

LAMPS CATALOGUE
2016

<input type="checkbox"/>	Introduction	1-13
<input type="checkbox"/>	LED	14-61
<input type="checkbox"/>	HID	62-81
<input type="checkbox"/>	Fluorescent Tubes	82-101
<input type="checkbox"/>	Compact Fluorescent	102-119
<input type="checkbox"/>	Halogen	120-145
<input type="checkbox"/>	Incandescent	146-151
<input type="checkbox"/>	Special Applications	152-217
<input type="checkbox"/>	Glossary of terms	218-232

FEILO SYLVANIA

Formed in January 2016, Feilo Sylvania is 80% owned by Shanghai Feilo Acoustics Co., Ltd, which is principally engaged in the manufacture and distribution of lighting equipment. Headquartered in Shanghai, Shanghai Feilo Acoustics Co Ltd was founded in 1984 and is China's first joint-stock company (SH 600651). The company reorganised its M&A on a large scale in 2014 and became a joint enterprise comprising companies including Shanghai Yaming Lighting Co Ltd, Beijing Shen'an Group as well as Shanghai Sunlight Enterprise Co Ltd. With the acquisition of Havells Sylvania, Feilo has gained manufacturing bases, logistics centres, R&D technology centres around the world, as well as market access in 48 countries.

Feilo Sylvania is a leading, full-spectrum provider of professional and architectural lighting solutions. Built on over a century of expertise in lamps and luminaires, Feilo Sylvania supplies internationally state-of-the-art products and systems to the public, commercial and private sectors. Feilo Sylvania strives to deliver the finest products, service and consulting possible. All over the world, people rely on group business divisions: Concord, Lumiance and Sylvania, for top quality, energy-efficient solutions to suit their individual lighting needs.

Our Brands

Lamps

SYLVANIA

The heritage and broad spectrum of products makes Sylvania lamps one of the most respected lighting brands in the world. It has manufacturing and research centres across the globe.

Luminaires

Concord

One of Europe's premium architectural lighting brands with an emphasis on technical performance and aesthetic form. Concord focuses on meeting the needs of architects and lighting designers.

Lumiance

Lumiance offers a wide range of contemporary designed luminaires, intended for a variety of applications such as shops, offices, hotels and restaurants.

SYLVANIA

Sylvania offers a comprehensive Portfolio of attractive and competitively priced luminaires for industrial and commercial applications.



ToLEDo Retro Sylcone

Red Dot Award: Product Design 2016

The new, award-winning SylCone Retro range perfectly combines contemporary aesthetics and technology with vintage stylistics to create a unique range of decorative luminaires. The hand-blown glass lamp is available in three unique designs and incorporates the latest LED filament technology to provide a powerful yet efficient light source that replicates a warm glow of traditional, incandescent lighting with colour temperature of 2000K. The range has recently won the Red Dot Award: Product Design 2016.



RefLED+ ES50 V2.1

Awarded five stars and best LED GU10 lamp by Lux Magazine in 2015

Sylvania's RefLED+ ES50 V2 has been named the best GU10 lamp on the market in a five-star review given by independent testing laboratory, LIA laboratories, and lighting publication Lux Magazine. The lamp was commended not only for the accuracy of the information given on the packaging regarding its technical specifications but also its excellent power factor and efficacy of 79 lm/W. Singled out for special praise however, was the lamp's appearance, with Lux Technical Editor, Alan Tulla remarking in the review that "what sets this lamp apart, both on and off, is its appearance. The front face really sparkles when you switch it on. If you care about lighting, this is the lamp for you."



ToLEDo Retro GLS A60 Non-dimmable

Best LED Filament Lamp: 5.9/6 points
By VDE, the German Association for Electrical, Electronic & Information Technologies, March 22 2016.

Sylvania's ToLEDo Retro GLS A60 Non-dimmable has been named the best LED filament lamp on the market and awarded 5.9 points out of 6 by German testing laboratory, VDE, and Swiss television network SRF. The lamp was commended not only for the accuracy of the technical specifications given on the packaging but also the excellent power factor, efficacy, and the colour and efficiency that don't deteriorate as the lamps life decreases.





