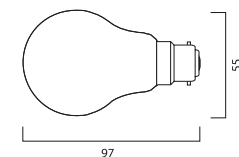
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0023733	Classic ECO A55 18W E27	18	230	E27	2800	210	2000	10
0023715	Classic ECO A55 18W B22	18	230	B22	2800	210	2000	10
0023713	Classic ECO A55 18W E27 240V	18	240	E27	2800	210	1500	10
0023711	Classic ECO A55 18W B22 240V	18	240	B22	2800	210	1500	10
0023724	Classic ECO A55 28W E27	28	230	E27	2800	370	2000	10
0023745	Classic ECO A55 28W B22	28	230	B22	2800	370	2000	10
0023767	Classic ECO A55 42W E27 240V	42	240	E27	2800	630	1500	10
0023481	Classic ECO A55 28W E27 240V	28	240	E27	2800	370	2000	10
0023480	Classic ECO A55 28W B22 240V	28	240	B22	2800	370	2000	10
0023768	Classic ECO A55 42W B22 240V	42	240	B22	2800	630	1500	10
0023132	Classic ECO A55 53W E27	53	230	E27	2800	850	2000	10
0023765	Classic ECO A55 42W E27	42	230	E27	2800	630	2000	10
0023766	Classic ECO A55 42W E27 240V	42	230	B22	2800	630	2000	10
0023133	Classic ECO A55 53W B22	53	230	B22	2800	850	2000	10
0023134	Classic ECO A55 53W E27 240V	53	240	E27	2800	850	2000	10
0023135	Classic ECO A55 53W B22 240V	53	240	B22	2800	850	2000	10
0023136	Classic ECO A55 70W E27	70	230	E27	2800	1200	2000	10
0023137	Classic ECO A55 70W B22	70	230	B22	2800	1200	2000	10
0023138	Classic ECO A55 70W E27 240V	70	240	E27	2800	1200	2000	10
0023139	Classic ECO A55 70W B22 240V	70	240	B22	2800	1200	2000	10
0022118	Classic ECO A60 105W E27	105	230	E27	2900	1900	2000	10
0022119	Classic ECO A60 105W E27 240V	105	240	E27	2900	1900	2000	10
0022120	Classic ECO A60 105W B22 240V	105	240	B22	2900	1900	2000	10

Classic ECO A55

Classic ECO A60



Dimensions (mm)



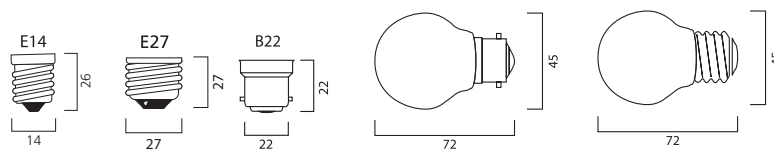


- 1:1 replacement of Incandescent Ball lamp
- More efficient - more savings
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Sparkling light output
- Less heat generation than incandescent lamp
- Less CO₂ emissions
- Identical shape as standard incandescent lamp
- Commercial and domestic application
- 100% dimmable
- Average rated life 1500 hrs or 2000 hrs - up to two times more average life compared to incandescent lamps



Classic Eco Ball

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0023737	Classic ECO Ball 18W E14	18	230	E14	2800	210	2000	10
0023716	Classic ECO Ball 18W E27	18	230	E27	2800	210	2000	10
0023490	Classic ECO Ball 18W E14 240V	18	240	E14	2800	210	1500	10
0023717	Classic ECO Ball 18W E27 240V	18	240	E27	2800	210	1500	10
0023719	Classic ECO Ball 18W B22 240V	18	240	B22	2800	210	1500	10
0023744	Classic ECO Ball 28W E14	28	230	E14	2800	370	2000	10
0023485	Classic ECO Ball 28W E14 240V	28	240	E14	2800	370	2000	10
0023746	Classic ECO Ball 28W E27	28	230	E27	2800	370	2000	10
0023486	Classic ECO Ball 28W E27 240V	28	240	E27	2800	370	2000	10
0023488	Classic ECO Ball 28W B22 240V	28	240	B22	2800	370	2000	10
0023776	Classic ECO Ball 42W E14	42	230	E14	2800	630	2000	10
0023777	Classic ECO Ball 42W E14 240V	42	240	E14	2800	630	2000	10
0023778	Classic ECO Ball 42W E27	42	230	E27	2800	630	2000	10
0023779	Classic ECO Ball 42W E27 240V	42	240	E27	2800	630	2000	10
0023780	Classic ECO Ball 42W B22 240V	42	240	B22	2800	630	2000	10



Dimensions (mm)

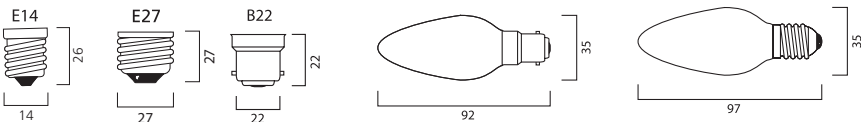


- 1:1 replacement of Incandescent Candle lamp
- More efficient - more savings
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Sparkling light output
- Less heat generation than incandescent lamp
- Less CO2 emissions
- Identical shape as standard incandescent lamp
- Commercial and domestic application
- 100% dimmable
- Average rated life 1500 hrs or 2000 hrs - up to two times more average life compared to incandescent lamps



Classic Eco Candle

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0023720	Classic ECO Candle 18W E14 Single Blister	18	230	E14	2800	210	2000	20
0023743	Classic ECO Candle 28W E14	28	230	E14	2800	370	2000	20
0023775	Classic ECO Candle 42W E14 Single Blister	42	230	E14	2800	630	2000	20
0023739	Classic ECO Candle 18W E14	18	230	E14	2800	210	2000	10
0023714	Classic ECO Candle 18W E27	18	230	E27	2800	210	2000	10
0023483	Classic ECO Candle 18W E14 240V	18	240	E14	2800	210	1500	10
0023726	Classic ECO Candle 18W E27 240V	18	240	E27	2800	210	1500	10
0023723	Classic ECO Candle 18W B22 240V	18	240	B22	2800	210	1500	10
0023740	Classic ECO Candle 28W E14	28	230	E14	2800	370	2000	10
0023484	Classic ECO Candle 28W E14 240V	28	240	E14	2800	370	2000	10
0023482	Classic ECO Candle 28W E27 240V	28	240	E27	2800	370	2000	10
0023738	Classic ECO Candle 28W B22 240V	28	240	B22	2800	370	2000	10
0023771	Classic ECO Candle 42W E14	42	230	E14	2800	630	2000	10
0023772	Classic ECO Candle 42W E14 240V	42	240	E14	2800	630	2000	10
0023773	Classic ECO Candle 42W E27	42	240	E27	2800	630	2000	10
0023774	Classic ECO Candle 42W B22	42	240	B22	2800	630	2000	10



Dimensions (mm)

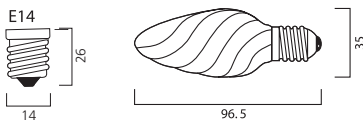


- Decorative halogen candle twisted lamp
- 1:1 replacement of Incandescent lamp
- More efficient - more savings
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Sparkling light output
- Less heat generation than incandescent lamp
- Less CO2 emissions
- Identical shape as standard incandescent lamp
- For chandeliers and decorative fixtures in domestic and commercial application
- 100% dimmable
- Average rated life 1500 hrs or 2000 hrs - up to two times more average life compared to incandescent lamps



Classic Eco Candle Twisted

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0023742	Classic ECO Twisted Candle 18W E14	18	230	E14	2800	210	2000	10
0023718	Classic ECO Twisted Candle 18W E14 240V	18	240	E14	2800	210	1500	10
0023735	Classic ECO Twisted Candle 28W E14	28	230	E14	2800	370	2000	10
0023722	Classic ECO Twisted Candle 28W E14 240V	28	240	E14	2800	370	2000	10
0023455	Classic ECO Twisted Candle 42W E14	42	230	E14	2800	630	2000	10
0023456	Classic ECO Twisted Candle 42W E14 240V	42	240	E14	2800	630	2000	10



Dimensions (mm)

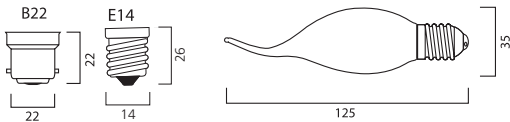


- Decorative halogen candle Bent Tip lamp
- 1:1 replacement of Incandescent lamp
- More efficient - more savings
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Sparkling light output
- Less heat generation than incandescent lamp
- Less CO2 emissions
- Identical shape as standard incandescent lamp
- For chandeliers and decorative fixtures in domestic and commercial application
- 100% dimmable
- Average rated life 1500 hrs or 2000 hrs - up to two times more average life compared to incandescent lamps



Classic Eco Candle Bent Tip

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0023734	Classic ECO Bent-tip 18W E14	18	230	E14	2800	210	2000	10
0023728	Classic ECO Bent-tip 18W E14 240V	18	240	E14	2800	210	1500	10
0023712	Classic ECO Bent-tip 18W B22 240V	18	240	B22	2800	210	1500	10
0023729	Classic ECO Bent-tip 28W E14	28	230	E14	2800	370	2000	10
0023731	Classic ECO Bent-tip 28W E14 240V	28	240	E14	2800	370	2000	10
0023727	Classic ECO Bent-tip 28W B22 240V	28	240	B22	2800	370	2000	10



Dimensions (mm)



R50



R63



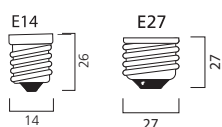
R80

- 1:1 replacement of Incandescent reflector lamps
- More efficient - more savings
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Crisp light output
- Less heat generation than incandescent lamp
- Less CO₂ emissions
- Identical shape as standard incandescent lamp
- Commercial and domestic application
- Suitable for shop windows, displays, discos and clubs as well in the home
- For use in track or surface mounted spotlights or in recessed down lights
- 100% dimmable
- Average rated life 2000 hrs - two times more average life compared to incandescent lamps

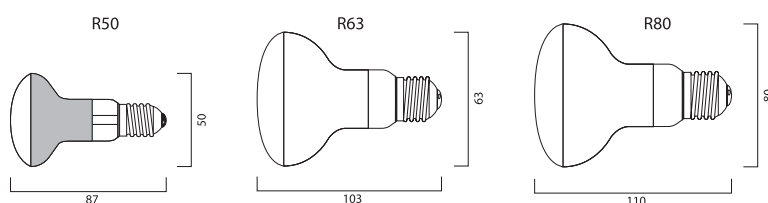


Classic Eco R50/R63/R80

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
Classic ECO R50									
0023102	R50 18W 230V E14 FL30°	18	230	30	E14	2800	200	2000	10
0023103	R50 18W 240V E14 FL30°	18	240	30	E14	2800	200	2000	10
0023120	R50 28W 230V E14 FL30°	28	230	30	E14	2800	335	2000	10
0023121	R50 28W 240V E14 FL30°	28	240	30	E14	2800	335	2000	10
Classic ECO R63									
0023124	R63 28W 230V E27 FL30°	28	230	30	E27	2800	335	2000	10
0023125	R63 28W 240V E27 FL30°	28	240	30	E27	2800	335	2000	10
0023122	R63 42W 230V E27 FL30°	42	230	30	E27	2800	570	2000	10
0023123	R63 42W 240V E27 FL30°	42	240	30	E27	2800	570	2000	10
Classic ECO R80									
0023127	R80 28W 240V E27 FL30°	28	240	30	E27	2800	335	2000	10
0023126	R80 42W 240V E27 FL30°	42	240	30	E27	2800	570	2000	10
0023147	R80 53W 240V E27 FL30°	53	240	30	E27	2800	750	2000	10
0023148	R80 70W 240V E27 FL30°	70	240	30	E27	2800	1080	2000	10
Classic ECO R95									
0022116	R90 42W 240V E27 FL30°	42	240	30	E27	2800	690	2000	10
0022117	R90 70W 240V E27 FL30°	70	240	30	E27	2800	1500	2000	10



Dimensions (mm)



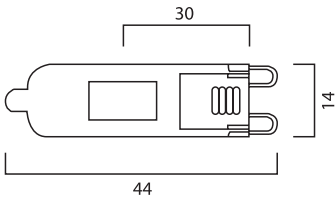


- Xenon technology
- Less CO2 emissions - ECO Friendly
- Less heat generation than standard G9 capsules - more design freedom for luminaire manufacturers
- Compact size
- Integral safety fuse
- Suitable for use in open luminaires following Luminaire Standard EN 60598-1
- Easy installation with G9 plug-in base
- Transformer free operation
- 100% dimmable
- Average life of 1000 hrs or 2000 hrs



Hi-Pin G9 Eco

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
0022831	HI-PIN ECO 18W G9 Single Blister	18	230	G9	2800	180	1000	10
0022833	HI-PIN ECO 28W G9 Single Blister	28	230	G9	2800	180	1000	10
0022835	HI-PIN ECO 42W G9 Single Blister	42	230	G9	2800	630	1000	10
0022837	HI-PIN ECO 53W G9 Single Blister	53	230	G9	2800	850	1000	10
0022834	HI-PIN ECO 42W G9 Twin Blister	28	240	G9	2800	345	1000	10
0022836	HI-PIN ECO 42W G9 Twin Blister	42	240	G9	2800	630	1000	10
0023754	HI-PIN ECO 18W 230V G9	18	230	G9	2800	210	2000	10
0023755	HI-PIN ECO 18W 240V G9	18	240	G9	2800	210	1500	10
0023756	HI-PIN ECO 28W 230V G9	28	230	G9	2800	370	2000	10
0023493	HI-PIN ECO 28W 240V G9	28	240	G9	2800	370	2000	10
0022844	HI-PIN ECO 42W 230V G9	42	230	G9	2800	630	1500	10
0022845	HI-PIN ECO 42W 240V G9	42	240	G9	2800	630	1500	10
0022846	HI-PIN ECO 53W 230V G9	53	230	G9	2800	850	2000	10
0022847	HI-PIN ECO 53W 240V G9	53	240	G9	2800	850	2000	10



Dimensions (mm)

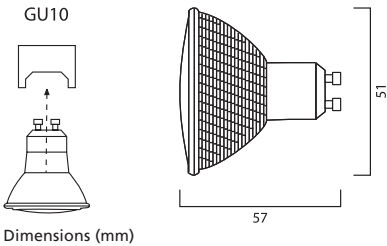
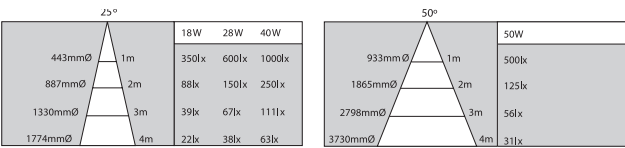


- Xenon technology
- High light intensity
- Unique, patented, spiral faceted reflector
- 100% dimmable
- Integral safety fuse
- For accent or decorative lighting in retail, commercial and domestic applications
- Transformer free operation
- Average rated life of 2000 hrs



Hi-Spot® ES50 Eco

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
Hi-Spot ES50 ECO									
0022717	Hi-Spot ES50 ECO 18W FL25°	18	230	25	GU10	2700	350	2000	10
0022718	Hi-Spot ES50 ECO 18W FL25°	18	240	25	GU10	2700	350	2000	10
0022719	Hi-Spot ES50 ECO 28W FL25°	28	230	25	GU10	2800	600	2000	10
0022720	Hi-Spot ES50 ECO 28W FL25°	28	240	25	GU10	2800	600	2000	10
0022721	Hi-Spot ES50 ECO 40W FL25°	40	230	25	GU10	2800	1000	2000	10
0022722	Hi-Spot ES50 ECO 40W FL25°	40	240	25	GU10	2800	1000	2000	10
0022723	Hi-Spot ES50 ECO 40W WFL50°	40	230	50	GU10	2800	500	2000	10
0022724	Hi-Spot ES50 ECO 40W WFL50°	40	240	50	GU10	2800	500	2000	10



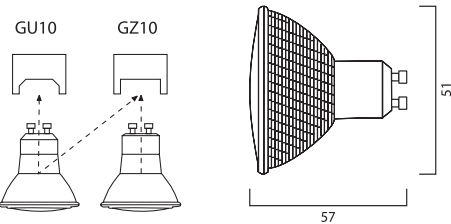
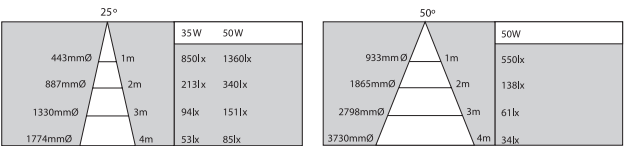


- Unique long life filament
- Xenon gas filling for increased light output
- Unique, patented, spiral faceted aluminised reflector
- For accent or decorative lighting in retail, commercial and domestic applications
- Ceramic base, brass contacts for a robust fitting
- For use in mains voltage GU10/GZ10 downlights, spotlights and luminaires
- Transformer free halogen
- 100% dimmable
- Integral Safety fuse
- Average rated life 4000 hrs



Hi-Spot® ES50/ESD50 Superia

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
Hi-Spot ES50 Superia									
0022900	ES50 Superia 35W FL25°	35	230	25	GU10	2700	850	4000	10
0022902	ES50 Superia 50W FL25°	50	230	25	GU10	2750	1360	4000	10
0022906	ES50 Superia 50W WFL50°	50	230	50	GU10	2750	550	4000	10
0022901	ES50 Superia 35W FL25°	35	240	25	GU10	2700	850	4000	10
0022903	ES50 Superia 50W FL25°	50	240	25	GU10	2750	1360	4000	10
0022907	ES50 Superia 50W WFL50°	50	240	50	GU10	2750	550	4000	10
Hi-Spot ESD50 Dichroic Superia									
0022904	ESD50 Superia 50W FL25°	50	230	25	GZ10	2800	1360	4000	10
0022908	ESD50 Superia 50W WFL50°	50	230	50	GZ10	2800	550	4000	10
0022905	ESD50 Superia 50W FL25°	50	240	25	GZ10	2800	1360	4000	10
0022909	ESD50 Superia 50W WFL50°	50	240	50	GZ10	2800	550	4000	10



Dimensions (mm)

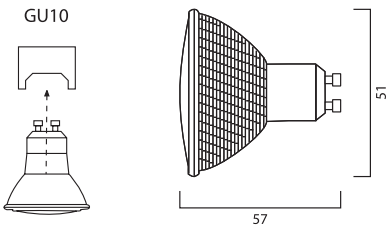
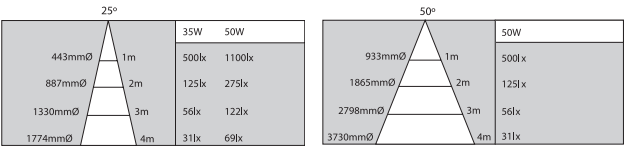


- Unique, patented, spiral faceted aluminised reflector
- Clear front lens for crisp sparkling light
- Integral safety fuse
- Ceramic base
- For use in mains voltage GU10 downlights, spotlights and luminaires
- Transformer free operation
- Average rated life 2500 hrs



Hi-Spot® ES50 Home

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
Hi-Spot ES50 Home									
0021254	Hi-Spot ES50 35W FL25°	35	230-240	25	GU10	2700	500	2500	10
0021256	Hi-Spot ES50 50W FL25°	50	230-240	25	GU10	2700	1100	2500	10
0021261	Hi-Spot ES50 50W WFL50°	50	230-240	50	GU10	2700	500	2500	10



Dimensions (mm)

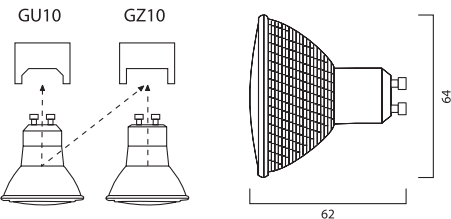
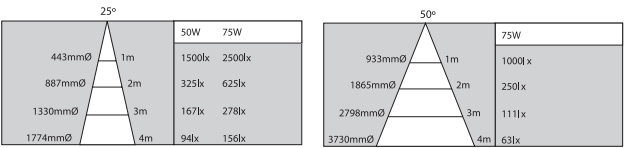


- Halogen light without the need for a transformer
- Installing and changing lamps made easier with the ‘twist and lock’ GU10 and GZ10 caps
- Unique patented, computer designed spiral faceted reflector
- 100% dimmable
- For accent or decorative lighting in retail, commercial and domestic applications
- Suitable for outdoor use when protected from contact with water
- Average rated life 2500 hrs



Hi-Spot® ES63/ESD63

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
Hi-Spot ES63									
0022266	Hi-Spot ES63 50W FL25°	50	230	25	GU10	2750	1500	2500	15
0022271	Hi-Spot ES63 75W FL25°	75	230	25	GU10	2800	2500	2500	15
0022261	Hi-Spot ES63 75W WFL50°	75	230	50	GU10	2800	1000	2500	15
0022268	Hi-Spot ES63 50W FL25°	50	240	25	GU10	2750	1500	2500	15
0022274	Hi-Spot ES63 75W FL25°	75	240	25	GU10	2800	2500	2500	15
0022264	Hi-Spot ES63 75W WFL50°	75	240	50	GU10	2800	1000	2500	15
Hi-Spot ESD63 Dichroic									
0022281	Hi-Spot ESD63 75W FL25°	75	230	25	GZ10	2850	2500	2500	15
0022291	Hi-Spot ESD63 75W WFL50°	75	230	50	GZ10	2850	1000	2500	15
0022284	Hi-Spot ESD63 75W FL25°	75	240	25	GZ10	2850	2500	2500	15



Dimensions (mm)



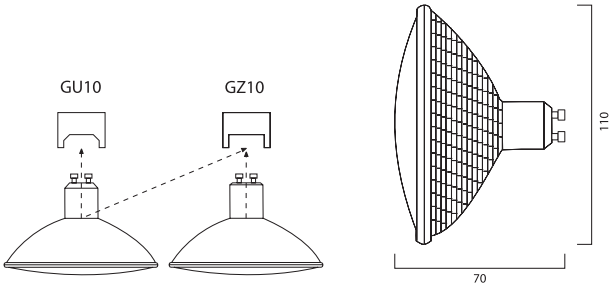
- Mains voltage alternative to Sylvania SA111 aluminium reflector lamp
- With integral anti-glare shield option
- Halogen light without the need for a transformer
- Installing and changing lamps made easier with the 'twist and lock' GU10 and GZ10 caps
- For accent or decorative lighting in retail, commercial and domestic applications
- Average rated life 2000 hrs



Hi-Spot® ES111/ESD111 AG

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
Hi-Spot ES111 without anti-glare									
0022221	Hi-Spot ES111 75W FL24°	75	230	24	GU10	2800	3000	2000	15
0022223	Hi-Spot ES111 75W FL24°	75	240	24	GU10	2800	3000	2000	15
Hi-Spot ES111 with anti-glare									
0022224	Hi-Spot ES111 75W FL24°	75	230	24	GU10	2800	3500	2000	15
0022225	Hi-Spot ES111 75W FL24°	75	240	24	GU10	2800	3500	2000	15
Hi-Spot ESD111 Dichroic with anti-glare									
0022227	Hi-Spot ES111 100W FL24°	100	230	24	GZ10	2900	5000	2000	15
0022226	Hi-Spot ES111 100W FL24°	100	240	24	GZ10	2900	5000	2000	15

24°		75W 100W	
425mmØ	1m	3500lx	5000lx
850mmØ	2m	875lx	125lx
1275mmØ	3m	389lx	556lx
1700mmØ	4m	219lx	313lx



Dimensions (mm)

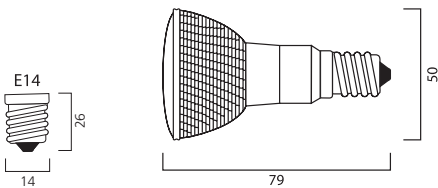
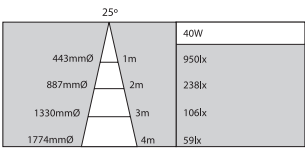


- Retrofit solution for E14 incandescent R50 lamps
- Halogen light without the need for a transformer
- Unique, patented spiral reflector design for uniform beam pattern
- 100% dimmable
- For use in mains voltage E14 cap downlights, spotlights and luminaires
- Average rated life 2000 hrs



Hi-Spot® 50

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
Hi-Spot 50									
0021081	Hi-Spot 50 40W FL25°	40	230	25	E14	2700	950	2000	15
0021084	Hi-Spot 50 40W FL25°	40	240	25	E14	2700	950	2000	15



Dimensions (mm)

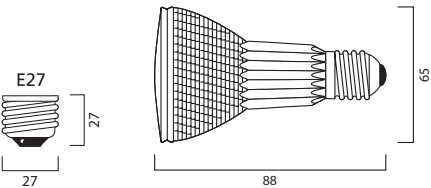
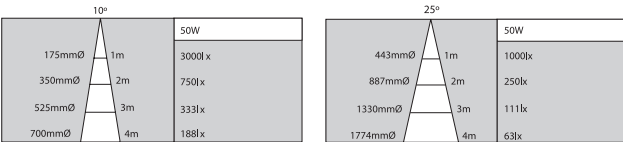


- Halogen light without the need for a transformer
- Unique, patented, spiral faceted aluminised reflector
- 100% dimmable
- For use in mains voltage E27 cap downlights, spotlights and luminaires
- For accent or decorative lighting in retail, commercial and domestic applications
- Suitable for outdoor use when protected from direct contact with water
- Average rated life 2500hrs - 25% longer life than conventional PAR halogen lamps



Hi-Spot® 63

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
0021125	Hi-Spot 63 50W SP10°	50	230	10	E27	2900	3000	2500	15
0021126	Hi-Spot 63 50W FL25°	50	230	25	E27	2900	1000	2500	15
0021127	Hi-Spot 63 50W SP10°	50	240	10	E27	2900	3000	2500	15
0021128	Hi-Spot 63 50W FL25°	50	240	25	E27	2900	1000	2500	15



Dimensions (mm)

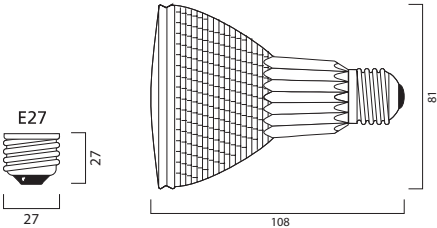
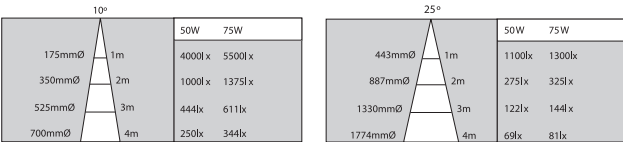


- Halogen light without the need for a transformer
- Unique, patented, spiral faceted aluminised reflector
- 100% dimmable
- For use in mains voltage E27 cap downlights, spotlights and luminaires
- For accent or decorative lighting in retail, commercial and domestic applications
- Suitable for outdoor use when protected from direct contact with water
- Average rated life 2500hrs or 3000hrs - up to 50% longer than conventional halogen PAR lamps



Hi-Spot® 80 Superia Extralife

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
0021131	Hi-Spot 80 50W SP10°	50	230	10	E27	2900	4000	2500	15
0021132	Hi-Spot 80 50W FL25°	50	230	25	E27	2900	1100	2500	15
0021133	Hi-Spot 80 75W SP10°	75	230	10	E27	2900	5500	3000	15
0021134	Hi-Spot 80 75W FL25°	75	230	25	E27	2900	1300	3000	15
0021161	Hi-Spot 80 50W SP10°	50	240	10	E27	2900	4000	2500	15
0021162	Hi-Spot 80 50W FL25°	50	240	25	E27	2900	1100	2500	15
0021163	Hi-Spot 80 75W SP10°	75	240	10	E27	2900	5500	3000	15
0021164	Hi-Spot 80 75W FL25°	75	240	25	E27	2900	1300	3000	15



Dimensions (mm)



- Halogen light without the need for a transformer
- Unique, patented, spiral faceted aluminised reflector
- 100% dimmable
- For use in mains voltage E27 cap downlights, spotlights and luminaires
- Use dichroic lamps for lighting food, textiles and other objects sensitive to heat
- Suitable for outdoor use when protected from direct contact with water
- Average rated life 3000 hrs - 50% longer life than conventional halogen PAR lamps



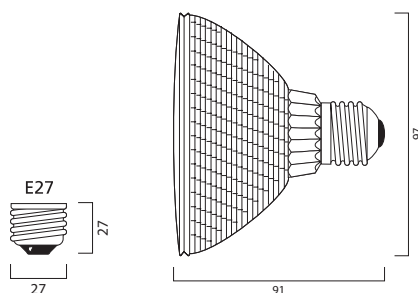
UV STOP

COOL
BEAM
G210/ESD
versions

Hi-Spot® 95 Superia Extralife

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty	
Hi-Spot 95										
0021230	Hi-Spot 95 75W SP10°	75	230	10	E27	2900	6900	3000	15	
0021231	Hi-Spot 95 75W FL30°	75	230	30	E27	2900	2200	3000	15	
0021234	Hi-Spot 95 100W SP10°	100	230	10	E27	2900	10000	3000	15	
0021235	Hi-Spot 95 100W FL30°	100	230	30	E27	2900	3500	3000	15	
0021232	Hi-Spot 95 75W SP10°	75	240	10	E27	2900	6900	3000	15	
0021233	Hi-Spot 95 75W FL30°	75	240	30	E27	2900	2200	3000	15	
0021236	Hi-Spot 95 100W SP10°	100	240	10	E27	2900	10000	3000	15	
0021237	Hi-Spot 95 100W FL30°	100	240	30	E27	2900	3500	3000	15	
Hi-Spot 95 Dichroic										
0021291	Hi-Spot 95 75W FL30° D	75	230	30	E27	2900	2400	3000	15	
0021293	Hi-Spot 95 75W FL30° D	75	240	30	E27	2900	2400	3000	15	
Hi-Spot 95 Reinforced										
0021274	Hi-Spot 95 75W SO 10o Reinforced		75	240	10	E27	2900	8000	3000	15
0021275	Hi-Spot 95 75W FL 30o Reinforced		75	240	30	E27	2900	2600	3000	15

10°		30°	
75W	100W	75W	75W DIC 100W
175mmØ	1m	536mmØ	1m
350mmØ	2m	1072mmØ	2m
525mmØ	3m	1608mmØ	3m
700mmØ	4m	2144mmØ	4m
6900lx	10000lx	2200lx	2400lx
1725lx	2500lx	550lx	600lx
767lx	1111lx	244lx	267lx
431lx	625lx	138lx	150lx
			219lx



Dimensions (mm)

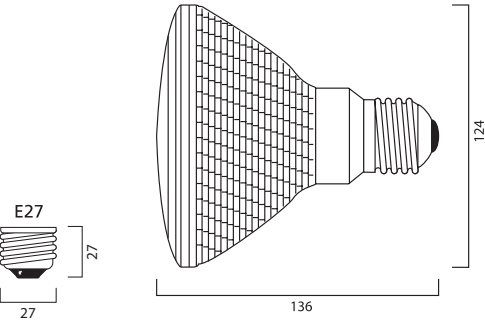
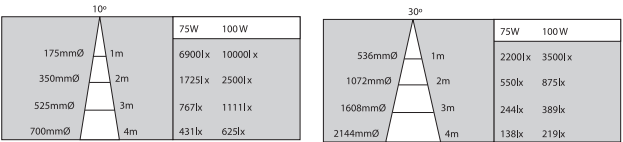


- Halogen light without the need for a transformer
- Unique, patented, spiral faceted aluminised reflector
- 100% dimmable
- For use in mains voltage E27 cap downlights, spotlights and luminaires
- For accent or decorative lighting in retail, commercial and domestic applications
- Suitable for outdoor use when protected from direct contact with water
- Average rated life 3000hrs - 50% longer than conventional halogen lamps



Hi-Spot® 120

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Colour Temp (K)	Luminous Intensity (cd)	Average Rated Life (Hrs)	Packing Qty
0021141	Hi-Spot 120 75W FL30°	75	230	30	E27	2900	2200	3000	15
0021144	Hi-Spot 120 100W SP10°	100	230	10	E27	2900	10000	3000	15
0021145	Hi-Spot 120 100W FL30°	100	230	30	E27	2900	3500	3000	15
0021142	Hi-Spot 120 75W SP10°	75	240	10	E27	2900	6900	3000	15
0021143	Hi-Spot 120 75W FL30°	75	240	30	E27	2900	2200	3000	15
0021146	Hi-Spot 120 100W SP10°	100	240	10	E27	2900	10000	3000	15
0021147	Hi-Spot 120 100W FL30°	100	240	30	E27	2900	3500	3000	15



Dimensions (mm)



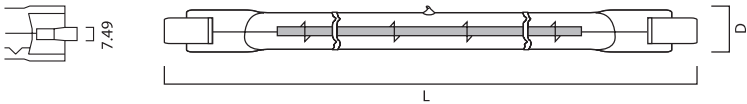
- Xenon technology
- Sparkling light output
- Less CO₂ emissions
- Less heat generation.
- Transformer free operation
- Filament support method patented
- Average rated life 1000 hrs or 2000 hrs - 20% energy savings compared to standard halogen double ended lamps with same light output



Linear Double Ended Eco

Code	Description	Watt (W)	Volt (V)	Cap	Colour Temp (°)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0021529	DE ECO 78mm 230V 48W	48	230	R7s	2900	750	1000	10
0021530	DE ECO 78mm 240V 48W	48	240	R7s	2900	750	1000	10
0021531	DE ECO 78mm 230V 80W	80	230	R7s	2900	1400	1000	10
0021532	DE ECO 78mm 240V 80W	80	240	R7s	2900	1400	1000	10
0021533	DE ECO 78mm 230V 120W	120	230	R7s	2950	2250	1000	10
0021534	DE ECO 78mm 240V 120W	120	240	R7s	2950	2250	1000	10
0021713	DE ECO 118mm 230V 120W	120	230	R7s	2950	2250	2000	10
0021714	DE ECO 118mm 240V 120W	120	240	R7s	2950	2250	2000	10
0021715	DE ECO 118mm 230V 160W	160	230	R7s	3000	3100	2000	10
0021716	DE ECO 118mm 240V 160W	160	240	R7s	3000	3100	2000	10
0021717	DE ECO 118mm 230V 230W	230	230	R7s	3000	4800	2000	10
0021718	DE ECO 118mm 240V 230W	230	240	R7s	3000	4800	2000	10
0021719	DE ECO 118mm 230V 400W	400	230	R7s	3000	9000	2000	10
0021720	DE ECO 118mm 240V 400W	400	240	R7s	3000	9000	2000	10

R7s	Double Ended 78
L	78
D	10
R7s	Double Ended 118
L	118
D	8



Dimensions (mm)





INCANDESCENT

X	GLS	
X	Candle Lamps	
X	Ball Lamps	
X	Reflector Lamps	
X	Par Lamps	
X	Tubular Lamps	
X	Pygmy Lamps	
X	Striplights/Linear Lamps	

Incandescent Lamps

In many countries, incandescent lamps remain the most popular lamps, especially in the home, where they act as the work-horse lighting source. Even in countries where incandescent lamps are no longer available for household non illumination, types are available for special applications such as appliances, low voltages and rough service installation.

Rough Service

A range of conventional shaped main voltage lamps designed for use where high vibration or physical shock are more common.

Oven

A family of "pygmy" shaped lamps intended for use in high temperature ovens.



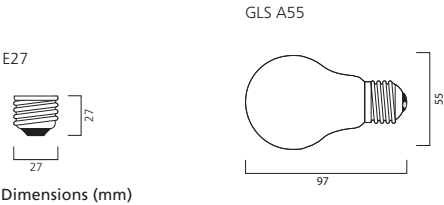


- Standard 'A' shaped incandescent lamp with a clear outer bulb
- Clear sparkling light
- Easy to operate
- Excellent colour reproduction
- Commercial and domestic lighting applications



GLS Clear A55

Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Luminous Flux (lm)	Packing Qty
0004447	A55 Clear 60W 230V E27	60	230	E27	Clear	710	10
0004448	A55 Clear 75W 230V E27	75	230	E27	Clear	1200	10
0004446	A55 Satin 40W 230V E27	40	230	E27	Clear	415	10
0004450	A55 Clear 40W 230V E27	40	230	E27	Clear	415	10
0004451	A55 Satin 60W 230V E27	60	230	E27	Clear	710	10
0004452	A55 Satin 75W 230V E27	75	230	E27	Clear	1200	10



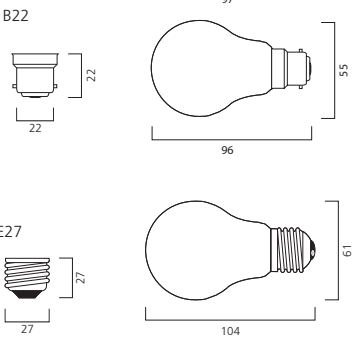


- “A” shaped incandescent lamp for operating on low voltage circuits
- Clear outer bulb
- Suitable for operation on low voltage circuits (24-25V)
- Extended lifetime of 2500 hours for 25W and 40W versions
- 1000 hour lifetime for 60W and 100W versions
- Suitable for emergency lighting, machines, signs and signal panels



GLS

Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Luminous Flux (lm)	Packing Qty
GLS Extra Low Voltage Clear							
0009668	25W 24-25V E27 Clear	25	24-25	E27	Clear	380	100
0009696	40W 24-25V E27 Clear	40	24-25	E27	Clear	600	100
0009694	40W 24-25V B22 Clear	40	24-25	B22	Clear	600	100
0009728	60W 24-25V E27 Clear	60	24-25	E27	Clear	960	100
0009780	100W 24-25V E27 Clear	100	24-25	E27	Clear	1800	100



Dimensions (mm)

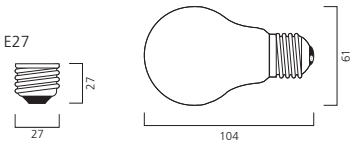


- Extra durable lamp resistant to vibrations
- Ideal for use in industrial and working environments like garages etc.
- Available in pearl finish outer bulb
- Extended 1500 hour service life
- Not suitable for household room illumination
- Intended for use in rough service applications



GLS

Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Luminous Flux (lm)	Packing Qty
GLS Rough Service							
0029345	Rough Serv 25W 230V Pearl	25	240	E27	Pearl	170	100
0029364	Rough Serv 40W 240V Pearl	40	240	E27	Pearl	285	100
0029385	Rough Serv 60W 240V Pearl	60	240	E27	Pearl	560	100
0029405	Rough Serv 100W 240V Pearl	100	240	E27	Pearl	1110	100





- Candle shaped incandescent lamps
- Lamps have a crystal clear envelope for added sparkle
- Unbeatable colour rendering, Ra=100
- Commercial and domestic decorative lighting applications



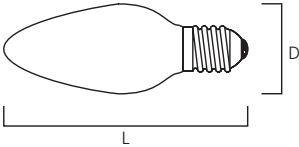
Candle

Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Luminous Flux (lm)	Packing Qty
0004454	Candle Clear 40W E14	40	230	E14	Clear	415	10
0004455	Candle Clear 60W E14	60	230	E14	Clear	700	10
0004457	Candle Satin 40W E14	40	230	E14	Clear	415	10
0004458	Candle Satin 60W E14	60	230	E27	Clear	700	10
0004460	Candle Clear 40W E27	40	230	E27	Clear	415	10
0004461	Candle Clear 60W E27	60	230	E27	Clear	700	10
0004463	Candle Satin 40W E27	40	230	E27	Clear	415	10
0004464	Candle Satin 60W E27	60	230	E27	Clear	700	10

E14	40W	60W
L	97	97
D	35	35
E27	40W	60W
L	92	92
D	35	35



Dimensions (mm)





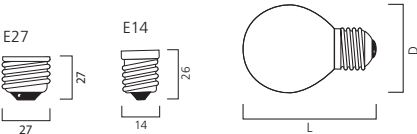
- Round lamp envelope
- Clear finish for sparking crystal clear light
- E14 and E27 cap
- Suitable for commercial and domestic decorative lighting



Ball

Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Luminous Flux (lm)	Packing Qty
0004466	Ball Clear 40W E14	25	230	E14	Clear	415	10
0004467	Ball Clear 60W E14	60	230	E14	Clear	700	10
0004469	Ball Satin 40W E14	40	230	E14	Clear	415	10
0004470	Ball Satin 60W E14	60	230	E14	Clear	700	10
0004472	Ball Clear 40W E27	40	230	E27	Clear	415	10
0004473	Ball Clear 60W E27	60	230	E27	Clear	700	10
0004474	Ball Satin 60W E27	60	230	E27	Clear	700	10
0004475	Ball Satin 40W E27	40	230	E27	Clear	415	10