The Lux five-star best overall GU10 LED lamp, RefLED+ ES50, is manufactured in our Tienen factory.

Made In Europe

Sylvania is proud of their strong manufacturing heritage in Europe. It has two centres of excellence for lamps, Tienen in Belgium since 1967 and Erlangen in Germany since 1968. They have been created to bring specific design, marketing and production engineering skills for each key lamp group together in one place.

By producing lamps in Europe, Sylvania has reduced product development time and created a clearer understanding of market requirements whilst guaranteeing European craftsmanship in the lamps.

- **Erlangen (Germany):** fluorescent lamps of all types
- **Tienen (Belgium):** Specialises in LED lamps, HID lamps, low voltage and mains voltage halogen lamps

Certifications

All our Feilo Sylvania factories have received ISO 9001 certification from authorized certification bodies.

Warranty

At Felio Sylvania, we pride ourselves on the quality of our products. An extended warranty is available, subject to conditions. Please contact your local sales representatives to learn more.



Erlangen Factory, Germany



Tienen Factory, Belgium



Education



Retail



Museums



Logistics & Industry



Residential



Hospitality



Office



Consumer

2013 EU legislation changes impacting lighting

This legislation has had a major impact on all lighting technologies since it became European law, making it easier for consumers to compare products and enabling non-compliant and inefficient products to be removed from the market. The legislation can be split into three sections as shown below. Future changes have been highlighted in bold.

	DIM*1 Stage 6 for 244 and stage 2/3 for 1194? Eco Design requirements for non-directional household lamps	DIM*2 (1194/2012) Eco Design requirements for directional lamps, LED and luminaires. Stage 6 for 244 and stage 2/3 for 1194	Energy Label (874/2012) Directive
What's happening?	<ul style="list-style-type: none"> - Higher technical performance requirements by Sept. 2013 - Ban of non-directional Halogen from 1st Sept 2018 (postponed from Sept 2016) 	<ul style="list-style-type: none"> - Higher technical performance requirements by Sept. 2013 - Ban of inefficient reflectors. 450lm & CFLi reflectors - Ban on inefficient mains and low voltage halogen reflector lamps from 1st Sept 2016 	<ul style="list-style-type: none"> - New energy label to be added to all relevant lamp packaging - EEI** label classes on top of A class (A+, A++) are added. - Classes "F" and "G" are removed. - kWh/1000h added (energy usage) - Lamps starting September 2013, fixtures starting March 2014
Which Range?	<ul style="list-style-type: none"> - Non-directional CFLi, LED and Halogen 	<ul style="list-style-type: none"> - Directional Halogen, LED, CFLi and non-directional LED related equipment e.g. LED luminaires 	<ul style="list-style-type: none"> - All Lamp portfolios (Incandescent, Fluo, HID, SPG, LED and LED modules) - Fixtures with lamps 

Energy labels are available for download on our website

* DIM stands for Domestic Implementing Measures.

** EEI stands for Energy Efficiency Index - a measure of lamps energy efficiency

Watts will only tell you how much power the light consumes, not how much light it generates. Lumens will tell you what you actually need to know, how much light you will get from a light source; and it is an easier means for comparing the amount of light you will get from one lamp versus another.



Non-Directional Lamps

In non-directional lamps, the amount of lumens defines the total amount of light the lamp generates irrespective of direction.