E14	40W	60W
L	73	73
D	45	45
E27	40W	60W
L	71	71
D	45	45



Dimensions (mm)



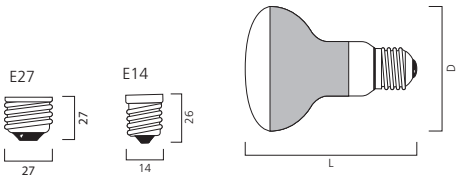
- Blown glass reflector lamps
- Pearl crown and integral aluminium reflector
- Available in 6 diameters
- Ideal for accent lighting in commercial and domestic applications
- Suitable for shop windows, displays, discos and clubs as well as in the home
- For use in track or surface mounted spotlights or in recessed downlights



Reflector

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Luminous Intensity (cd)	Packing Qty
Reflector Standard R39 39mm"							
0015908	30W 240V R39 Pearl	30	240	40	E14	120	100
Reflector Standard R50 50mm"							
0015535	25W 240V R50 Pearl	25	240	35	E14	175	100
Reflector Standard R50 50mmØ							
0015537	40W 240V R50 Pearl	40	240	35	E14	325	100
Reflector Standard R63 63mm"							
0015550	40W 240V R63 Pearl	40	240	35	E27	325	100
Reflector Standard R63 63mmØ							
0015560	60W 240V R63 Pearl	60	240	35	E27	560	100
Reflector Standard R80 80mm"							
0015570	40W 240V R80 Pearl	40	240	80	E27	160	100
Reflector Standard R80 80mmØ							
0015580	60W 240V R80 Pearl	60	240	80	E27	260	100
0015584	75W 240V R80 Pearl	75	240	80	E27	345	100
0015585	100W 240V R80 Pearl	100	240	80	E27	500	100
Reflector Standard R95 95mm"							
0015600	75W 240V R95 Pearl	75	240	35	E27	750	20
Reflector Standard R95 95mmØ							
0015620	100W 240V R95 Pearl	100	240	35	E27	1060	20

E14	R39	R50	
L	65	85	
D	39	50	
E27	R63	R80	R95
L	103	110	132
D	63	80	95



Dimensions (mm)



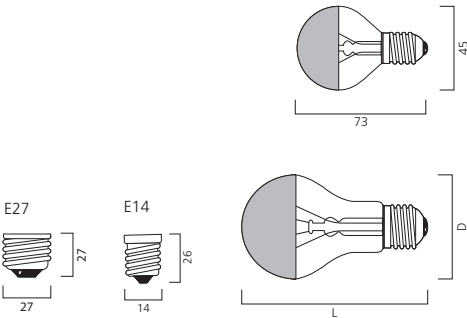
- GLS or round shaped incandescent lamps
- Silvered or gold crown and clear finish envelope
- Delivers an extremely well controlled beam with practically zero glare
- E14 or E27 cap
- Not suitable for household room illumination
- Intended for mirror lighting



Crown

Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Luminous Flux (lm)	Packing Qty
Crown Silvered							
0017743	Ball 25W 240V E14 Clear	25	240	E14	Clear	185	100
0017744	Ball 40W 240V E14 Clear	40	240	E14	Clear	360	100
0017739	GLS 40W 240V E27 Clear	40	240	E27	Clear	360	100
0017740	GLS 60W 240V E27 Clear	60	240	E27	Clear	620	100
0017741	GLS 75W 240V E27 Clear	75	240	E27	Clear	800	100
0017742	GLS 100W 240V E27 Clear	100	240	E27	Clear	1170	100
Crown Gold							
0017870	Ball 25W 240V E14	25	240	E14	Clear	185	100
0017871	Ball 40W 240V E14	40	240	E14	Clear	360	100

E27	40W	60W	75W	100W
L	104	104	104	128
D	60	60	60	65



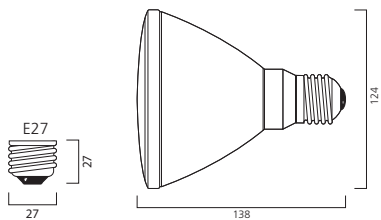


- Incandescent PAR lamps made from heat-resistant borosilicate glass
- Cool Beam version with integral dichroic reflector
- Pressed glass reflector delivers significantly improved efficiency over blown reflector types
- Suitable for exterior lighting
- Weather-resistant



PAR38

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	Crown Finish	Packing Qty
0019691	60W/FL/30° PAR38 Clear	60	230-240	30	E27	Clear	10
0019710	80W/SP/12° PAR38 Clear	80	230-240	12	E27	Clear	10
0019711	80W/FL/30° PAR38 Clear	80	230-240	30	E27	Clear	10
0019720	120W/SP/12° PAR38 Clear	120	230-240	12	E27	Clear	10
0019721	120W/FL/30° PAR38 Clear	120	230-240	30	E27	Clear	10



Dimensions (mm)

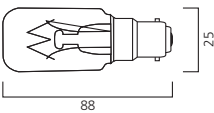
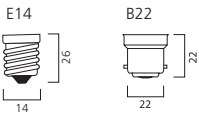
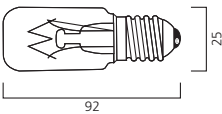


- Krypton gas filling offering more light versus standard clear lamps
- E14 or B22 cap
- Not suitable for household room illumination
- Intended for use in special applications including ovens and refrigerators



Tubular Clear

Code	Description	Watt (W)	Volt (V)	Cap	Crown Finish	Luminous Intensity (cd)	Packing Qty
0007352	25W 230V E14 Clear	25	230	E14	Clear	230	100
0007360	40W 230V E14 Clear	40	230	E14	Clear	415	100
0007362	40W 230V B22 Clear	40	230	B22	Clear	415	100



Dimensions (mm)



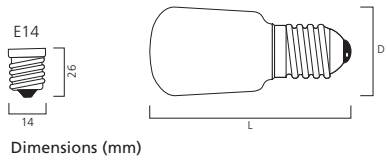
- Small compact incandescent lamps, high temperature resistant
- Clear or pearl finish
- E14 cap
- Not suitable for household room illumination
- Intended for use in special applications including ovens, refrigerators and other household appliances



Pygmy

Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Luminous Flux (lm)	Packing Qty
Pygmy Special Application							
0008100	15W 240V E14 Clear	15	240	E14	Clear	100	100
0008120	25W 240V E14 Clear	25	240	E14	Clear	225	100
Pygmy Oven till 300°C							
0008072	15W 240V E14 22mm Ø Oven	15	240	E14	Clear	80	100
Pygmy Refrigerator							
0007339	15W 230V E14 Clear	15	230	E14	Clear	85	100

Pygmy	15W	25W
L	63	63
D	28	28
Pygmy Oven	15W	
L	63	
D	28	
Pygmy Refrigerator	15W	
L	55	
D	25	





- Double-ended linear incandescent lamps
- Clear or opal finish
- Available in three lengths – 221mm, 284mm and 310mm
- S15s and S19 cap
- Bathroom, bedroom and kitchen luminaires. Cupboard lighting and over mirrors



Striplights

Code	Description	Watt (W)	Volt (V)	Cap	Length (mm)	Lamp Finish	Luminous Flux (lm)	Packing Qty
9007550	30W 240-250V S15s Clear	30	240-250	S15s	221	Clear	270	50
9007597	60W 240-250V S15s Clear	60	240-250	S15s	284	Clear	500	25
9007565	40W 220-235V S19 Frosted	40	230	S19	310	Frosted	335	25
9007590	60W 220-235V S19 Frosted	60	230	S19	310	Frosted	530	25
9007607	75W 220-235V S19 Frosted	75	230	S19	310	Frosted	680	25

S15s	30W	60W	
L	221	284	
D	25	25	
S19	40W	60W	75W
L	310	310	310
D	38	38	38



Dimensions (mm)



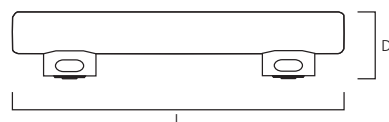
- Double-ended linear incandescent lamps
- Opal finish
- Available in three lengths – 300mm, 500mm and 999mm
- S14d and S14s cap
- Bathroom, bedroom and kitchen luminaires. Cupboard lighting and over mirrors



Linear Architectural

Code	Description	Watt (W)	Volt (V)	Cap	Lamp Finish	Luminous Flux (lm)	Packing Qty
0007433	35W 220-235V S14d Opal	35	230-240	S14d	Opal	270	25
0007435	35W 220-235V S14s Opal	35	230-240	S14s	Opal	270	25
0007448	60W 220-235V S14d Opal	60	230-240	S14d	Opal	420	25
0007450	60W 220-235V S14s Opal	60	230-240	S14s	Opal	420	25
0007463	120W 220-235V S14s Opal	120	230-240	S14s	Opal	840	16

S14d	35W	60W	120W
L	221	284	-
D	25	25	-
S14s	35W	60W	120W
L	300	500	999
D	26	26	26



Dimensions (mm)



SPECIAL APPLICATIONS

- X Photo Optic
- X Petcare
- X Food Display
- X SAD
- X Infra Red
- X Blacklight
- X Germicidal
- X Bodycare



Special Application Lamps

Sylvania offers a comprehensive range of lamps to meet a diverse range of specialist applications.

Photo Optic

Sylvania offers a wide and competitive range of lamps specifically designed for photo and projection applications.

Used by photographers and in film and slide projectors; photo labs and mini-labs are also an important application. The market for studio, stage, theatre and disco is rapidly growing with demand now shifting towards high pressure metal halide lamps. BriteArc is the ideal solution for these applications. With a small arc gap, it is ideal to optimally concentrate the light and produce a strong beam.

Petcare

If you need to replace natural light – whether for plants, aquariums or terrariums – Sylvania has an extensive collection of lighting solutions available for you. For example, Sylvania's GROLUX is a world leader in plant illumination. Proper light and UV-radiation is very important for fish and reptiles. Our lighting engineers have developed lamps with specific light spectra for the most diverse uses. Either independently or in combination, Sylvania Aquarium and Terrarium lamps deliver the best results for complex biological requirements. Whether for plants, fish, corals, reptiles, or the entire biotope of aquariums and terrariums - with Sylvania you'll find the appropriate lighting.

Insect Trapping and Disinfection

Flying insects such as the common house fly, wasps, midges etc. carry up to 4 million pathogenic bacteria. Their presence is totally unacceptable in areas where hygiene is paramount. Sylvania offer a wide range of UV-A lamps in various lengths and diameters to attract these insects. Sylvania lamps are utilised in many brands of insect traps. Micro-organisms such as bacteria, moulds, yeasts etc can be destroyed or removed by physical, biological, and chemical methods. UV-C radiation destroys or inactivates the micro organism so that it can no longer multiply. Our extensive range of germicidal and blacklight lamps are ideal for generating the right sterilising effect.





Features

- Transparent lens in real natural coloured glass
- Pure, saturated beam colours without the usual rainbow-effect halo
- Four colours available: red, yellow, green and blue
- Unique, patented, computer designed spiral facettted aluminised reflector
- Available in medium flood version: 25°

Applications

- To bring a touch of colour in a wide range of applications
- Architectural features
- Discos and clubs
- Decorative lighting

Directions for use

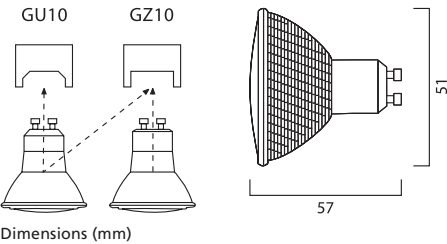
- For use in mains voltage fixtures with GU10 base
- Universal burning
- Suitable for exterior use in conjunction with waterproof fixtures
- Can be dimmed using standard dimming switches



Hi-Spot ES50 GU10 Coloured

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Luminous Intensity (cd)	Colour	Cap	Average Rated Life (Hrs)	Packing Qty
0021270	Hi-Spot ES50 50W Blue 240V	50	240	25	30	Blue	GU10	2500	10
0021271	Hi-Spot ES50 50W Green 240V	50	240	25	130	Green	GU10	2500	10
0021272	Hi-Spot ES50 50W Red 240V	50	240	25	225	Red	GU10	2500	10
0021273	Hi-Spot ES50 50W Yellow 240V	50	240	25	550	Yellow	GU10	2500	10

25°					
443mmØ	1m	30lx	130lx	225lx	550lx
887mmØ	2m	8lx	33lx	56lx	138lx
1330mmØ	3m	3lx	14lx	25lx	61lx
1774mmØ	4m	2lx	8lx	14lx	34lx





240V 80W Green



240V 80W Yellow



240V 80W Blue



240V 80W Red

Features

- Parabolic-shaped reflector made from hard glass
- Coloured front lens
- Choice of four colours: Blue, Green Red, and Yellow



Applications

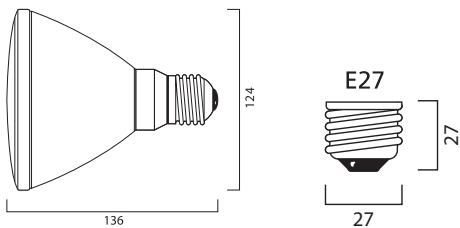
- Mainly used in commercial accent lighting
- To create special effects in bars, clubs and discos and in shop window displays

Directions for use

- For use in mains voltage fixtures with E27 base
- Universal burning
- E27 cap
- Can be dimmed using standard dimming switch

PAR 38 Coloured

Code	Description	Watt (W)	Volt (V)	Cap	Packing Qty
0019650	80W/FL30° PAR38 blue	80	24	E27	10
0019651	80W/FL30° PAR38 green	80	240	E27	10
0019652	80W/FL30° PAR38 red	80	240	E27	10
0019653	80W/FL30° PAR38 yellow	80	240	E27	10



Dimensions (mm)



F18 Red 18W



F18 Yellow 18W



F18 Green 18W



F18 Blue 18W



F18 Pink 18W

	G13	18W	36W	58W
L		590	1200	1500
D		26	26	26

Features

- High quality fluorescent tubes
- Long life
- Available in five colours: Blue, Green, Red, Pink and Yellow

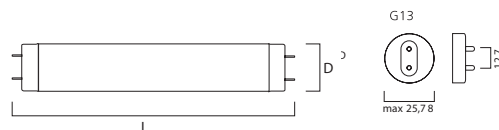
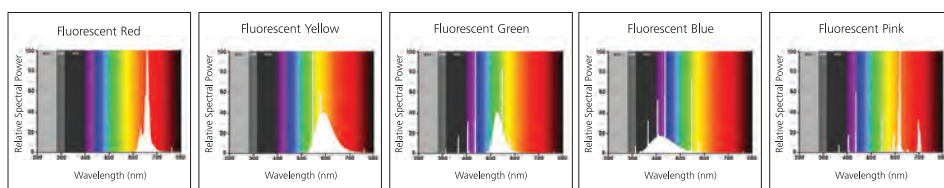
Applications

- To create special lighting effects in shop windows, bars, fairground attractions, dance halls and discotheques

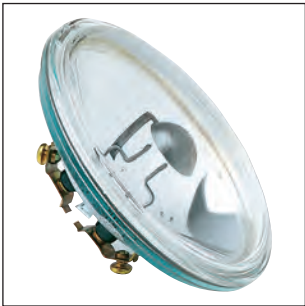


T8 Coloured

Code	Description	Watt (W)	Colour	Cap	Luminous Flux (lm)	Packing Qty
0002572	F18W/T8/R	18	Red	G13	30	25
0002573	F36W/T8/R	36	Red	G13	70	25
0002574	F58W/T8/R	58	Red	G13	100	25
0002561	F18W/T8/Y	18	Yellow	G13	750	25
0002565	F36W/T8/Y	36	Yellow	G13	1550	25
0002569	F58W/T8/Y	58	Yellow	G13	2500	25
0002562	F18W/T8/G	18	Green	G13	1200	25
0002566	F36W/T8/G	36	Green	G13	2800	25
0002570	F58W/T8/G	58	Green	G13	4000	25
0002563	F18W/T8/B	18	Blue	G13	300	25
0002567	F36W/T8/B	36	Blue	G13	700	25
0002571	F58W/T8/B	58	Blue	G13	1000	25
0002560	F18W/T8/P	18	Pink	G13	750	25
0002564	F36W/T8/P	36	Pink	G13	1700	25
0002568	F58W/T8/P	58	Pink	G13	2600	25



Dimensions (mm)



PAR 36

Features

- Pressed glass reflector lamps
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Economical light source for effects
- Halogen version delivers maintained beam intensity throughout life

Applications

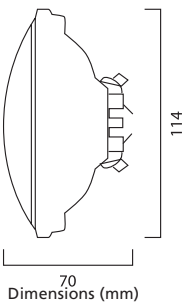
- Entertainment and Architectural applications
- Displays
- Museums
- Exhibitions
- Gardens
- Discos

Directions for use

- Easy handling
- Can be used with very economical fixtures (PAR cans)

PAR 36

Code	Description	ANSI	Watt (W)	Volt (V)	Beam	Approx Beam Spread 10% Peak CD (°)	Base	Peak Intensity (cd)	Colour Temp (K)	Average Rated Life (Hrs)	Burning Position	Packing Qty
0060500	PAR 36 6,4V 30W Disco	H4515	30	6.4	Very Narrow Spot	5x5	Screw Terminal	55000	3200	200	Any	12
9020167	PAR 36 12,8V 30W	H4405	30	12.8	Very Narrow Spot	6x5	Screw Terminal	50000	3200	100	Any	12
0060508	PAR 36 12V 50W VNSP	-	50	12	Very Narrow Spot	6x6	Screw Terminal	19000	3000	2000	Any	12
0060503	PAR 36 120V 650W	DWE	650	120	Medium Flood	40x30	Screw Terminal	24000	3200	100	H15	12





PAR 36 12V 100W

Features

- Pressed glass reflector lamps
- Beam patterns : from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Instant replaceability without the need to re-focus and re-aim fixtures



Applications

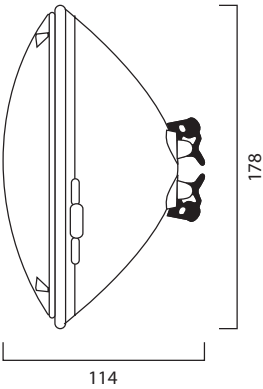
- Theatre lighting
- TV and studio
- Entertainment and Architectural applications
- Displays
- Museums
- Churches
- Towers
- Exhibitions
- Gardens
- Discos

Directions for use

- Easy handling
- Can be used with very economical fixtures (PAR cans)

PAR 56 Low Voltage

Code	Description	ANSI	Watt (W)	Volt (V)	Beam	Approx Beam Spread 10% Peak CD (°)	Base	Peak Intensity (cd)	Colour Temp (K)	Average Rated Life (Hrs)	Burning Position	Packing Qty
0060509	PAR 56 12V 100W	H4545	100	12	Spot	9x5	Screw Terminal	225000	3200	100	Any	12



Dimensions (mm)



PAR56 300W NSP



PAR56 300W MFL



PAR56 300W WFL

Features

- Pressed glass reflector lamps
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Instant replaceability without the need to re-focus and re-aim fixtures

Applications

- Theatre lighting
- TV and studio
- Entertainment and Architectural applications
- Displays
- Museums
- Churches
- Towers
- Exhibitions
- Gardens
- Discos

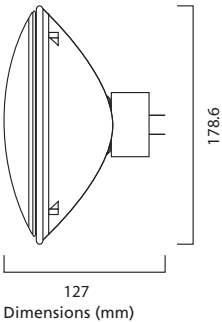
Directions for use

- Easy handling
- Can be used with very economical fixtures (PAR cans)



PAR 56 Mains Voltage

Code	Description	Watt (W)	Volt (V)	Beam Type	Approx Beam Spread10% Peak CD	Approx Beam Spread 50% Peak CD	Base	Peak Intensity (cd)	Colour Temp (K)	Average Rated Life (Hrs)	Burning Position	Packing Qty
0060513	PAR 56 300W NSP 240V	300	240	Narrow Spot	20°x14°	10°x8°	GX16d	70000	2750	2000	Any	12
0060514	PAR 56 300W MFL 240V	300	240	Medium Flood	34°x19°	23°x11°	GX16d	30000	2750	2000	Any	12
0060515	PAR 56 300W WFL 240V	300	240	Wide Flood	57°x27°	37°x18°	GX16d	10000	2750	2000	Any	12





PAR56 12V 300 Swimming Pool

Features

- Low voltage (12V) for safety reasons
- Heat resistant glass
- Sturdily constructed lamp absorbs mechanical shocks
- Wide beam



Applications

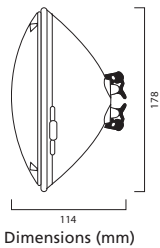
- Swimming Pools
- Fountains

Directions for use

- High running current (25A)

PAR 56 12V Swimming Pool

Code	Description	Watt (W)	Volt (V)	Approx Beam Spread Hor. x Vert Degrees	Base	Peak Intensity (cd)	Colour Temp (K)	Average Rated Life (Hrs)	Burning Position	Packing Qty
9061532	PAR 56 12V 300W Swimming Pool	300	12	50 x 25	Screw	12000	2850	100	S45	12





Remote Control

Receiver

Features

- Choice between RGB or fixed white version
- High power LED retrofit for incandescent PAR lamps
- Produces full spectrum of rich colours or white (multi colours)
- Sylvania patent pending colour control technology
- Simple on/off switching sets colour changing or fixed mode (can be achieved by using a standard switch)
- Optional Sylvania remote control and receiver available
- Identical shape to incandescent PAR56 = easy retrofit
- Unique sealing method guarantees IP68 water-tightness
- Die cast aluminium housing cools LEDs for high output
- Chlorine-resistant materials permits use in swimming pools
- Long lamp lifetime > 25.000 hours
- Low heat generation

Applications

- All retrofit PAR56 underwater
- Swimming Pools
- Fountains

Directions for use

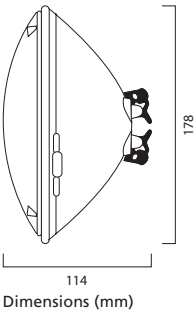
- Only for use with magnetic (no electronic) transformer
- For adequate cooling, lamp must be operated under water



PAR 56 12V LED Swimming Pool

Code	Description	Watt (W)	Volt (V)	Current (A)	Peak Intensity (Hz)	Base	Average Rated Life (Hrs)	Packing Qty
0060527	PAR56 LED LAMP RGB + Multicolour (18 LED)	25	12	-	-	Screw lugs	25000	-
0060528	PAR56 LED LAMP White (12 LED)	20	12	-	-	Screw lugs	25000	-
0060523	PAR 56 LED Receiver	max. 250	100/250	max. 1A	50/60	Screw Terminals	-	6
0060522	PAR 56 LED Remote Control	-	12V Battery	-	-	-	-	6

The Sylvania PAR56 LED represents a top class professional development for underwater illumination of swimming pools, fountains etc. By combining high power LEDs of red, green and blue or fixed white colour, together with an internal microprocessor, it is capable of generating the full spectrum of colours. The lamp can be operated in a mode of continuous colour changing, or fixed at any desired colour by briefly switching off and back on again. This is facilitated by the optional Sylvania remote control and receiver.





PAR64 CP601000W NSP



PAR64 CP61 1000W SP



PAR64 CP62 1000W MFL

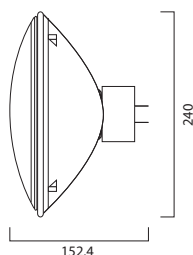
Features

- Pressed glass reflector lamps
- Extremely powerful beam
- Halogen inner capsule, for 100% lumen maintenance through life
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Instant replaceability without the need to re-focus and re-aim fixtures
- Double internal fused for end of life safety



Applications

- Theatre lighting
- TV and studio
- Entertainment and Architectural applications
- Displays
- Museums
- Churches
- Towers
- Exhibitions
- Gardens
- Discos



Dimensions (mm)

PAR 64 Mains Voltage

Code	Description	ANSI	LIF	Watt (W)	Volt (V)	Beam Type	Approx Beam Spread 10% Peak CD	Approx Beam Spread 50% Peak CD	Base	Peak Intensity (cd)	Colour Temp (K)	Average Rated Life (Hrs)	Burning Position	Packing Qty
9061146	PAR 64 CP86 240V 500W VNSP	-	CP86	500	240	Very Narrow Spot	16x13	10x7	Gx16d	240000	3200	300	Any	6
9061147	PAR 64 CP87 240V 500W NSP	-	CP87	500	240	Narrow Spot	19x16	11x9	Gx16d	140000	3200	300	Any	6
9061148	PAR 64 CP88 240V 500W MFL	-	CP88	500	240	Medium Flood	32x19	21x10	Gx16d	65000	3200	300	Any	6
9061109	PAR 64 CP60 240V 1000W NSP	EXC	CP60	1000	240	Narrow Spot	20x17	12x6	Gx16d	400000	3200	300	Any	6
9061127	PAR 64 CP61 240V 1000W SP	EXD	CP61	1000	240	Spot	23x20	14x7	Gx16d	275000	3200	300	Any	6
9061128	PAR 64 CP62 240V 1000W MFL	EXE	CP62	1000	240	Medium Flood	39x24	28x12	Gx16d	130000	3200	300	Any	6
9061129	PAR 64 CP95 240V 1000W XWFL	EXG	CP95	1000	240	Extra Wide Flood	125x95	70x70	Gx16d	15000	3200	300	Any	6



Packaging Note: The sleeve pictured is for the retail product

Features

- High level of blue and red radiation helps promote healthy plant growth
- Strengthens the natural colours of aquatic plants and fish in aquariums
- Promotes the process of photo synthesis in plants
- Oldest, but most optimal light colour for plants and aquaria
- T5 - FHO: high output and lumen per watt in comparison to T8 versions
- New T5 $\ell 8$: 50% more light output in comparison to the same length in T8. Ideal for the new generation of aquaria with T5 lamps, but in the length of T8 lamps. The ideal fit of the lamps in the aquarium results in a perfect illumination of the aquarium



universal

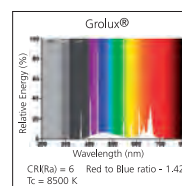
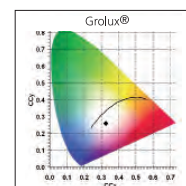


Applications

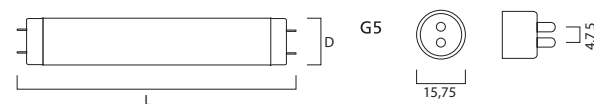
- For lighting of fresh water aquariums
- Complete or additional artificial lighting of plants
- Recommended also for use in greenhouses, indoor gardens, flower

Grolux T5

Code	Description	Watt (W)	Colour	Cap	Diameter	Packing Qty
0000026	F8W/GRO	8	GroLux	G5	T5	25
0002740	FHO24W/GRO	24	GroLux	G5	T5	25
0002743	FHO39W/GRO	39	GroLux	G5	T5	25
0002746	FHO54W/GRO	54	GroLux	G5	T5	25
0002749	FHO80W/GRO	80	GroLux	G5	T5	25
0000728	FHO24W/GRO Retail	24	GroLux	G5	T5	10
0000729	FHO39W/GRO Retail	39	GroLux	G5	T5	10
0000730	FHO54W/GRO Retail	54	GroLux	G5	T5	10
0002821	F24W T5 $\ell 8$ Gro-Lux Retail	24	GroLux	G5	T5	10
0002823	F28W T5 $\ell 8$ Gro-Lux Retail	28	GroLux	G5	T5	10
0002825	F35W T5 $\ell 8$ Gro-Lux Retail	35	GroLux	G5	T5	10
0002827	F45W T5 $\ell 8$ Gro-Lux Retail	45	GroLux	G5	T5	10
0002829	F54W T5 $\ell 8$ Gro-Lux Retail	54	GroLux	G5	T5	10
0002831	F54W T5 $\ell 8$ Gro-Lux Retail	54	GroLux	G5	T5	10



T5 Standard	8W	24W	39W	54W	80W
L	288	549	849	1149	1449
D	16	16	16	16	16
T5 $\ell 8$	24W	28W	35W	45W	54W
L	438	590	742	895	1047
D	16	16	16	16	16



Dimensions (mm)



Packaging Note: The sleeve pictured is for the retail product

Features

- High level of blue and red radiation helps promote healthy plant growth
- Strengthens the natural colours of aquatic plants and fish in aquariums
- Promotes the process of photo-synthesis in plants
- Oldest, but most optimal light colour for plants and aquaria



universal

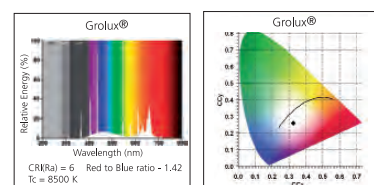


Applications

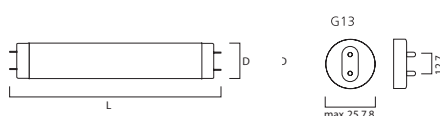
- For lighting of fresh water aquariums
- Complete or additional artificial lighting of plants
- Recommended for use in greenhouses, indoor gardens, flower shows and conservatories

GroLux T8/Minilyn

Code	Description	Watt (W)	Colour	Cap	Diameter	Packing Qty
0000043	F14W/GRO	14	Gro-Lux	G13	T8	25
0000069	F15W/GRO	15	Gro-Lux	G13	T8	25
0001523	F18W/GRO	18	Gro-Lux	G13	T8	25
0001679	F25W/30"/GRO	25	Gro-Lux	G13	T8	25
0000150	F30W/GRO	30	Gro-Lux	G13	T8	25
0001524	F36W/GRO	36	Gro-Lux	G13	T8	25
0002213	F38W/GRO	38	Gro-Lux	G13	T8	25
0001525	F58W/GRO	58	Gro-Lux	G13	T8	25
0000707	F14W/GRO Retail	14	Gro-Lux	G13	T8	10
0000708	F15W/GRO Retail	15	Gro-Lux	G13	T8	10
0000709	F18W/GRO Retail	18	Gro-Lux	G13	T8	10
0000710	F25W/30"/GRO Retail	25	Gro-Lux	G13	T8	10
0000711	F30W/GRO Retail	30	Gro-Lux	G13	T8	10
0000712	F36W/GRO Retail	36	Gro-Lux	G13	T8	10
0000713	F38W/GRO Retail	38	Gro-Lux	G13	T8	10
0000714	F58W/GRO Retail	58	Gro-Lux	G13	T8	10



T8	14W	15W	18W	25W
L	361	438	590	742
D	26	26	26	26
T8	30W	36W	38W	58W
L	895	1200	1047	1500
D	26	26	26	26



Dimensions (mm)



Packaging Note: The sleeve pictured is for the retail product

Features

- Light colour: 10000 Kelvin (simulating the tropical light spectrum)
- Promotes the growth of coral and aquatic plants through natural red and blue sections of the light spectrum
- Excellent lighting performance
- T5 - FHO: high output and lumen per watt in comparison to T8 versions
- New T5 $\ell 8$: 50% more light output in comparison to the same length in T8. Ideal for the new generation of aquaria with T5 lamps, but in the length of T8 lamps. The ideal fit of the lamps in the aquarium results in a perfect illumination of the aquarium



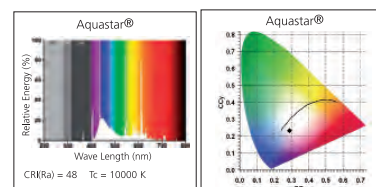
Applications

- For all biological organisms in fresh and marine water aquariums
- Excellent results in combination with Daylightstar

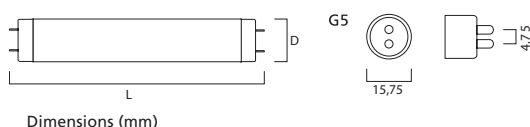
Aquastar T5

Code	Description	Watt (W)	Colour Temp (K)	Light Output (lm)	Cap	Diameter	Packing Qty
0002741	FHO24W/Aquastar	24	10000	1120	G5	T5	25
0002744	FHO39W/Aquastar	39	10000	1960	G5	T5	25
0002747	FHO54W/Aquastar	54	10000	2800	G5	T5	25
0002750	FHO80W/Aquastar	80	10000	3500	G5	T5	25
0002752	FHO24W/Aquastar Retail	24	10000	1120	G5	T5	10
0002753	FHO39W/Aquastar Retail	39	10000	1960	G5	T5	10
0002754	FHO54W/Aquastar Retail	54	10000	2800	G5	T5	10
0002820	F24W T5 $\ell 8$ Aquastar Retail	24	10000	900	G5	T5	10
0002822	F28W T5 $\ell 8$ Aquastar Retail	28	10000	1200	G5	T5	10
0002824	F35W T5 $\ell 8$ Aquastar Retail	35	10000	1700	G5	T5	10
0002826	F45W T5 $\ell 8$ Aquastar Retail	45	10000	2100	G5	T5	10
0002828	F54W T5 $\ell 8$ Aquastar Retail	54	10000	2500	G5	T5	10
0002830	F54W T5 $\ell 8$ Aquastar Retail	54	10000	2900	G5	T5	10

Packing Note: The sleeve pictured is for retail sales



T5 Standard	24W	39W	54W	80W		
L	549	849	1149	1449		
D	16	16	16	16		
T5 $\ell 8$	24W	28W	35W	45W	54W	54W
L	438	590	742	895	1047	1200
D	16	16	16	16	16	16



Dimensions (mm)



Packaging Note: The sleeve pictured is for the retail product

Features

- Light colour: 10000 Kelvin (simulating the tropical light spectrum)
- Promotes the growth of coral and aquatic plants through natural red and blue sections of the light spectrum
- Excellent lighting performance

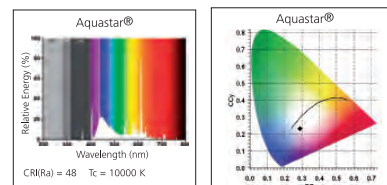


Applications

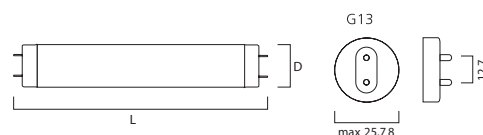
- For all biological organisms in fresh and marine water aquariums

Aquastar T8

Code	Description	Watt (W)	Colour Temp (K)	Light Output (lm)	Cap	Diameter	Packing Qty
0002212	F14W/Aquastar	14	10000	525	G13	T8	25
0002224	F15W/Aquastar	15	10000	650	G13	T8	25
0002221	F18W/Aquastar	18	10000	900	G13	T8	25
0002226	F25W/30"/Aquastar	25	10000	1500	G13	T8	25
0002225	F30W/Aquastar	30	10000	1700	G13	T8	25
0002222	F36W/Aquastar	36	10000	2200	G13	T8	25
0002185	F38W/Aquastar	38	10000	2100	G13	T8	25
0002223	F58W/Aquastar	58	10000	3550	G13	T8	25
0000727	F14W/Aquastar Retail	14	10000	525	G13	T8	10
0000643	F15W/Aquastar Retail	15	10000	650	G13	T8	10
0000644	F18W/Aquastar Retail	18	10000	900	G13	T8	10
0000645	F25W/30"/Aquastar Retail	25	10000	1500	G13	T8	10
0000646	F30W/Aquastar Retail	30	10000	1700	G13	T8	10
0000647	F36W/Aquastar Retail	36	10000	2200	G13	T8	10
0000648	F38W/Aquastar Retail	38	10000	2100	G13	T8	10
0000649	F58W/Aquastar Retail	58	10000	3550	G13	T8	10



T8	14W	15W	18W	25W
L	361	438	590	742
D	26	26	26	26
T8	30W	36W	38W	58W
L	895	1200	1047	1500
D	26	26	26	26



Dimensions (mm)



Packaging Note: The sleeve pictured is for the retail product

Features

- Reduces algae growth through a special UV-STOP protective sleeve
- Allows fish and plants to be seen in their true colours (high colour rendition)
- 5000K triphosphor lamp with a daylight character
- High colour rendition
- Long life

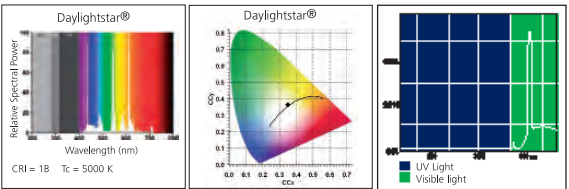


Applications

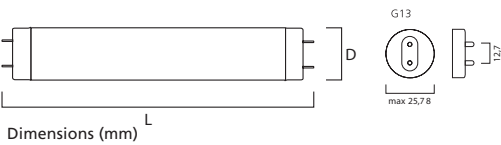
- For use in fresh water aquariums
- In combination with Grolux® it produces a well balanced and optimal aquarium life

Daylightstar T8

Code	Description	Watt (W)	Colour	Cap	Diameter	Packing Qty
0000715	F15W/Daylightstar Retail	15	Daylightstar	G13	T8	10
0000716	F18W/Daylightstar Retail	18	Daylightstar	G13	T8	10
0000717	F30W/Daylightstar Retail	30	Daylightstar	G13	T8	10
0000718	F36W/Daylightstar Retail	36	Daylightstar	G13	T8	10



T8	15W	18W	30W	36W
L	438	590	895	1200
D	26	26	26	26





Packaging Note: The sleeve pictured is for the retail product

Features

- Reproduces light conditions found at coral reefs through actinic blue light
- Promotes the growth of coral and invertebrates by supporting the growth of zooxanthellae
- See coral in its true colour(s)
- T5 - FHO: high output and lumen per watt in comparison to T8 versions
- New 5 l8: 50% more light output in comparison to the same length in T8. Ideal for the new generation of aquaria with T5 lamps, but in the length of T8 lamps. The ideal fit of the lamps in the aquarium results in a perfect illumination of the aquarium

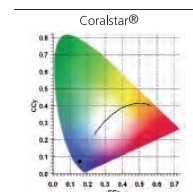
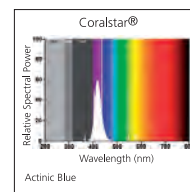


Applications

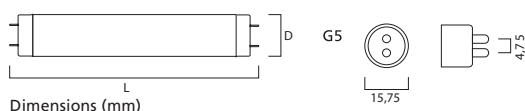
- Lighting to promote growth of coral and invertebrates in marine water aquariums

Coralstar T5

Code	Description	Watt (W)	Colour	Cap	Diameter	Packing Qty
0002742	FHO24W/Coralstar	24	Actinic	G5	T5	25
0002745	FHO39W/Coralstar	39	Actinic	G5	T5	25
0002748	FHO54W/Coralstar	54	Actinic	G5	T5	25
0002751	FHO80W/Coralstar	80	Actinic	G5	T5	25
0002755	FHO39W/Coralstar Retail	28	Actinic	G5	T5	10
0002756	FHO54W/Coralstar Retail	45	Actinic	G5	T5	10
0002757	F28W T5 ø8 Coralstar Retail	54	Actinic	G5	T5	10
0002758	F45W T5 ø8 Coralstar Retail	45	Actinic	G5	T5	10
0002759	F54W T5 ø8 Coralstar Retail	54	Actinic	G5	T5	10



T5 Standard	24W	39W	54W	80W
L	549	849	1149	1449
D	16	16	16	16
T5 ø8	24W	45W	54W	
L	590	895	1200	
D	16	16	16	





Packaging Note: The sleeve pictured is for the retail product

Features

- Reproduces light conditions found at coral reefs through actinic blue light
- Promotes the growth of coral and invertebrates by supporting the growth of zooxanthellae
- See coral in its true colour(s)

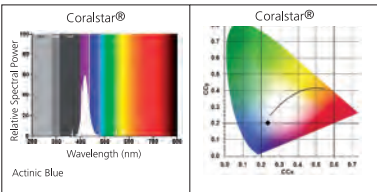


Applications

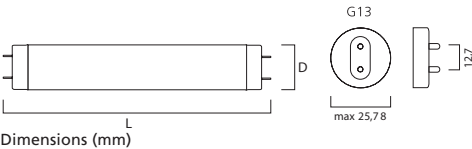
- Lighting to promote growth of coral and invertebrates in marine water aquariums

Coralstar T8

Code	Description	Watt (W)	Colour	Cap	Diameter	Packing Qty
0000719	F18W/Coralstar Retail	18	Actinic	G13	T8	10
0000725	F30W/Coralstar Retail	30	Actinic	G13	T8	10
0000726	F36W/Coralstar Retail	36	Actinic	G13	T8	10