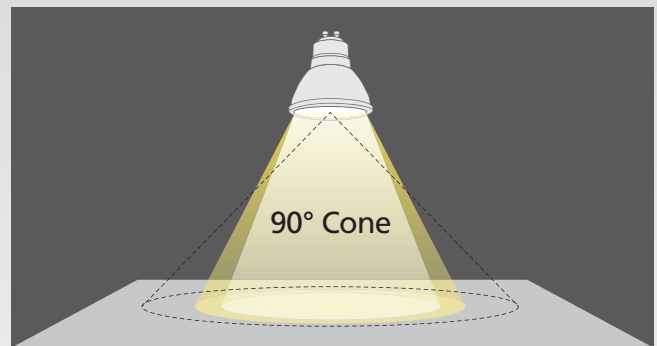


Directional Lamps

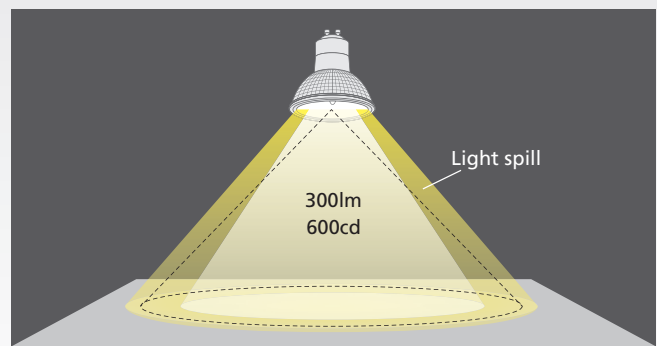
Previously, directional lamps only stated the luminous intensity (candela) of the light. This would only indicate how intense the light was and gave no frame of reference for the quantity (lumens) of light. The DIM*2 legislation specifies that the amount of useful light is the light that is emitted in a 90 degree cone from the lamp. Any light outside this cone is not considered useful in the pursuit of directional lighting. It is however important to maintain an element of "spill light", that is light outside the cone to ensure homogenous, uniform lighting. Directional lamp lumens are defined by the amount of useful light which is emitted forwards.

Useful lumens in directional lamps

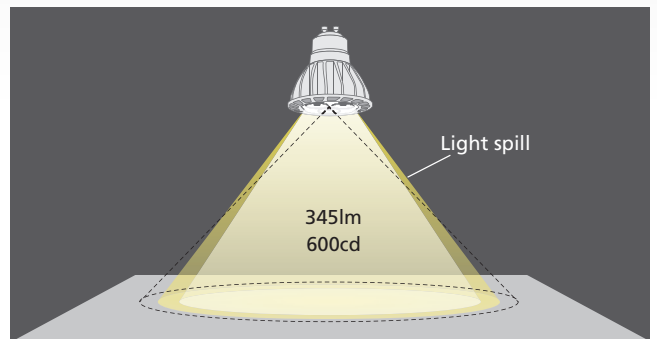
The new legislation specifies that a 90° cone is used for the calculation of reflector lumen output. This is because Halogen lamps have more spill light. To accurately compare light emitted in a specific direction, we can only use the lumens in a 90° cone. This is known as useful lumens.



"Useful lumens" as measured within a 90° cone



GU10 Halogen 50W 36°



GU10 LED 5.5W 40°

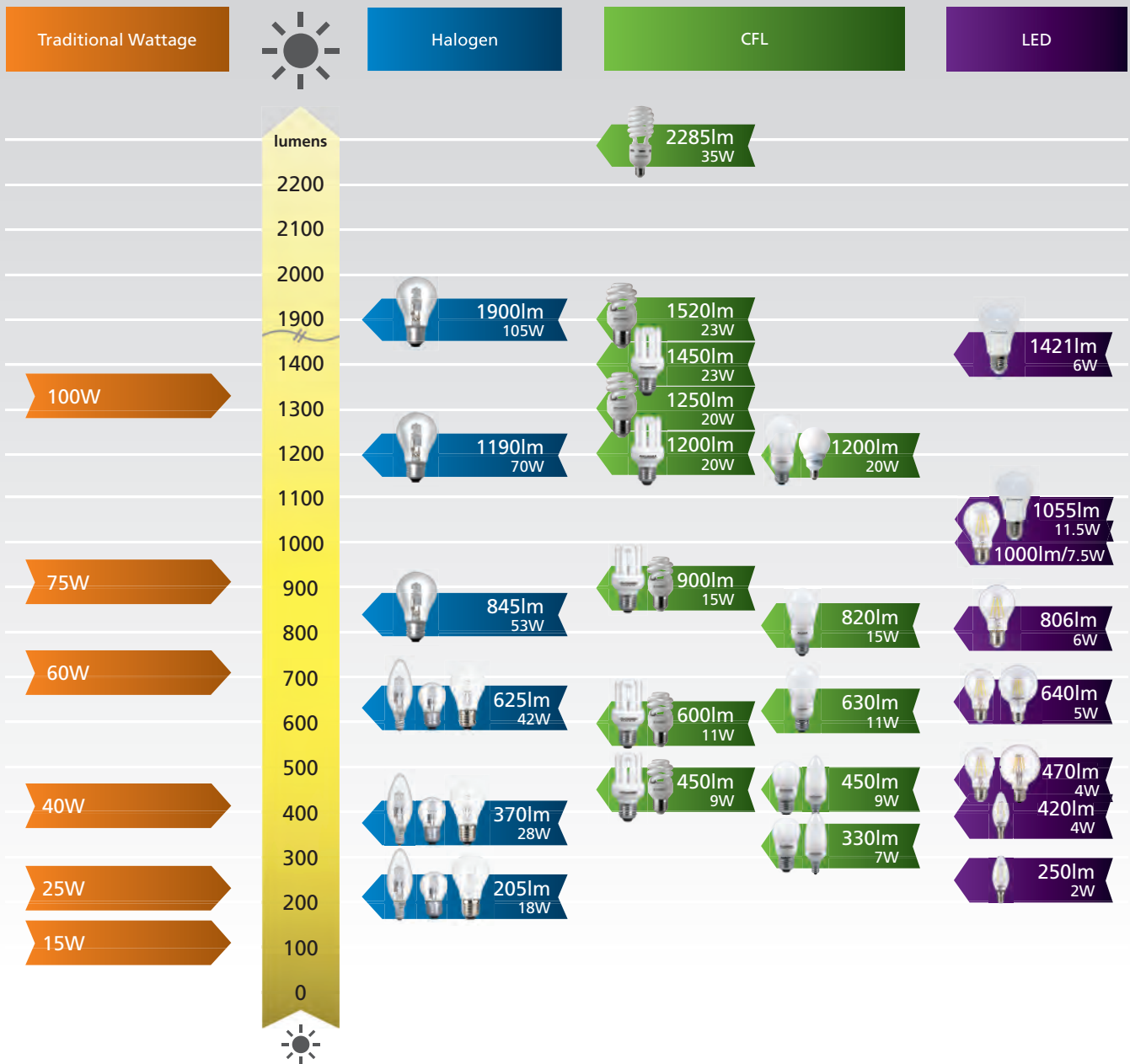
*DIM stands for Domestic Implementing Measures.



Non-directional lamps

For non-directional lamps, we will be focusing on lumens. Lumens is the total luminous flux of a lamp in all directions.