T8	18W	30W	36W
L	590	895	1200
D	26	26	26





Packaging Note: The sleeve pictured is for the retail product

Features

- Ideal lamp for marine lighting.
- High colour rendering of the marine aquatic environment
- High colour temperature: 15000K
- Reproduces light conditions found at coral reefs through radiation in the 420-510 nm wavelength
- Promotes the growth of coral and invertebrates by supporting the growth of zooxanthellae
- Much bright light output than Coralstar and less blue



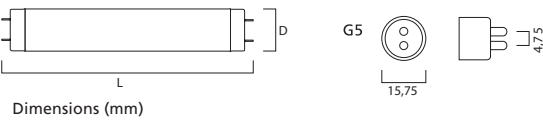
Applications

- Lighting of marine water aquaria

Marinestar T5 15000K

Code	Description	Watt (W)	Colour Temp (K)	Cap	Diameter	Packing Qty
0002720	FHO24W/Marinestar	24	15000	G5	T5	25
0002721	FHO39W/Marinestar	39	15000	G5	T5	25
0002722	FHO54W/Marinestar	54	15000	G5	T5	25
0002723	FHO80W/Marinestar	80	15000	G5	T5	25
0002725	F24W/Marinestar Retail	24	15000	G13	T5	10
0002726	F39W/Marinestar Retail	39	15000	G13	T5	10
0002727	F54W/Marinestar Retail	54	15000	G13	T5	10
0002728	F80W/Marinestar Retail	80	15000	G13	T5	10

T5 Standard	24W	39W	54W	80W
L	549	849	1149	1449
D	16	16	16	16





Packaging Note: The sleeve pictured is for the retail product

Features

- Promotes vitamin D3 production which aids good health, growth and the general well-being of reptiles in terrariums through a high content of UVB (up to 5%) and UVA (up to 30%)
- This full spectrum (6500 K) lamp improves the natural appearance of reptiles
- Shows reptiles in their true colours



Applications

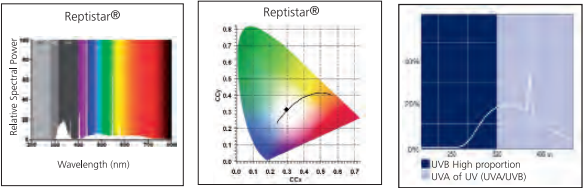
- For the artificial lighting of reptiles in terrariums

Directions for use

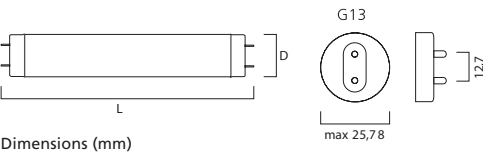
- This lamp emits UV-radiation. Avoid exposure to skin and eyes

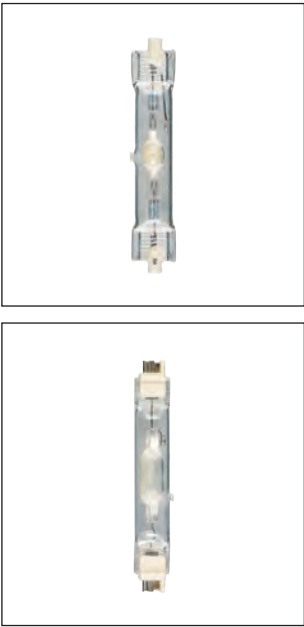
Reptistar T8

Code	Description	Watt (W)	Colour	Cap	Light Output (lm)	Diameter	Packing Qty
0000731	F15W/Reptistar UV-B 5% Retail	15	Reptistar	G13	300	T8	10
0000732	F18W/Reptistar UV-B 5% Retail	18	Reptistar	G13	450	T8	10
0000733	F30W/Reptistar UV-B 5% Retail	30	Reptistar	G13	700	T8	10
0000734	F36W/Reptistar UV-B 5% Retail	36	Reptistar	G13	1000	T8	10
000741	F15W/Reptistar UV-B 10% Retail	15	Reptistar	G13	300	T8	10
000742	F18W/Reptistar UV-B 10% Retail	18	Reptistar	G13	450	T8	10
000743	F30W/Reptistar UV-B 10% Retail	30	Reptistar	G13	700	T8	10
000744	F36W/Reptistar UV-B 10% Retail	36	Reptistar	G13	1000	T8	10



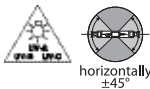
T8	15W	18W	30W	36W
L	361	438	895	1200
D	26	26	26	26





Features

- High light output and good efficiency
- High colour rendering
- Very high colour stability over the whole lamp life
- High colour temperature (10000 K)
- Point-source of light creates attractive shadow effect of water ripples on the aquarium bed



Applications

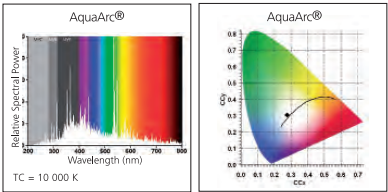
- For use in fresh and seawater aquaria
- Strong directional light which penetrates deep into large tanks
- Lifelike appearance of fish, corals and plants

Directions for use

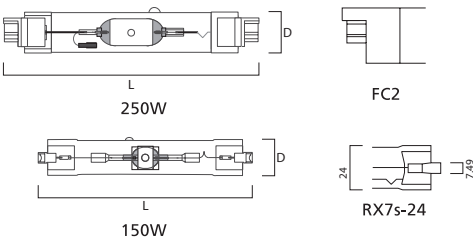
- Burning position: horizontal $\pm 45^\circ$
- External ignitor only
- Only use in luminaires fitted with protective cover glass
- Ensure the lamp envelope is cleaned of finger prints before use
- Lamps should be operated with the arc tube tip-off pointing up-see instructions supplied with lamp
- This lamp emits UV-radiation. Avoid exposure to skin and eyes
- Not suitable for household room illumination

Aqua arc

Code	Description	Watt (W)	Volt (V)	Current (A)	Cap	Bulb Finish	Colour Temp (K)	Chromaticity Coordinate x	Chromaticity Coordinate y	Light Output (lm)	Packing Qty
0021049	HSI-TD 150W AquaArc	150	100	1.80	RX7s	clear	10000	0.277	0.311	9000	10
0021050	HSI-TD 250W AquaArc	250	100	3.00	Fc2	clear	10000	0.275	0.323	14000	10



	150W	250W
L	135	162
D	25	28

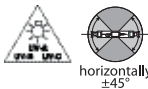


Dimensions (mm)



Features

- Very high colour temperature 20000K (bluish light)
- Very high colour stability over the entire lamp life
- Enhanced colour rendition
- Point-source of light creates attractive shadow effect of water ripples on the aquarium bed



Applications

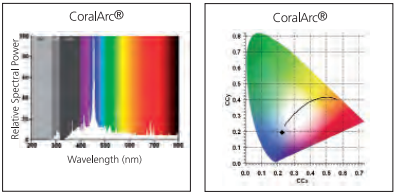
- For use in sea water aquaria
- Provides the specific spectrum (400-480 nm) necessary to achieve the blue chlorophyll absorption for zooxanthellae symbioses to develop

Directions for use

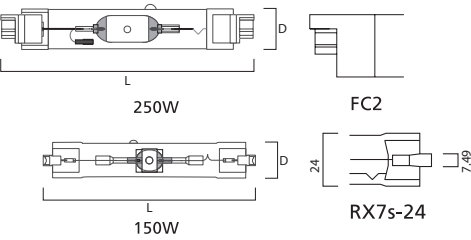
- Burning position: horizontal $\pm 45^\circ$
- External ignitor only
- Only use in luminaires fitted with protective cover glass
- Ensure the lamp envelope is cleaned of finger prints before use
- Lamps should be operated with the arc tube tip-off up - see instructions supplied with lamp
- This lamp emits UV-radiation. Avoid exposure to skin and eyes
- Not suitable for household room illumination

CoralArc

Code	Description	Watt (W)	Volt (V)	Current (A)	Cap	Bulb Finish	Colour	Chromaticity Coordinate x	Chromaticity Coordinate y	Light Output (lm)	Packing Qty
0021028	HSI-TD 150W CoralArc	150	100	1.80A	Rx7s	Clear	Blue	0.261	0.257	5400	10
0021029	HSI-TD 250W CoralArc	250	100	3.00A	FC2	Clear	Blue	0.257	0.243	8000	10



	150W	250W
L	135	162
D	25	28



Dimensions (mm)



Features

- Converts electric current into infrared radiation



Applications

- Provides the necessary infrared radiation for reptiles in terrariums and for other pets like hamsters, mice etc

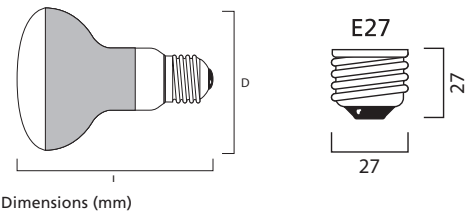
Directions for use

- Not suitable for household room illumination

Infrared Reflector

Code	Description	Watt (W)	Volt (V)	Type	Cap	Average Rated Life (Hrs)	Packing Qty
0033005	IR R63 50W	50	230	Infrared	E27	5000	10
0033006	IR R63 75W	75	230	Infrared	E27	5000	10
0033007	IR R80 100W	100	230	Infrared	E27	5000	10

	50W	75W	100W
L	103	103	110
D	63	63	80

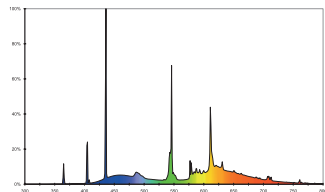
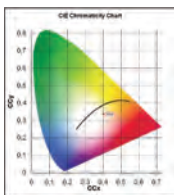




T8



T8



- Features a specially tailored spectrum that complements the natural colours of meats.
- Illuminates meat and charcuterie in their optimum colours for an irresistible presentation.
- The truthful colour rendering does not disturb the natural colours of the products
- Manufactured in compliance with the DIN 10504 standard
- Available in Toughcoat-version (shatter proof). The protective FEP coating meets the IEC600682-75 pendulum hammer test (5 Joule) and 4m drop test demonstrating excellent glass retention in the event of accidental lamp breakage.



foodstar Meat - Fluorescent

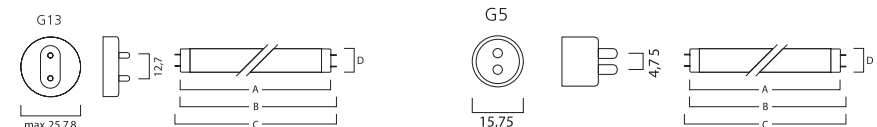
Code	Description	Watt (W)	Volt (V)	Current (mA)	Length (mm)	CRI	Cap	Colour Temp (K)	Luminous Flux (lm)	Packing Qty
0001854	FHE 14W T5 176 FoodStar Meat	14W	86V	0.165mA	549mm	2A	G5	3000K	650 lm	25
0001819	FHE 21W T5 176 FoodStar Meat	21W	126V	0.165mA	849mm	2A	G5	3000K	1050 lm	25
0001820	FHE 28W T5 176 FoodStar Meat	28W	166V	0.170mA	1449mm	2A	G5	3000K	1500 lm	25
0001821	FHE 35W T5 176 FoodStar Meat	35W	205V	0.175mA	1449mm	2A	G5	3000K	1850 lm	25
0001855	F18W T8 176 FoodStar Meat	18W	57V	0.370mA	590mm	2A	G13	3000K	700 lm	25
0001856	F30W T8 176 FoodStar Meat	30W	96V	0.365mA	895mm	2A	G13	3000K	1250 lm	25
0001816	F36W T8 176 FoodStar Meat	36W	103V	0.430mA	1200mm	2A	G13	3000K	1800 lm	25
0001817	F36W T8 1M 176 FoodStar Meat	36W	80V	0.560mA	970mm	2A	G13	3000K	1600 lm	25
0001818	F58W T8 176 FoodStar Meat	58W	110V	0.670mA	1500mm	2A	G13	3000K	2850 lm	25
0001857	F70W T8 176 FoodStar Meat	70W	128V	0.700mA	1764mm	2A	G13	3000K	3250 lm	25

foodstar Meat - Fluorescent Toughcoat™

Code	Description	Watt (W)	Volt (V)	Current (mA)	Length (mm)	CRI	Cap	Colour Temp (K)	Luminous Flux (lm)	Packing Qty
0001787	FHE 14W T5 176 FoodStar Meat TC	14W	86V	0.165mA	549mm	2A	G5	3000K	650 lm	25
0001788	FHE 21W T5 176 FoodStar Meat TC	21W	126V	0.165mA	849mm	2A	G5	3000K	1050 lm	25
0001789	FHE 28W T5 176 FoodStar Meat TC	28W	166V	0.170mA	1149mm	2A	G5	3000K	1500 lm	25
0001790	FHE 35W T5 176 FoodStar Meat TC	35W	205V	0.175mA	1449mm	2A	G5	3000K	1850 lm	25
0001791	F18W T8 176 FoodStar Meat TC	18W	57V	0.370mA	590mm	2A	G13	3000K	700 lm	25
0001792	F30W T8 176 FoodStar Meat TC	30W	96V	0.365mA	895mm	2A	G13	3000K	1250 lm	25
0001793	F36W T8 176 FoodStar Meat TC	36W	103V	0.430mA	1200mm	2A	G13	3000K	1800 lm	25
0001794	F36W T8 1M 176 FoodStar Meat TC	36W	80V	0.560mA	970mm	2A	G13	3000K	1600 lm	25
0001795	F58W T8 176 FoodStar Meat TC	58W	110V	0.670mA	1500mm	2A	G13	3000K	2850 lm	25
0001796	F70W T8 176 FoodStar Meat TC	70W	128V	0.700mA	1764mm	2A	G13	3000K	3250 lm	25

	A	B	B	C	D
T8	max	min	max	max	nom
36W	1199.4	1204.1	1206.5	1213.6	26
58W	1500.0	1504.7	1507.1	1514.2	26

	A	B	B	C	D
T5	max	min	max	max	nom
21W	849	853.7	856.1	863.2	16
28W	1149	1153.7	1156.1	1163.2	16
35W	1449	1453.7	1456.1	1463.2	16



Dimensions (mm)

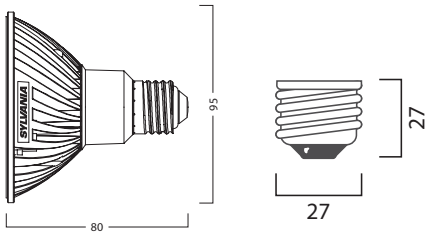
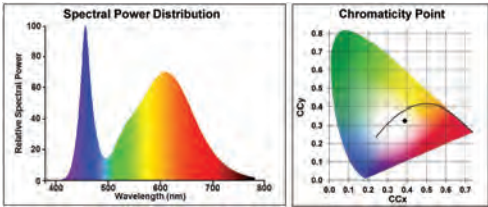


- Full retrofit LED for standard halogen lamps
- High energy saving: Compared to special colour halogen lamps
- Very long life: 25000hrs with more than 100000 switches
- Features a specially tailored spectrum that complements the natural colours of meats Illuminates meat and charcuterie in their optimum colours for ir resistible presentation
- The truthful colour rendering does not disturb the natural colours of the products
- Integrated electrical isolating transformer for highest safety, even in humid conditions



foodstar Meat - RefLED

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	CRI	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0001774	Hi-Spot 95 RefLED 9W 25° Foodstar Meat	9	220-240	25	E27	80	3500	325	25000	10



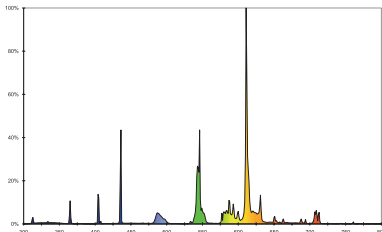
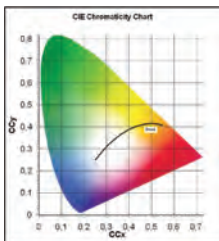
Dimensions (mm)



T8



T5



- FoodStar bread lamps have a radiation concentrated in the yellowish part of the spectrum
- Truthful colour rendering does not disturb the natural colours of the products
- Reduced warm up of the goods illuminated
- Available in Toughcoat-version (shatter proof). The protective FEP coating meets the IEC600682-75 pendulum hammer test (5 Joule) and 4m drop test demonstrating excellent glass retention in the event of accidental lamp breakage.



foodstar Bread - Fluorescent

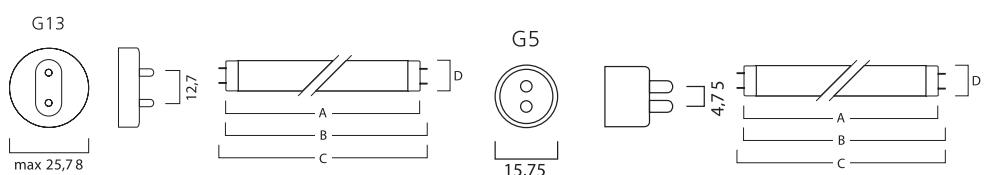
Code	Description	Watt (W)	Volt (V)	Current (mA)	Length (mm)	CRI	Cap	Colour Temp (K)	Luminous Flux (lm)	Packing Qty
0001858	FHE 21W T5 FoodStar Bread	21W	126V	0.165mA	849mm	2A	G5	2300K	1650 lm	25
0001859	FHE 28W T5 FoodStar Bread	28W	166V	0.170mA	1149mm	2A	G5	2300K	2250 lm	25
0001860	FHE 35W T5 FoodStar Bread	35W	205V	0.175mA	1449mm	2A	G5	2300K	2850 lm	25
0001861	F18W T8 FoodStar Bread	18W	57V	0.370mA	590mm	2A	G13	2300K	1100 lm	25
0001862	F30W T8 FoodStar Bread	30W	96V	0.365mA	895mm	2A	G13	2300K	2100 lm	25
0001863	F36W T8 FoodStar Bread	36W	103V	0.430mA	1200mm	2A	G13	2300K	3000 lm	25
0001864	F58W T8 FoodStar Bread	58W	110V	0.670mA	1500mm	2A	G13	2300K	4500 lm	25

foodstar Bread - Fluorescent Toughcoat™

Code	Description	Watt (W)	Volt (V)	Current (mA)	Length (mm)	CRI	Cap	Colour Temp (K)	Luminous Flux (lm)	Packing Qty
0001797	FHE 21W T5 FoodStar Bread TC	21W	126V	0.165mA	849mm	2A	G5	2300K	1650 lm	25
0001798	FHE 28W T5 FoodStar Bread TC	28W	166V	0.170mA	1149mm	2A	G5	2300K	2250 lm	25
0001799	FHE 35W T5 FoodStar Bread TC	35W	205V	0.175mA	1449mm	2A	G5	2300K	2850 lm	25
0001800	F18W T8 FoodStar Bread TC	18W	57V	0.370mA	590mm	2A	G13	2300K	1100 lm	25
0001801	F30W T8 FoodStar Bread TC	30W	96V	0.365mA	895mm	2A	G13	2300K	2100 lm	25
0001802	F36W T8 FoodStar Bread TC	36W	103V	0.430mA	1200mm	2A	G13	2300K	3000 lm	25
0001803	F58W T8 FoodStar Bread TC	58W	110V	0.670mA	1500mm	2A	G13	2300K	4500 lm	25

	A	B	B	C	D
T8	max	min	max	max	nom
18W	589.8	594.5	596.9	604.0	26
30W	894.6	899.3	901.7	908.8	26
36W	1199.4	1204.1	1206.5	1213.6	26
58W	1500.0	1504.7	1507.1	1514.2	26

	A	B	B	C	D
T5	max	min	max	max	nom
21W	849	853.7	856.1	863.2	16
28W	1149	1153.7	1156.1	1163.2	16
35W	1449	1453.7	1456.1	1463.2	16



Dimensions (mm)

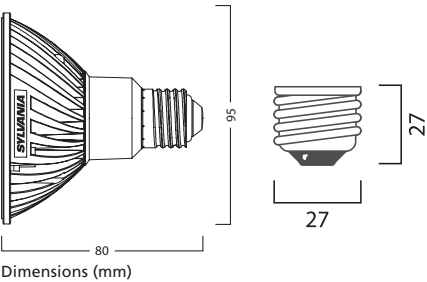
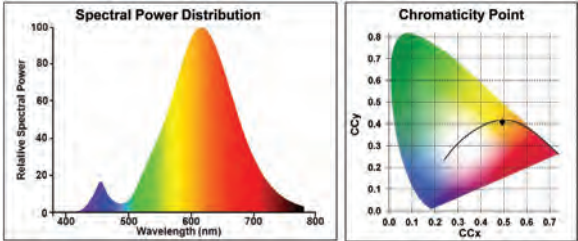


- Full retrofit LED for standard halogen lamps
- High energy saving: Compared to white sodium and filtered metal halide lamps
- Very long life: 25000hrs with more than 100000 switches
- Features a specially tailored spectrum that complements the natural colours of bread and patisserie. Illuminates them in their optimum colours for irresistible presentation
- The truthful colour rendering does not disturb the natural colours of the products
- Integrated electrical isolating transformer for highest safety, even in humid conditions



foodstar Bread - RefLED

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	CRI	Colour Temp (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0001777	Hi-Spot 95 RefLED 9W 25° Foodstar Bread	9	220-240	25	E27	80	2200	300	25000	10

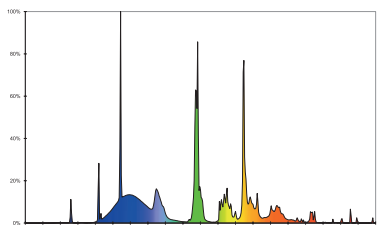
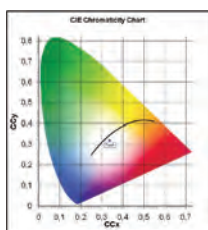




T8



T5



- Fruit and vegetables should reflect freshness. They need a higher colour temperature and cooler light and the display of fish needs it even more.
- Truthful colour rendering does not disturb the natural colours of the products
- Reduced warm up of the goods illuminated
- Available in Toughcoat-version (shatter proof). The protective FEP coating meets the IEC600682-75 pendulum hammer test (5 Joule) and 4m drop test demonstrating excellent glass retention in the event of accidental lamp breakage.