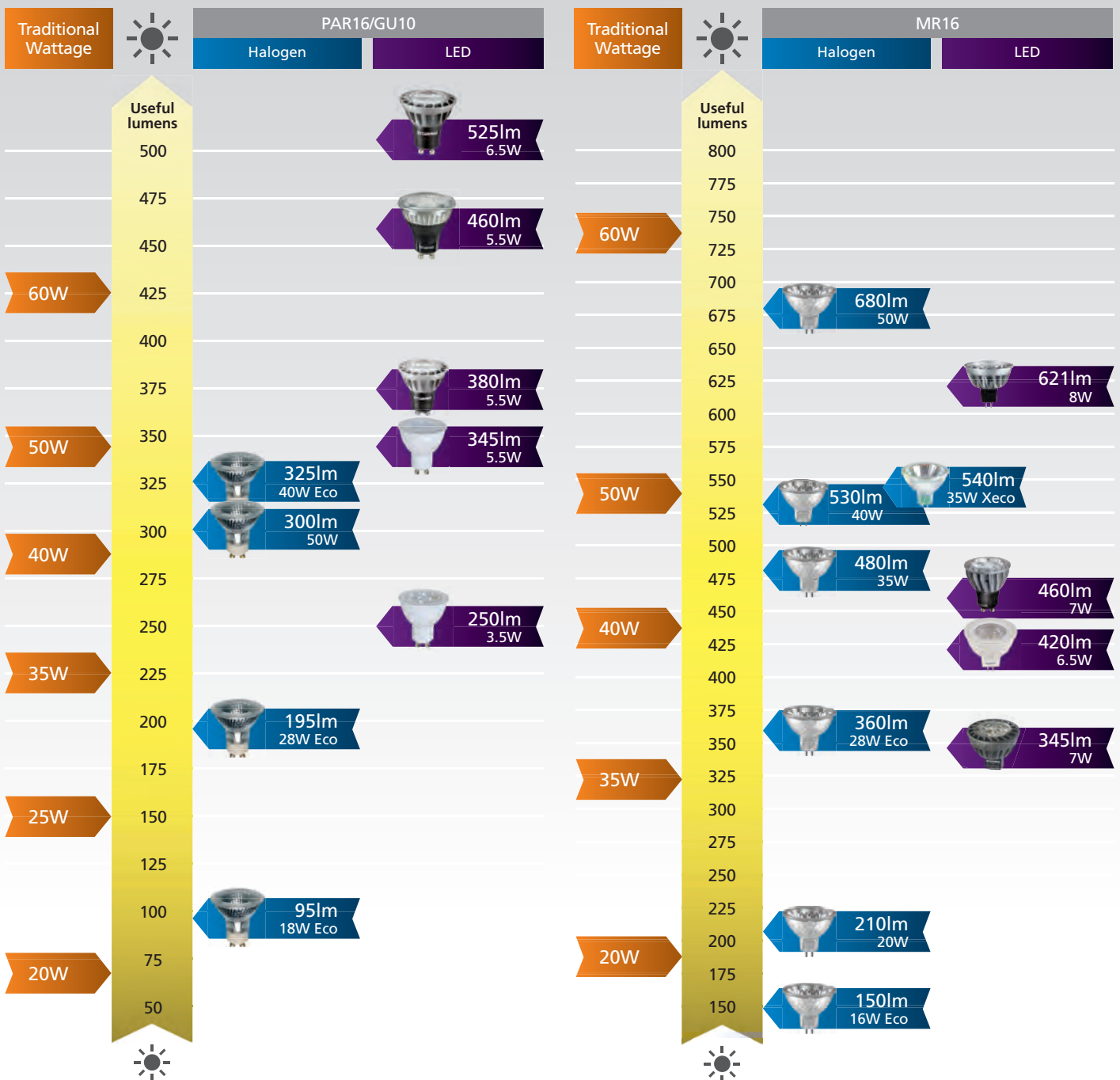
The higher the lumens the more light is generated by the lamp.





Directional Lamps

For directional lamps, we will be focusing on useful lumens. Useful lumens is the amount of luminous flux within a 90° cone in the forward facing direction of the lamp. This will tell you the amount of 'useful' light emitted from a directional light source.



*Equivalences and measures based on EU regulations.

Lamps are available in a wide range of shapes, sizes and technologies. The key lamp characteristics are highlighted below. Each lamp type has its own specific traits, so it's important to understand these in order to ensure you're choosing the right product for your needs.

Power in watt (W)

Watt is the unit of power and was used for incandescent lamps as an indication of their light output. Since modern energy saving lamps and LED lamps consume far less power to achieve the same brightness, the wattage is no longer as meaningful. The lumen value is now used to describe light output.

Lumens (lm)

The photometric unit of luminous flux. Luminous flux is the quantity of visible radiation emitted which is weighted to take into account the sensitivity of the human eye. There are two measures of lumens used:

- Lumens (non-directional lamps)
This is the total luminous flux of a lamp in all directions.
- Useful lumens (directional lamps)
This is the amount of luminous flux within a 90° cone in the forward facing direction of the lamp. This will tell you the amount of 'useful' light emitted from a directional light.

Candela (cd)

The unit of measurement for luminous intensity in a particular direction.

Instant light

A common issue with many compact fluorescent lamps is that full light output takes some time and occurs with a period of unpleasant light and switch delay. Instant light means the lamp illuminates within 1 second and achieves full light output within 60 seconds.

Colour temperature

An approximate indication of the colour impression created by a white light source. It describes how 'warm' or 'cool' the appearance of the light will be. The unit of measurement is degrees Kelvin. Sylvania lamps are offered in a range of colour temperatures from 2500K Candlelight, 2700K Homelight, similar to incandescent lamps, 3000K Warm white similar to Halogen, 4000K Cool white to 6500K Daylight.