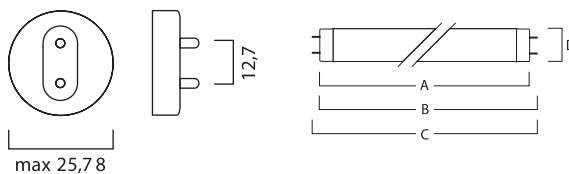
foodstar Fresh - Fluorescent

Code	Description	Watt (W)	Volt (V)	Current (mA)	Length (mm)	CRI	Cap	Colour Temp (K)	Luminous Flux (lm)	Packing Qty
0001865	FHE 21W T5 FoodStar Fresh	21	126	0.165	849	2A	G5	6400	1250	25
0001866	FHE 28W T5 FoodStar Fresh	28	166	0.170	1149	2A	G5	6400	1700	25
0001867	FHE 35W T5 FoodStar Fresh	35	205	0.175	1449	2A	G5	6400	2150	25
0001868	F36W T8 FoodStar Fresh	36	103	0.430	1200	2A	G13	6400	2350	25
001869	F58W T8 FoodStar Fresh	58	110	0.670	1500	2A	G13	6400	3500	25

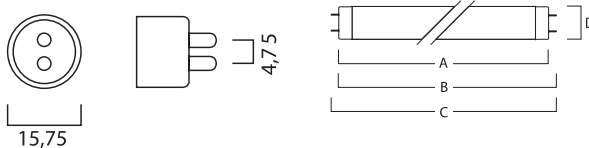
foodstar Fresh - Fluorescent Toughcoat™

Code	Description	Watt (W)	Volt (V)	Current (mA)	Length (mm)	CRI	Cap	Colour Temp (K)	Luminous Flux (lm)	Packing Qty
0001804	FHE 21W T5 FoodStar Fresh TC	21	126	0.165	849	2A	G5	6400	1250	25
0001805	FHE 28W T5 FoodStar Fresh TC	28	166	0.170	1149	2A	G5	6400	1700	25
0001806	FHE 35W T5 FoodStar Fresh T	35	205	0.175	1449	2A	G5	6400	2150	25
0001807	F36W T8 FoodStar Fresh TC	36	103	0.430	1200	2A	G13	6400	2350	25
0001808	F58W T8 FoodStar Fresh TC	58	110	0.670	1500	2A	G13	6400	2350	25

G13



G5



Dimensions (mm)

	A	B	B	C	D
T8	max	min	max	max	nom
36W	1199.4	1204.1	1206.5	1213.6	26
58W	1500.0	1504.7	1507.1	1514.2	26

	A	B	B	C	D
T5	max	min	max	max	nom
21W	849	853.7	856.1	863.2	16
28W	1149	1153.7	1156.1	1163.2	16
35W	1449	1453.7	1456.1	1463.2	16

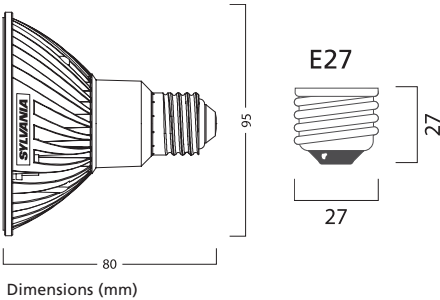
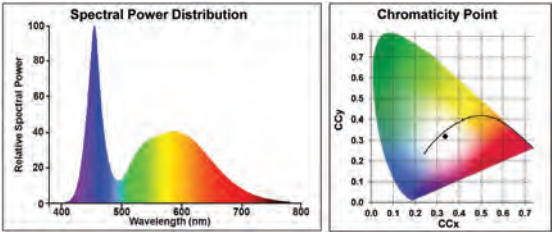


- Full retrofit LED for standard halogen lamps
- High energy saving
- Very long life: 25000hrs with more than 100000 switches
- Features a specially tailored spectrum that complements the natural colours of fruit, vegetables and fish. Illuminates them in their optimum colours for irresistible presentation
- The truthful colour rendering does not disturb the natural colours of the products
- Integrated electrical isolating transformer for highest safety, even in humid conditions



Foodstar Fresh - RefLED

Code	Description	Watt (W)	Volt (V)	Beam Angle (°)	Cap	CRI	Colour Temp (K)	Luminous Flux (lm)	Average Rated LifeQty (Hrs)	Packing Qty
0001780	Hi-Spot 95 RefLED 9W 25° Foodstar Fresh	9	220-240	25	E27	80	5000	375	25000	10





Features

- Full-spectrum high colour rendering T8 fluorescent lamp
- Colour rendering: Ra98/Class 1A
- Colour temperature of 6500K (daylight haracteristic)



Applications

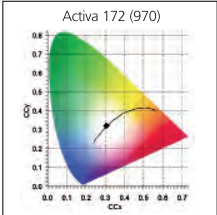
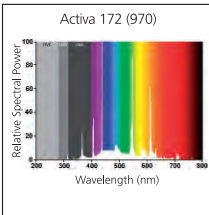
- For all applications where natural colour rendering is required
- Supports the treatment of Seasonal Affective Disorder (Winter Depression) SAD

Activa-Seasonal Affective Disorder (SAD) T5

Code	Description	Watt (W)	Volt (V)	Current (mA)	CRI Group	Cap	Colour Temp (K)	Luminous Flux (lm)	Packing Qty
0002240	FHE 14W/T5/Activa	14	86	165	1	G5	6500	1090	25
0002241	FHE 28W/T5/Activa	28	166	170	1	G5	6500	2400	25
0002242	FHE 35W/T5/Activa	35	205	175	1	G5	6500	3000	25
0002243	FHO 54W/T5/Activa	54	120	455	1	G5	6500	4300	25

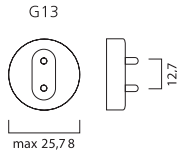
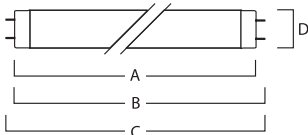
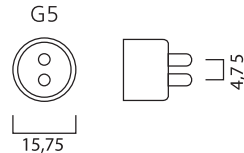
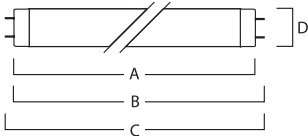
Activa-Seasonal Affective Disorder (SAD) T8

Code	Description	Watt (W)	Volt (V)	Current (mA)	CRI Group	Cap	Colour Temp (K)	Luminous Flux (lm)	Packing Qty
0002218	F18W/T8/ACTIVA	18	57	370	1A	G13	6500	1000	25
0002219	F36W/T8/ACTIVA	36	103	430	1A	G13	6500	2300	25
0002220	F58W/T8/ACTIVA	58	110	670	1A	G13	6500	3700	25
0002188	F70W/T8/ACTIVA	70	128	700	1A	G13	6500	4600	25



	A	B	B	C	D
T5	max	min	max	max	nom
21W	849	853.7	856.1	863.2	16
28W	1149	1153.7	1156.1	1163.2	16
35W	1449	1453.7	1456.1	1463.2	16

	A	B	B	C	D
T8	max	min	max	max	nom
18W	590	595	597	604	26
36W	1199	1204	1207	1214	26
58W	1500	1505	1507	1514	26
70W	1764	1769	1771	1778	26



Dimensions (mm)



Features

- Tubular envelope made from transparent clear quartz
- Transmits the full spectrum of visible and infrared radiation
- Clear lamps are the most efficient for transmitting infrared energy
- Instant on-off capability

Applications

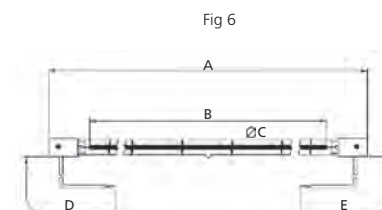
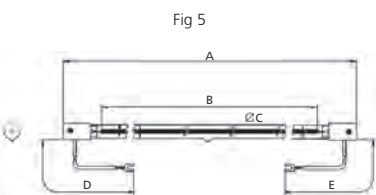
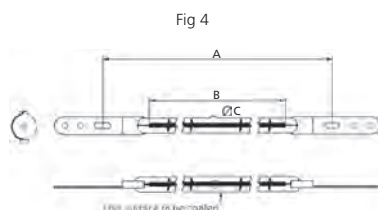
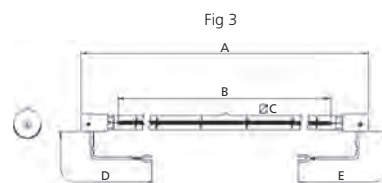
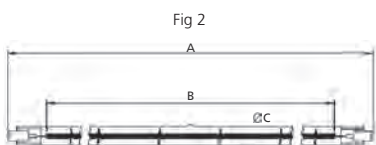
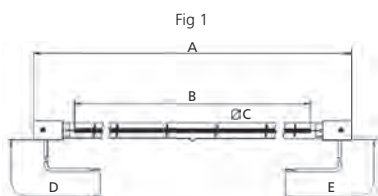
- The glare from the visible light component restricts these to industrial applications, eg Drying of paints in tunnels and automotive body shops
- Heating of plastics for PET bottle blowing
- High speed drying in paper production mills
- Drying of lacquers and printing inks
- Baking and curing of powder coatings
- Thermal sterilisation

Clear Quartz Halogen lamps

Code	Description	Watt (W)	Volt (V)	Cap	Burning Position	Finish	Colour Temp (K)	Average Rated Life (Hrs)	Packing Qty
0033020	IR 300W CL SK15 230V	300	230	SK15	Horizontal	Clear	2550	2000	50
0033021	IR 300W CL R7s 230V	300	230	R7s	Horizontal	Clear	2550	5000	100
0033022	IR 500W CL R SK15 240V	500	240	SK15	Horizontal	Reflector	2450	5000	10
0033023	IR 1000W CL R X 240V	1000	240	Metal strap X	Universal	Reflector	2450	5000	10
0033024	IR 1000W CL SK15 235V	1000	235	SK15	Universal	Clear	2400	5000	10
0033025	IR 1000W CL R SK15 235V	1000	235	SK15	Universal	Reflector	2400	5000	10
0033026	IR 1200W CL R SK15 235V	1200	235	SK15	Universal	Reflector	2600	5000	10
0033027	IR 2000W CL R SK15 235V	2000	235	SK15	Horizontal	Reflector	2700	5000	10

Dimensions (mm)

	300W SK15 Fig.6	300W R7s Fig.2	500W SK15 Fig.3	1000W RX Fig.4	1000W SK15 Fig.1	1000W R SK15 Fig.3	1200W SK15 Fig.5	2000W SK15 Fig.3
A (Lamp Length)	120	117.6	216	370	353	353	222	353
B (Heat Length)	60	60	176	270	280	280	157	270
C (Diameter)	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
D (Cable X1)	140	N/A	230	N/A	230	230	140	230
E (Cable X2)	140	N/A	230	N/A	230	230	140	230
Cable Connection	Splice	N/A	Fork	N/A	Fork	Fork	Fork	Fork



Dimensions (mm)



Features

- Tubular envelope made from ruby red quartz (Rub Slim)
- Secondary outer envelope made from red quartz (Ruby Jacket)
- Transmits virtually all infrared while blocking most visible light
- Instant on-off capability

Applications

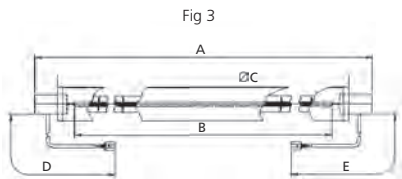
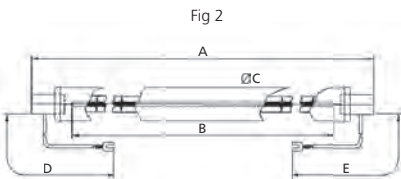
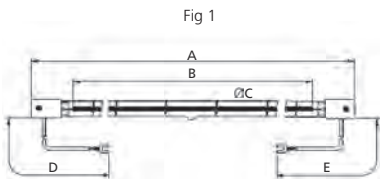
- Space heating of large rooms
- Outdoor heating of communal areas
- Energy efficient alternative to patio heaters

Ruby Red Halogen lamps

Code	Description	Watt (W)	Volt (V)	Cap	Burning Position	Finish	Colour Temp (K)	Average Rated Life (Hrs)	Packing Qty
0033016	IR 1000W Ruby SK15 235V	1000	235	SK15	Universal	Ruby Slim	2450	5000	10
0033017	IR 1200W Ruby SK15 235V	1200	235	SK15	Universal	Ruby Slim	2450	5000	10
0033018	IR 1500W Ruby SK15 235V	1500	235	SK15	Horizontal	Ruby Jacketed	2350	5000	10
0033019	IR 2000W Ruby SK15 235V	2000	235	SK15	Horizontal	Ruby Jacketed	2350	5000	10

Dimensions (mm)

	1000W Fig.1	1200W Fig.1	1500W Fig.2	2000W Fig.3
A (Lamp Length)	353	353	346	346
B (Heat Length)	280	60	176	270
C (Diameter)	10.5	10.5	20.0	20.0
D (Cable X1)	230	230	230	340
E (Cable X2)	230	230	230	340
Cable Connection	Fork	Fork	Fork	Tab



Dimensions (mm)



Features

- Tubular envelope made from translucent (satin) or clear quartz
- Emits both visible light and infra red radiation
- Rapid on-off capability
- No pre heating of the cabin needed

Applications

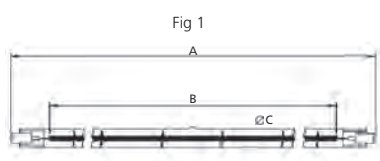
- Personal care in infra-red cabins
- Optimised spectrum to penetrate deeper into the skin for more efficient heat dissipation
- Creates a softer and more pleasant heating sensation than regular lamps

Infra Red Cabin Halogen lamps

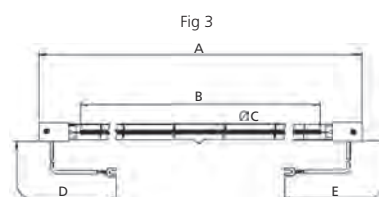
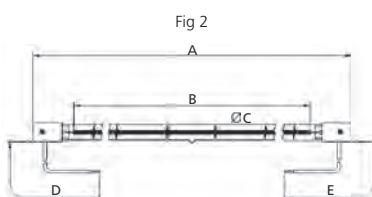
Code	Description	Watt (W)	Volt (V)	Cap	Burning Position	Finish	Colour Temp (K)	Average Rated Life (Hrs)	Packing Qty
0033028	IR 350W CL R7s 235V	350	235	R7s	Horizontal	Clear	1750	5000	80
0033040	IR 350W TL SK15 235V 550mm	350	235	SK15	Horizontal	Translucent	1750	5000	20
0033029	IR 500W TL SK15 235V 700mm	500	235	SK15	Horizontal	Translucent	1750	5000	20
0033030	IR 500W TL SK15 235V 550mm	500	235	SK15	Horizontal	Translucent	1750	5000	20
0033031	IR 750W CL SK15 235V	750	235	SK15	Horizontal	Clear	2000	5000	20
0033032	IR 750W TL SK15 235V	750	235	SK15	Horizontal	Translucent	1750	5000	20
0033033	IR 750W CL SK15 235V	750	235	SK15	Horizontal	Clear	1750	5000	20
0033034	IR 1300W CL SK15 235V	1300	235	SK15	Horizontal	Clear	2000	5000	20

Dimensions (mm)

	350W R7s Fig.6	350W SK15 Fig.2	500W SK15 700mm Fig.3	500W SK15 550mm Fig.4	750W Fig.1	1300W Fig.3
A (Lamp Length)	185.7	628.5	787.5	628.5	787.5	787.5
B (Heat Length)	115	550	700	550	700	700
C (Diameter)	10.0	11.0	11.0	11.0	11.0	11.0
D (Cable X1)	N/A	1200	1200	1200	1200	1200
E (Cable X2)	N/A	230	230	230	230	230
Cable Connection	N/A	Splice	Splice	Splice	Splice	Fork



Dimensions (mm)





Features

- Tubular quartz envelope with gold dichroic coating
- Blocks more light than Ruby quartz types, for lower glare
- Advanced vacuum-sputtered coating won't crack or peel
- Coating extends right over the tip-off area – no light leaks

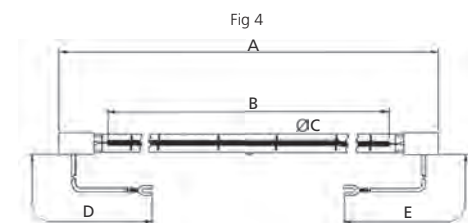
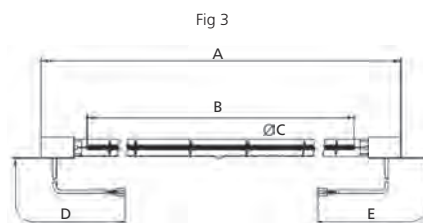
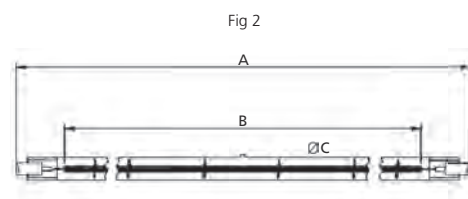
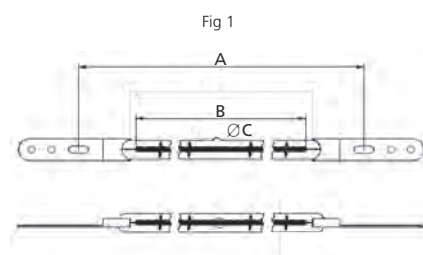
Applications

- Gradually replacing ruby quartz types where reduced glare is desirable
- Creates comfort zones in the outdoor cold, ideal for patios, restaurants and cafés
- Efficient spaceheating in large buildings e.g. churches, halls, warehouses, garages, stadiums, exhibition halls etc
- Glare free de-icing of pedestrian walkways

Gold Filter Halogen lamps

Code	Description	Watt (W)	Volt (V)	Cap	Burning Position	Finish	Average Rated Life (Hrs)	Packing Qty
0033035	IR 1000W Gold X 240V	1000	240	Metal strap X	Universal	Gold plated	5000	10
0033036	IR 1300W Gold R7S 240V	1300	240	R7s	Universal	Gold plated	1000	100
0033037	IR 1500W Gold SK15 240V	1500	240	SK15	Horizontal	Gold plated	5000	10
0033038	IR 1500W Gold SK15 120V	1500	120	SK15	Horizontal	Gold plated	5000	10
0033039	IR 2000W Gold SK15 240V	2000	240	SK15	Horizontal	Gold plated	5000	10

Dimensions (mm)	1000W Fig.1	1300W Fig.2	1500W Fig.3	1500W 120V Fig.4	2000W Fig.5
A (Lamp Length)	370	254	353	353	353
B (Heat Length)	280	180	280	280	280
C (Diameter)	12.5	12.5	12.0	12.0	12.0
D (Cable X1)	N/A	N/A	600	300	600
E (Cable X2)	N/A	N/A	600	300	600
Cable Connection	N/A	N/A	Tab	Fork	Tab



Dimensions (mm)



Features

- Integral reflector facilities simple and economical installations
- Pre-focussed optics deliver intensely controlled radiation
- PAR38 lamps have a pressed hard glass bulb with precision-optical lens
- R125 and R95 lamps have a blown hard glass bulb for low cost applications
- E27 cap allows use in almost any suitable lampholder
- Instant heat after switch-on
- All R125-lamps have a mechanical fitted base in order to avoid lose base problems

Applications

- Animal husbandry and other agricultural uses
- Food heating in the catering trade
- Wellness and medical applications for muscle relaxation
- Creates a pleasant warmth in bathroom drying areas
- Various industrial uses for drying, heating, vulcanizing, distilling, softening, melting, pasteurizing, polymerizing, evaporating, gelatinizing etc

Infra Red Reflector Incandescent lamps

Code	Description	Watt (W)	Volt (V)	Cap	Finish	Average Rated Life (Hrs)	Packing Qty
0033004	IR R95 100W	100	230	E27	Ruby	5000	20
0033009	IR R125 150W	150	240	E27	Ruby	5000	12
0033010	IR R125 175W	175	240	E27	Ruby	5000	12
0033011	IR R125 250W	250	240	E27	Ruby	5000	12
0033012	IR R125 300W	300	240	E27	Ruby	5000	12
0033013	IR R125 375W	375	240	E27	Ruby	5000	12
0033014	IR PAR38 150W	150	240	E27	Ruby	5000	12
0033015	IR PAR38 175W	175	240	E27	Ruby	5000	12

R95 Lamp Dimensions (mm)
Fig.1

L	130
D	95

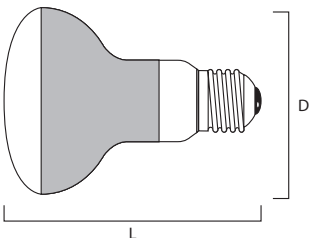
R125 Lamp Dimensions (mm)
Fig.1

L	185
D	126

PAR38 Lamp Dimensions (mm)
Fig.2

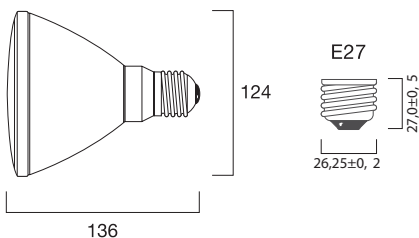
L	135
D	122

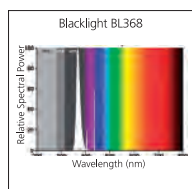
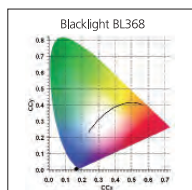
Fig 1



Dimensions (mm)

Fig 2





Features

- BL368 tubes emit an upgraded highly concentrated radiation with peak around 368 nm. Flying insects eye sensitivity is generally at or near this frequency
- 100% improvement in effectiveness (at 368nm)
- Depreciation of UV-A output over time is significantly reduced (80% at 5000hrs of original 100 hour output)
- Performs longer and better throughout the insect season
- Same shape, structural and electrical characteristics and control circuits as standard T12,T8 or T5 tubes



Applications

- Insect traps, insect attraction is strongly increased
- Restaurants, kitchens, food shops, supermarkets
- Diazo printing machines
- Photo Polymerisation
- Chemical processing
- Mineral detection
- Various technical applications

Directions for use

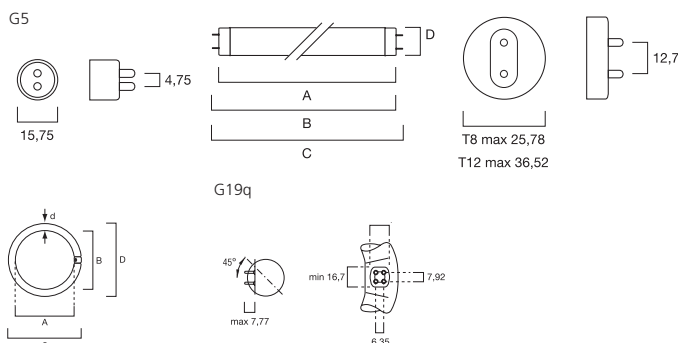
- Maximum exposure limits are set by EN60335-2-59:1997 at an effective 1,0 milliWatt per metre squared (1,0 mW/m²) measured at a distance of 1 metre – originally based on the recommendations of the National Radiological Protection Board in the UK. The irradiance value for a single BL368-lamp measured without reflector and/or fixture, in free air at 25 celsius, is varying between 0,2 and 0,4 mW/m² depending on the wattage.

Blacklight BL368 Linear & Circline

Code	Description	Watt (W)	Volt (V)	Current (A)	Light Colour	Cap	Packing Qty
0000085	F4W T5 BL368	4	29	0.170	BL368	G5	50
0000088	F6W T5 BL368	6	42	0.160	BL368	G5	25
0000089	F8W T5 BL368	8	56	0.145	BL368	G5	25
0000097	F11W T5 BL368	11	34	0.350	BL368	G5	25
0000090	F15W T5 BL368	15	44	0.310	BL368	G5	25
0000082	F15 T8 BL368	15	55	0.310	BL368	G13	25
0000091	F18W T8 BL368 24"	18	59	0.36	BL368	G13	25
0002166	F25 T8 BL368 18"	25	38	0.600	BL368	G13	25
0000098	F30 T8 BL368	30	96	0.365	BL368	G13	25
0000092	F36W T8 BL368 24"	36	50	0.85	BL368	G13	25
0000361	F20 T12 BL368 24"	20	57	0.370	BL368	G13	25
0001638	F40 T12 BL368 24"	40	47	0.880	BL368	G13	25
0000099	F40 T12 BL368 48"	40	103	0.430	BL368	G13	25
0000456	FC22 T12 BL368	22	62	0.400	BL368	G10q	12
0000100	FC32 T12 BL368 8"	32	57	0.480	BL368	G10q	12

UV-A= 315 - 400nm

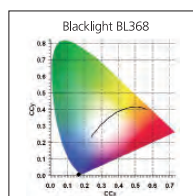
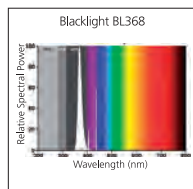
UV-B= 280 - 315nm



Dimensions (mm)

	A min	A max	B min	B max	D min	D max	d min	d max
22W	149.1	155.6	147.6	157.2	203.2	215.9	26.2	30.9
32W	149.1	155.6	147.6	157.2	203.2	215.9	26.2	30.9

	A max	B min	B max	C max	D nom
4W	135.9	140.6	143.0	150.1	16
6W	212.1	216.8	219.2	226.3	16
8W	288.3	293.0	295.4	302.5	16
11W	212.1	216.8	219.2	226.3	16
15WT5	288.3	293.0	295.4	302.5	16
15WT8	437.4	442.1	444.5	451.6	26
18WT8	589.8	594.5	596.9	604.0	26
25WT8 18"	437.4	442.1	444.5	451.6	26
30WT8	894.6	899.3	901.7	908.8	26
36WT8	589.8	594.5	596.9	604.0	26
20WT12 24"	589.8	594.5	596.9	604.0	38
40WT12 24"	589.8	594.5	596.9	604.0	38
40WT12 48"	1199.4	1204.1	1206.5	1213.6	38



Features

- These BL368 tubes emit an upgraded highly concentrated radiation with peak around 368 nm. Flying insect - eye sensitivity is generally at or near this frequency
- 100% improvement in effectiveness (at 368nm)
- Depreciation of UV-A output over time is significantly reduced (80% at 5000hrs of original 100 hour output)
- Performs longer and better throughout the insect season



Directions for use

- Maximum exposure limits are set by EN60335 2-59:1997 at an effective 1,0 milliWatt per metre squared (1,0 mW/m) measured at a distance of 1 metre - originally based on the recommendations of the National Radiological Protection Board in the UK. The irradiance value for a single BL BL368-lamp measured without reflector and/or fixture, in free air at 25 celsius, is varying between 0,2 and 0,4 mW/m depending on the wattage.

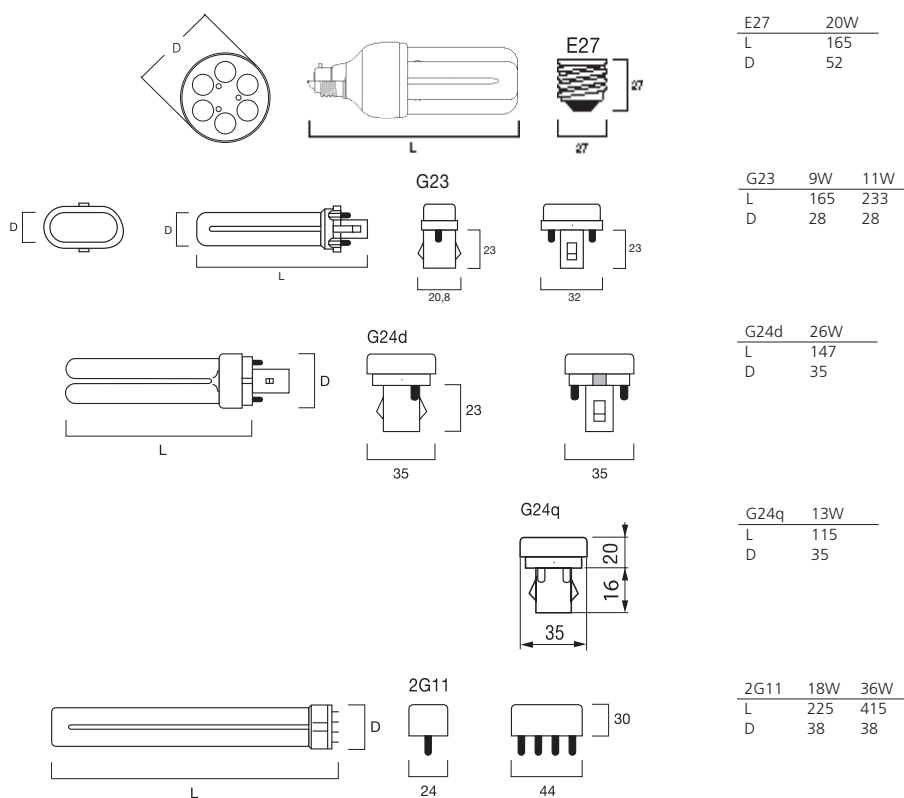
Blacklight BL355 Compact

Code	Description	Watt (W)	Volt (V)	Current (A)	Lamp Colour	Cap	Packing Qty
0025275	LYNX-S BL355 9W	9	60	0.170	BL355	G23	50

Blacklight BL368 Compact

Code	Description	Watt (W)	Volt (V)	Current (A)	Lamp Colour	Cap	Packing Qty
0025706	MiniLynx 20W BL368	20	230	0.160	BL368	E27	20
0025411	Lynx-s 9W BL368	9	60	0.170	BL368	G23	50
0025412	Lynx-S 11W BL 368	11	91	0.175	BL368	G23	50
0025708	Lynx-DE 13W BL368	13	91	0.175	BL368	G24q-1	50
0025709	Lynx-D 26W BL368	26	105	0.325	BL368	G24d-3	50
0025268	Lynx-L 18W BL368	18	58	0.375	BL368	2G11	10
0025710	Lynx-L 36W BL368	36	106	0.435	BL368	2G11	10

UV-A= 315-400nm UV-B=280-315nm





Features

- Excellent fragment retention in the event of breakage
- The protective FEP coating meets the IEC60068-2-75 Pendulum Hammer test (5 Joule) and the 4m drop test, demonstrating excellent glass retention in the event of accidental lamp breakage
- The 97% UV-A transmission of FEP maintains maximum insect attraction
- No discolouration or yellowing of shatter resistant coating during the entire lamp life (> 10,000 hrs)
- The FEP material does not degrade during life. Versions employing PET coatings become brittle, and may not contain fragments. PET is also less transparent for UV- radiation
- The coating withstands up to 200°C in both open and enclosed IP65 fittings.
- The melting temperature is 260°C
- Meets all necessary regulations for resistance to heat and fire, and does not support combustion when exposed to naked flame or excessive heat. It passes the 850°C Glow Wire Test
- Satisfies the requirements of the International Food Standard (IFS 2004)
- FDA approved, in compliance with 21CFR177.1550 Regulatory Compliance Status
- Satisfies the requirements of the BRC (British Retail Consortium) leading supermarkets global standard. In paragraph 3.2.2.6.2 it states "All bulbs and strip lights, including those on electric fly killer units, where they constitute a risk to products, shall be protected by shatterproof plastic diffusers, sleeve covers or with a shatterproof protective coating"



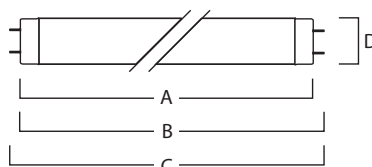
Applications

- Insect attraction in restaurants, kitchens, food shops, supermarkets
- Food processing plants
- Pharmaceutical industry
- The risk of glass and mercury contamination is strongly decreased
- Help to avoid injury and loss of production time

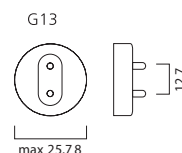
Blacklight BL368 FEP Toughcoat™

Code	Description	Watt (W)	Volt (V)	Current (A)	Lamp Colour	Cap	Packing Qty
0001648	F8W T5 BL368 Toughcoat™	8	56	0.145	BL368	G5	25
0001649	F11W T5 BL368 Toughcoat™	11	34	0.350	BL368	G5	25
0001650	F15W T5 BL368 Toughcoat™	15	44	0.310	BL368	G5	25
0000124	F15W T8 BL 368 Toughcoat™	15	55	0.310	BL368	G13	25
0001664	F18W T8 BL368 Toughcoat™ 24"	18	59	0.36	BL368	G13	25
0001651	F25W T8 BL 368 Toughcoat™ 18"	25	38	0.600	BL368	G13	25
0001652	F30W T8 BL 368 Toughcoat™ 24"	30	96	0.365	BL368	G13	25
0001665	F36W T8 BL368 Toughcoat™ 24"	36	50	0.85	BL368	G13	25
0000125	F20W T12 BL 368 Toughcoat™ 24"	20	57	0.370	BL368	G13	25
0000126	F40W T12 BL 368 Toughcoat™ 24"	40	47	0.880	BL368	G13	25
0001630	F40W T12 BL 368 48" Toughcoat™ 48"	40	103	0.430	BL368	G13	25

	A max	B min	B max	C max	D nom
8WT5	288.3	293.0	295.4	302.5	16
15WT8	437.4	442.1	444.5	451.6	26
15WT5	288.3	293.0	295.4	302.5	16
15WT8	437.4	442.1	444.5	451.6	26
18W 24"	589.8	594.5	596.9	604.0	26
20W/2ft-24"	589.8	594.5	596.9	604.0	38
25WT8 18"	437.4	442.1	444.5	451.6	26
30WT8	894.6	899.3	901.7	908.8	26
36W 24"	589.8	594.5	596.9	604.0	26
40W/2ft-24"	589.8	594.5	596.9	604.0	38
40W/4ft-48"	1199.4	1204.1	1206.5	1213.6	38



Dimensions (mm)





Features

- These lamps consist of a tubular glass envelope and emit more than 85% of their energy in the UV-C ultra violet radiation with a peak at 253.7nm for germicidal action
- Shape, electrical characteristics and lighting circuits are similar to general fluorescent lamps
- The majority of germicidal lamps operate most efficiently in still air at an ambient temperature of 25°
- All lamps are Ozone free
- A protective coating on the inside of the lamp limits the depreciation of the UV-C output

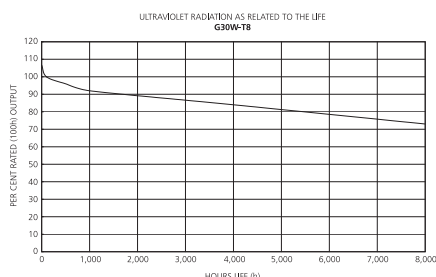
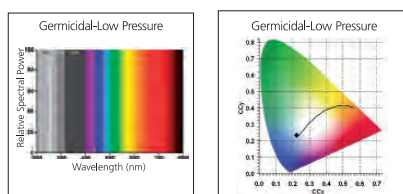


Applications

- Residential drinking water units
- Stand alone air purifiers
- Wall mounted air purification units
- Ponds & Aquaria

Directions for use

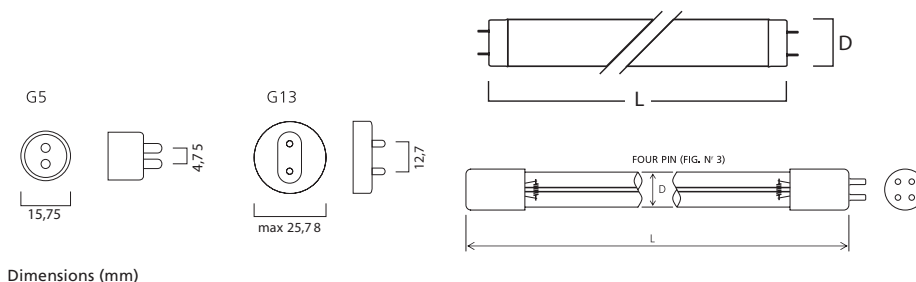
- The radiation from these lamps is very harmful to eyes and skin. Always protect your eyes and skin against radiation
- Germicidal lamps must only be used in appropriate equipment and applications
- When using UV-C emitting lamps, the official reference guides and the current industrial safety guideline must be followed
- Maximum Permissible Exposure Time (MPET) can be established for a given range of wavelengths. For example: 1 minute/day at a distance of 30cm
- Germicidal lamps emit UV-C radiation and must not be used for general lighting purposes

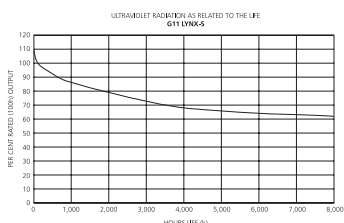
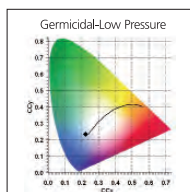
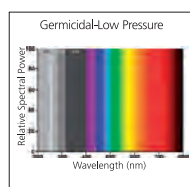


Germicidal Linear

	G4T5 4W	G6T5 6W	G8T5 8W	G11T5 11W
L	136	212	288	212
D	16	16	16	16
	G16T5 16W	G10T8 10W	G15T8 15W	G25T8 25W
L	288	330	437	436
D	16	26	26	26
	G30T8 30W	G36T8 36W	G55T8 55W	G58T8 58W
L	894	1198	893	1500
D	26	26	26	26
	G20T10 20W	G40T10 40W		
L	590	1199		
D	34	34		

Code	Description	Watt (W)	Volt (V)	Current (A)	UV Output at 25°	Cap	Average Rated Life (Hrs)	Packing Qty
0002328	G4W T5	4	30	0.162	0.8	G5	6000	50
0002216	G6W T5	6	42	0.160	1.7	G5	6000	50
0000501	G8W T5	8	56	0.145	2.5	G5	6000	24
0000507	G11W T5 HO	11	37	0.330	2.2	G5	8000	50
0025016	G11W T5 HO 4-pin	11	37	0.330	2.2	Four pin	8000	45
0025017	G16W T5 HO 4-pin	16	50	0.400	3.9	Four Pin	8000	45
0000508	G16W T5 HO	16	50	0.350	3.2	G5	8000	24
0002482	G10W T8	10	46	0.230	2.6	G13	6000	10
0000502	G15W T8	15	55	0.310	4.9	G13	8000	24
9000526	G25W T8	25	46	0.600	6.9	G13	8000	24
0000503	G30W T8	30	96	0.365	13.4	G13	8000	24
0000504	G36W T8	36	103	0.430	15.5	G13	8000	20
0002208	G55W T8	55	83	0.770	18.0	G13	8000	96
0002217	G58W T8	58	110	0.670	20.0	G13	5000	12