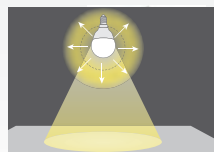
Watts to lumens examples non-directional lamps



Watts to lumens examples directional lamps



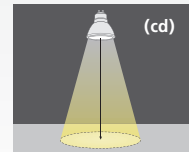
Lumens example (Non-directional lamps)



Lumens example (Directional lamps)



Candela example



Kelvins example

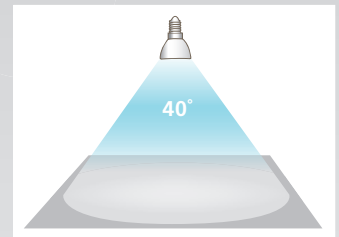
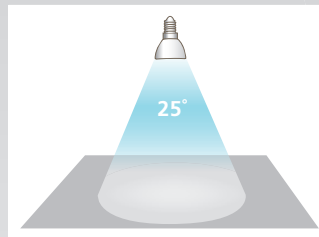




Beam angle

Indicates the width of the light beam from a directional light source. It can be thought of as an imaginary cone of light emitted from the front of the lamp and is defined as the angle at the point where luminous intensity has diminished to 50% of the candela intensity found at the centre beam. The beam angle is particularly important to understand how focussed or how diffuse you need your light to be when lighting a specific object or an open space.

Beam angle examples



Colour Rendering Index (CRI)

This is the ability of a lamp to reproduce the colours it is illuminating (maximum CRI = 100). The higher the CRI, the more accurate the quality of the colours of objects being lit.

CRI guide

CRI=70 (CFL)	CRI=80 (LED)	CRI=90+ (HALOGEN)
--------------	--------------	-------------------



Average rated life

For all technologies except LED, average rated life is based on 50% lifespan from a sample set of lamps. i.e 10000 hours will be the point at which 50% of lamps are still operating. For LED, life is defined on either 50% average rated life or 70% lumen maintenance which ever occurs first.

Lumen maintenance

Every lamp will gradually lose light output over life. The lumen maintenance will tell you how many percent of the original light is still generated at a given point in the lamps' life.

Dimmability

Most conventional dimmers have been designed for incandescent and halogen lamps and are rated for higher minimum loads than LED or CFL lamps consume. It is therefore important to ensure that the load applied to a dimmer matches at least the minimum load stated on the dimmer.

There may be some restrictions in terms of functionality of dimmers with individual LEDs/CFLs – but when more than one lamp is used to increase the total of loading, dimming becomes easier. It is also important not to overload a dimmer to its maximum load.

For further information on dimming and dimmer compatibility please visit www.havells-sylvania.com or contact your local Sylvania representative

For more information about lamps please go to the Glossary of terms section of the catalogue

Common base types



E14



E27



B22



GU10



GU5.3



G9

Guide to Sylvania packaging

As part of the ErP update requirements, we've improved the design of the packaging to ensure key purchase criteria is captured on front of pack, to make the design more attractive and to make the shelf easier to navigate, thus ensuring consumers make the right choice quickly and easily.



LED

KWh/1000h added to side or bottom of pack



Blister Packaging

The entire portfolio is available in sleeve or box, with a select range also available in blister for our retail customers.



Halogen




CFL

*2013 Sylvania Market Research: 300 consumers interviewed in Germany, France and UK.