2G11	18W	36W			
L	225	415			
D	38	38			

G23	5W	7W	9W	11W	13W
L	105	134	165	233	233
D	28	28	28	28	28

Features

- These lamps have all the benefits of linear germicidal lamps, but have also a very compact design. This allows for compact fixture design. As they are single ended, replacement is very easy
- The HO (High Output) lamps are most efficient in air purification installations, as they are wind chill corrected
- Shape, electrical characteristics and lighting circuits are similar to general lighting compact fluorescent lamps
- The majority of germicidal lamps operate most efficiently in still air at an ambient temperature of 25°
- All lamps are Ozone free
- A protective coating on the inside of the lamp limits the depreciation of the UV-C output



Applications

- Residential drinking water
- Pond water
- Induct air treatment units
- Stand alone air purifiers

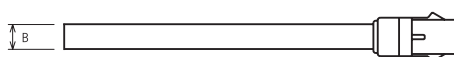
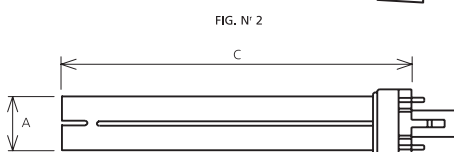
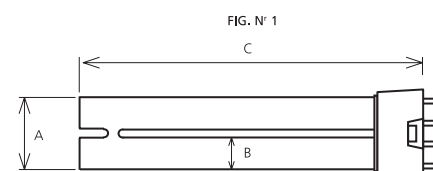
Directions for Use

- The radiation from these lamps is very harmful to eyes and skin. Always protect your eyes and skin against radiation.
- Germicidal lamps must only be used in appropriate equipment and applications.
- When using UV-C emitting lamps, the official reference guides and the current industrial safety guideline must be followed.
- Maximum Permissible Exposure Time (MPET) can be established for a given range of wavelengths. For example: 1 minute/day at a distance of 30cm.
- Germicidal lamps emit UV-C radiation and must not be used for general lighting purpose

Germicidal Compact

Code	Description	Watt (W)	Volt (V)	Current (A)	UV Output at 25°	Cap	Average Rated Life (Hrs)	Packing Qty
0025046	G5 Lynx-S	5	35	0.180	1.5	G23	8000	50
0025050	G9 Lynx-S	9	59	0.170	2.4	G23	8000	50
0025012	G9W Lynx-SE 4-pin	9	59	0.170	2.4	2G7	8000	50
0025051	G11 Lynx-S	11	89	0.160	3	G23	8000	50
0025047	G13 Lynx-S	13	59	0.285	3.6	GX23	8000	50
0025049	G18W Lynx-L	18	58	0.375	5.5	2G11	8000	25
0025048	G36W Lynx-L	36	106	0.435	12.0	2G11	8000	25
0025045	G55W Lynx-L	55	103	0.540	17.0	2G11	8000	25
0025013	G35W Lynx-L HO*	35	55	0.850	11	2G11	9000	25
0025014	G65W Lynx-L HO*	65	82	0.800	19	2G11	9000	25
0025015	G90W Lynx-L HO*	90	115	0.800	27	2G11	9000	25

* When used with electronic ballast 25KHz HF



Dimensions (mm)



Sunlamp – CAUTION – ultraviolet (UV) and infrared (IR) radiation. Please follow the instructions. Ultraviolet and infrared radiation from solarium tubes carry a number of health risks and may lead to disorders such as cancer, premature aging of the skin, burns, eye damage, cataracts, deficiency of the immune system, allergic reactions and damage to the vascular system. Pregnant women and persons taking prescription or over the counter medications should consult their physician before using a tanning bed in a solarium. The simultaneous use of medications such as tranquilizers, antibiotics, diuretic, hypotensive, antineoplastic or contraceptive substances may lead to sunburn occurring more quickly because such substances raise the skin's sensitivity to light. The same applies for cosmetics. UV radiation may accelerate the aging process of your skin and increase the risk of skin cancer, such as squamous or basal cell carcinoma. Your risk of contracting skin cancer rises with the frequency of exposure to UV radiation. People who do not tan in sunlight will generally not go brown in a solarium and are therefore more at risk from the negative effects of tanning lamps. If you do not tan in sunlight, you should avoid tanning lamps. UV exposure in childhood is suspected of favoring melanoma formation in adulthood. Consequently, children should only be allowed to use solarium under medical supervision. ALWAYS WEAR SUITABLE EYE PROTECTION WHEN TANNING (UV PROTECTIVE GOGGLES)! FAILURE TO WEAR EFFECTIVE EYE PROTECTION MAY LEAD TO SEVERE BURNS OR PERMANENT VISUAL DAMAGE!

Use tanning lamps EXCLUSIVELY with a timer switch in line with the equipment and lamp manufacturers' instructions and according to your skin type. Take all the necessary safety precautions before installing the lamp and replacing the tubes, and follow the manufacturers' instructions concerning the tanning equipment and lighting device.

DISCLAIMER: SYLVANIA shall not be liable for damage resulting from improper use of the product or failure to observe statutory and local authority regulations relating to the use of the product by customers or end users. All of the data listed here result from laboratory measurements conducted under standardized conditions. Information on the reduction of UVA radiation and the guaranteed service life of the equipment is based on the 5-hour value and refers to operating conditions defined by SYLVANIA. SYLVANIA reserves the right to alter these technical data without prior notice.

Wellness, sun tanning and body care in general are more and more part of modern life. Our Pure Bronze range of sun tanning low-pressure tubes and high-pressure lamps leave barely any wish unfulfilled. Open and closed glass, 2-meter and miniature tubes, with and without reflectors, standard or long life versions, Pure Bronze provides a matching solution for practically every requirement.

Bodycare



Features

- Short irradiation and exposure times
- Ozone free construction
- Long-life types offer outstanding UV-A maintenance out to 800 hours
- Special versions available upon request
- Complete PBF range also available

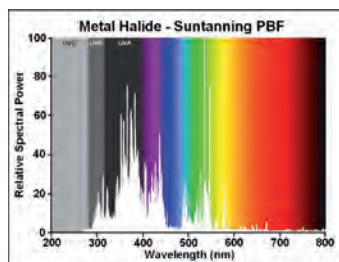
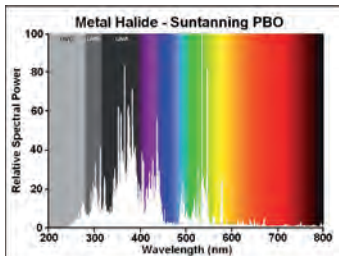


Applications

- Domestic cosmetic facial tanning
- Professional facial, half body and full body units
- Short intense tanning sessions

Directions For Use

- Only use in tanning devices equipped with appropriate filter and timer
- Burning position : horizontal $\pm 10^\circ$ for double ended types : universal for single ended types
- Do not touch the quartz envelope with bare fingers
- Pinch temperature : max 350°C
- Bulb temperature : min 750°C, max 950°C



PureBronze Suntanning - High Pressure HID

Code	Description	Watt (W)	Base/Cap	Maximum diameter D (mm)	Maximum length L (mm)	Average Rated Life (Hrs)	Fig.
Performance							
0024250	PureBronze PBF 250W SE	250	GY9.5	14	69	600	3
0024300	PureBronze PBO BEST 300/500W S	300-500	R7s	14	106	800	1
0024201	PureBronze PBO 400W SL	250-500	R7s long	14.0	117.9	600	1
0024202	PureBronze PBO 400W C	250-500	Cable	14.0	116.0	600	2
0024303	PureBronze PBO BEST 300/500W SE	300-500	GY9.5	14	103	800	3
0024227	PureBronze PBO 400-600W G12	300-600	G12	14	106	600	-
0024210	PureBronze PBO 500W S	300-600	R7s	17.0	106.0	600	1
0024212	PureBronze PBO 500W SE	300-600	GY 9.5	17.0	107.0	600	3
0024261	PureBronze PBO 300/500W SEC	300-500	CODED SE	14	103	600	-
0024228	PureBronze PBO 400/600W SEC	400-600	CODED SE	17	107	600	-
0024220	PureBronze PBO 1000W C 230 V	1000	Cable	25.5	139.0	600	2
0024223	PureBronze PBO 1000W SE short	500-1000	GY9.5	25.0	108.5	600	3

Fig. 1

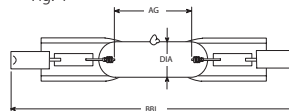


Fig. 2

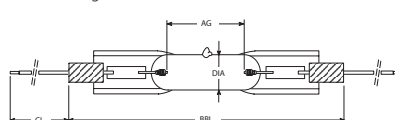
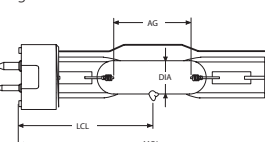
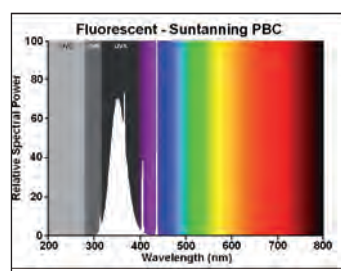


Fig. 3



Dimensions (mm)

	250	400	500	700	1000	2000
Single Ended						
MOL	71	103			129	
DIA	20	14			25	
C (Cable)						
BBL	116				139	174
DIA	14				25.5	27
S (R7s) Base						
BBL	106				118	
DIA	14				14	



Responding to the recent European Directive which calls for a maximum effective irradiance of 0.3 W/m² in the sunbed, Sylvania has developed a comprehensive range of retrofit tubes which allow you to bring equipment in line with the new regulations. By optimal balance of the UV-A and UV-B ratios, tanning times are maintained as short as possible. From the three product ranges TopLine, PerformanceLine and ClassicLine, Sylvania can offer a tube to meet the performance and budgetary requirements of the entire spectrum from professional salon to domestic user.



CLASSICLINE: for the beginner

- Comprehensive product range from 15W to 180W
- Closed glass tube limits the deeper UV wavelengths
- Available with and without internal reflector
- The starter series for both home use and smaller salons
- Lower cost tube suitable for the beginner
- Guaranteed UV output for 600 hours life

PERFORMANCELINE : for immediate tanning

- Increased power tubes from 80W to 160W
- Professional quality open glass tube lets out the important UV wavelengths
- Ideal choice for professional studios
- High levels of direct pigmentation are achieved thanks to the open glass
- Guaranteed UV output for 600 hours life

TOPLINE : for the professional

- Ultimate output of 100W to 250W for reduced tanning times
- Professional quality open glass tube lets out the important UV wavelengths
- Top performance choice for professional studios
- DirectTan technology for instant visual results
- PurePower models deliver up to 30% more direct pigmentation
- Guaranteed UV output for industry-leading 1000 hours life
- Sylvania LongLife technology delivers low cost of ownership for professional salons

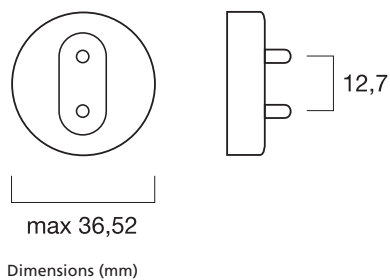
Directions For Use

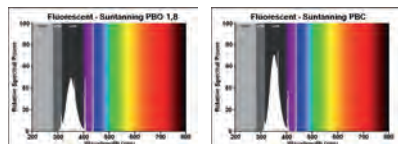
- Always consider the type of equipment and your skin type when using Sylvania tanning tubes

PureBronze Suntanning - Low Pressure 0.3 Range

Code	Description	Watt (W)	Length (CM)	Typical radiation strength* (mW/cm ²)	UV-B (%)	UV-A (W)	Sun/erythema factor (fse)	Sunning time** HT 3 (min.)	Average Rated Life (Hrs)
Classic 15-100W									
0003012	PBC 15W 1,0	15	28.8	16	1.0	2.8	0.4	21	600
0003009	PBC 25W 1,0	25	52	16	1.0	2.8	0.05	21	600
0001180	PBC 100W 0,7	100	176	17	0.8	27	0.05	24	600
0001181	PBC 100W 1,3	100	176	17	1.3	27	0.07	20	600
0001182	PBC 100W 2,0	100	176	17	2.0	27	0.11	12	600
0001169	PBC 100W 0,7 R	100	176	18	0.7	26	0.07	24	600
0001170	PBC 100W 1,0 R	100	176	18	1.0	26	0.08	21	600
0001301	PBC 100W 1,3 R	100	176	18	1.3	26	0.1	18	600
0001313	PBC 140W 1,3 R	140	150	21	1.3	33	0.12	15	600
0001217	PBC 160W 0,7 R	160	176	21	0.7	33	0.08	22	600
0001214	PBC 160W 1,0 R	160	176	21	1.0	33	0.1	18	600

Code	Description	Watt (W)	Length (CM)	Typical radiation strength* (mW/cm2)	UV-B (%)	UV-A (W)	Sun/erythema factor (fse)	Sunning time** HT 3 (min.)	Average Rated Life (Hrs)
Extra-long tubes									
0001297	PBC 120W 0.7 R 1.9m	100-120	190	19	0.7	30	0.08	22	600
0001298	PBC 120W 0.7R 2m	100-120	200	18	0.7	30	0,08	22	600
0001302	PBC 180W 0.7R 1.9m	160-180	190	22	0,7	38	0,08	18	600
0001299	PBC 180W 0.7 R 2m	180-200	200	23	0.7	41	0.08	22	600
Performance 80-100W									
0001166	PBO 80W 1,0 R	80	150	19	1.0	23	0.11	18	600
0001248	PBO 100W 0,5 R	100	176	19	0.5	30	0.06	27	600
0001201	PBO 100W 1,0 R	100	176	20	1.0	30	0.1	19	600
0001202	PBO 100W 1,3 R	100	176	20	1.3	30	0.13	15	600
0001267	PBO 160W 0,5 R	160	176	23	0.5	36	0.06	23	600
0001249	PBO 160W 0,7 R	160	176	23	0.7	36	0.08	18	600
0001218	PBO 160W 1,0 R	160	176	23	1.0	36	0.12	15	600
TopLine 100W									
0001246	PBO 100W R NormMax Xtra LL	100	176	21	0.5	32	0.06	26	1000
0001279	PBO 100W R NormMax LL	100	176	21	0.7	32	0.08	23	1000
0001280	PBO 100W R NormMax+ LL	100	176	21	1.0	32	0.11	18	1000
0001286	PBO 160W R NormMax Ultra LL	160	176	25	0,3	38	0,05	30	1000
0001320	PBO 160W R NormMax Xtra LL	160	176	25	0.6	38	0.07	22	1000
0001281	PBO 160W R NormMax LL	160	176	25	0,8	46	0,09	17	1000
0001234	PBO 160W R NormMax+ LL	160	176	25	0.95	38	0.13	14	1000
0001275	PPB 160W R NormMax + LL	160	176	28	0.7	46	0.11	17	1000
Extra-long tubes									
0001274	PPB 180/250W R NormMax LL 2m	180-250	200	28	0.35	51	0.08	23	1000





Not all sun beds need to be equipped with reduced power tubes in order to conform with the 0.3 W/m² directive. For these applications Sylvania continues to offer a comprehensive selection of high output tubes delivering high erythral performance.



The products are split into the same categories of ClassicLine, PerformanceLine and TopLine to suit the lifetime and performance requirements of different consumers

CLASSICLINE : for the beginner

- Closed glass tube limits the deeper UV wavelengths
- Lower cost tube suitable for the beginner
- Guaranteed UV output for 600 hours life

PERFORMANCELINE: for immediate tanning

- Professional quality open glass tube lets out the important UV wavelengths
- Ideal choice for professional studios
- High levels of direct pigmentation are achieved thanks to the optimised UV-A spectrum
- Guaranteed UV output for 600 hours life

TOPLINE: for the professional

- Ultimate output of 100W to 250W for reduced tanning times
- Professional quality open glass tube lets out the important UV wavelengths
- Top performance choice for professional studios
- DirectTan technology for instant visual results
- PurePower models deliver up to 30% more direct pigmentation
- Guaranteed UV output for industry-leading 1000 hours life
- Sylvania LongLife technology delivers low cost of ownership for professional salons

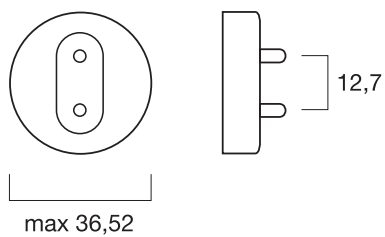
Directions For Use

- Always consider the type of equipment and your skin type when using Sylvania tanning tubes

PureBronze Suntanning – Low Pressure Class 5 Range

Code	Description	Watt (W)	Length (CM)	Typical radiation strength* (mW/cm ²)	UV-B (%)	UV-A (W)	Sun/erythema factor (fse)	Sunning time** HT 3 (min.)	Average Rated Life (Hrs)
Classic 25-36W									
0003013	PBO 25W 1,5	25	52	16	1.5	5.5	0.08	14	600
0003011	PBO 25W 2,5	25	52	16	1.5	5.5	0.11	12	600
Performance 80-100W									
0001168	PBO 80W 2,3R	80	150	19	2,3	21	0,21	9	600
0001206	PBO 100W 2,6R	100	176	19	2,6	30	0,23	12	600
Performance 140-160W									
0001213	PBO 140W 2,3 R	140	150	23	2.3	30	0.26	8	600
0001221	PBO 160W 2,0 R	160	176	23	2.0	38	0.25	9	600
0001223	PBO 160W 2,6 R	160	176	23	2.6	38	0.30	6	600
0001283	PBO 160W 3,3 R	160	176	23	3.3	38	0.32	4	600
0001284	PBO 160W 3,6 R LL	160	176	20	3.6	38	0.34	3	600

Code	Description	Watt (W)	Length (CM)	Typical radiation strength* (mW/cm2)	UV-B (%)	UV-A (W)	Sun/erythema factor (fse)	Sunning time** HT 3 (min.)	Average Rated Life (Hrs)
Extra-long tubes									
0001228	PBO 120W 2,0 R 2m	100-120	200	19	2.0	32	0.19	10	600
0001233	PBO 180W 2,0 R 1,9m	160-200	600	23	2.0	42	0.25	9	600
0001245	PBO 180W 3,3 R 1,9m	160-200	190	23	3.3	41	0.32	4	600
0001237	PBO 180W 2,6 R 2m	160-200	200	23	2.6	42	0.30	6	600
TopLine 100W									
0001309	PBO 100W 3,6 R LL	100	176	19	3.6	30	0.31	6	1000
TopLine 140-160W									
0001226	PBO 160W 2,3 R LL	160	176	23	2.3	38	0.27	8	1000
0001312	PPB 160W 3,0 R LL	160	176	28	3.0	46	0.42	5	1000
0001307	PPB 160W 3,6 R LL	160	176	28	3.6	46	0.50	3	1000
Extra-Long tubes									
0001239	PPO 180W 2,6 R LL 2m	160-200	200	23	2.6	42	0.27	7	1000
0001285	PPO 180W 3,6 R LL 2m	160-200	176	28	3.6	46	0.50	3	1000
0001258	PPB 180/250W 2,3 R LL 2M	180-250	200	28	2.3	50	0.37	5.5	1000
0001318	PPB 180/250W 3,0 R LL 2M	180-250	200	28	2.6	50	0.42	5	1000
0001319	PPB 180/250W 3,6 R LL 2M	180-25	200	32	3.3	53	0.52	3	1000



Dimensions (mm)



Features

- Will perfectly start the PureBronze fluorescent lamps
- Works with a broad range of lamp wattages.
- Long Life (at least 20.000 starts)
- No delay or flickering. This avoids unnecessary blackening around the electrodes and lengthens the lamps economic life
- Resistant to ultra-violet light
- ENEC, VDE and VL approved

Applications

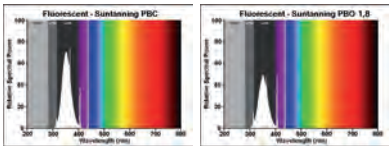
- Sunbeds

Directions For Use

- Single electrical circuit
- Designed for use on 220-240V
- Minimum ambient temperature : 0°C min
- Maximum temperature in any part of the starter: 100°C max
- Sylvania recommends to change the starters when changing lamps and not later than the second lamp change.

Pure Bronze Suntanning Starters

Code	Starter Type	Watt (W)	Volt (V)	No. of Starts	Electrical Circuit	Packing Qty
0024477	PureBronze PBS 120-180	120-180	220-240	20K	Single	25



Dimension	Min.	Max.
A	12,5	12,9
B	-	21,5
D	4,7	5,0
E	2,8	3,2
H	33,0	36,0
L	-	4,3
S	1,7	-
T	1,9	2,2
V	2,7	-
W*	4,2	-