All pages follow a similar format, making it easier for you to identify the information you require quickly. Generally, the page format will include the information detailed below:

- | | |
|--|--|
| <p>1 Colour tag</p> <p>2 Brand
Sylvania</p> <p>3 Product name</p> <p>4 Product Image</p> <p>5 Product features</p> | <p>6 Product icons / symbols
Please refer to Icons & symbols guide at the back of the catalogue for more information</p> <p>7 Ordering guide</p> <p>8 Photometric data and related information</p> <p>9 Dimensions (mm) and cap type</p> |
|--|--|

2



3


RefLED Superia ES50 V2.1 Dimmable

1

4

- High light output
 - 500lm 3,700K - 70W Halogen equivalent
 - 525lm 3,000K - 73W Halogen equivalent
 - 550lm 4,000K - 77W Halogen equivalent
- Low energy at only 6.5W= up to 85lm/W
- A+ Energy class
- Single point source ensuring precision lighting
- Coeff: AHC Technology - up to 25'000 Hours life even in enclosed fixtures
- New PureForm shape - matches the shape and size of a halogen lamp ensuring it can retrofit all luminaires
- High power factor - 0.8
- Made in Europe quality
- Dimmable on approved dimmers*
- 5 Year Warranty

5

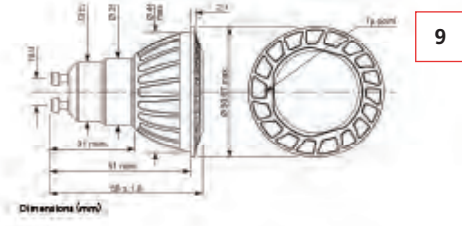
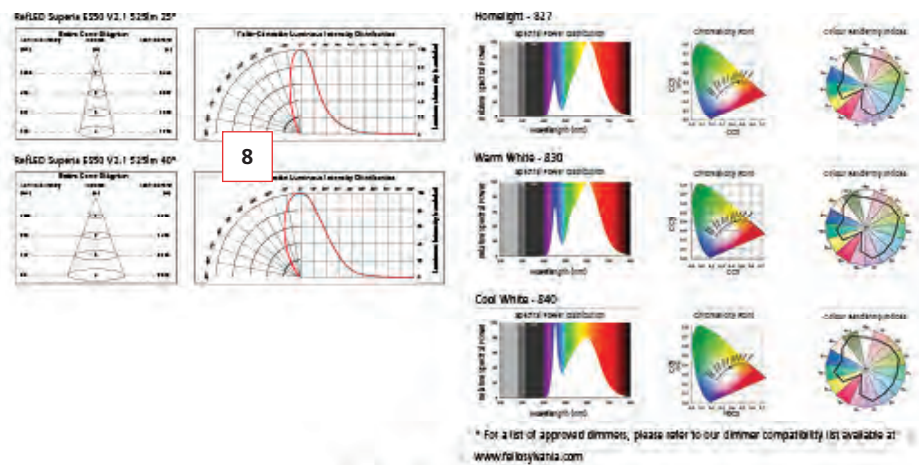


6

7

RefLED Superia ES50 V2.1 Dimmable

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026654	RefLED Superia ES50 V2.1 50Dim Dim 827 25°	6.5	220-240	25	GU10	2,700	1,900	500	25,000	15	A+
0026655	RefLED Superia ES50 V2.1 50Dim Dim 827 40°	6.5	220-240	40	GU10	2,700	1,050	500	25,000	15	A+
0026656	RefLED Superia ES50 V2.1 525Dim Dim 830 25°	6.5	220-240	25	GU10	3,000	2,000	525	25,000	15	A+
0026657	RefLED Superia ES50 V2.1 525Dim Dim 830 40°	6.5	220-240	40	GU10	3,000	1,100	525	25,000	15	A+
0026659	RefLED Superia ES50 V2.1 55Dim Dim 840 25°	6.5	220-240	25	GU10	4,000	2,100	550	25,000	15	A+
0026660	RefLED Superia ES50 V2.1 55Dim Dim 840 40°	6.5	220-240	40	GU10	4,000	1,150	550	25,000	15	A+





- 17 ToLEDo Retro
- 27 ToLEDo Retro Sylcone
- 28 ToLEDo GLS/ Ball/ Globe/ Candle
- 36 ToLEDo Outdoor Ball
- 37 RefLED Superia ES50 V2.1
- 40 RefLED + ES50 V2
- 43 RefLED ES50 V3
- 46 RefLED Retro ES50
- 47 RefLED PAR
- 48 RefLED Superia MR16
- 50 RefLED + MR16 V2
- 51 RefLED MR16 V3
- 52 RefLED Retro MR16
- 53 RefLED MR11
- 54 RefLED Superia AR111
- 55 RefLED Reflector R50/ R63/ R80
- 56 ToLEDo G9/ G4/ Pygmy
- 57 ToLEDo Micro-Lynx GX53
- 58 ToLEDo Striplight
- 59 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.

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.



ToLEDo Retro

The ToLEDo Retro range, is a complete series of A++ Energy rated lamps to replace traditional light sources. The new products have been designed to keep the look and feel of incandescent lamps while offering up to 90% energy savings.



RefLED+ ES50 V2

The Lux Review recommended RefLED+ ES50 V2 is a true retrofit replacement for a Halogen GU10 with the energy saving and long life benefits of LED technology. The lamp benefits from a unique Halogen faceted lens design – full front face lens with no heatsink visible from the front – ideal for use with any colour downlight.



ToLEDo Superia T8

The newly upgraded ToLEDo Superia T8 LED tube replaces its predecessor of plastic-constructed tubes with an innovative, glass body design. The entire range provides an immensely energy efficient solution coupling high lumen output and outstanding distribution of light.



WARRANTY

All lamps have a standard 2 year warranty but LED lamps have an extended warranty of 3 to 6 years which is highlighted on each page





GLS A60 Clear



GLS A60 Frosted

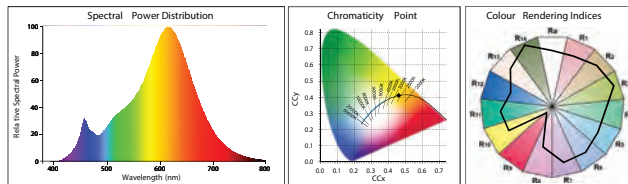


GLS Crown Silver

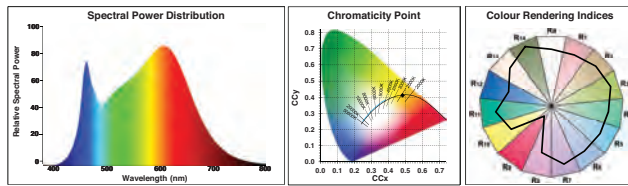
- Perfect for decorative and general lighting applications and creates a warm ambience similar to traditional lamps
- 300° omni-directional light distribution
- First lamp of its type to achieve A++ rating - up to 134 lm/W
- Suitable for replacement of up to 75W incandescent lamps
- Gives same sparkling light effect as incandescent lamp
- Up to 90% energy saving compared to incandescent lamps
- Dimensionally identical to incandescent lamps - fits all fixtures



Cool White

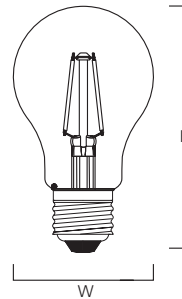


Homelight



Dimensions (mm)

A60 Lamp	E27	B22
H	105	103.5
W	60	60



ToLEDo Retro Non-Dimmable GLS

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
GLS A60 Clear									
0027160	ToLEDo RT A60 470lm E27 SL	4	220-240	E27	2700	470	15,000	6	A++
0027162	ToLEDo RT A60 470lm B22 SL	4	220-240	B22	2700	470	15,000	6	A++
0027163	ToLEDo RT A60 640lm E27 SL	5	220-240	E27	2700	640	15,000	6	A++
0027310	ToLEDo RT A60 806lm B22 SL	7	220-240	B22	2700	806	15,000	6	A++
0027312	ToLEDo RT A60 806lm E27 SL	7	220-240	B22	2700	806	15,000	6	A++
0027137	ToLEDo RT A60 1000lm E27 SL	7.5	220-240	E27	2700	1000	15,000	6	A++
GLS A60 Clear 4000K									
0027326	ToLEDo RT A60 470lm E27 SL	4	220-240	E27	4000	470	15,000	6	A++
0027328	ToLEDo RT A60 806lm E27 SL	7	220-240	E27	4000	806	15,000	6	A++
0027330	ToLEDo RT A60 1000lm E27 SL	7.5	220-240	E27	4000	1000	15,000	6	A++
GLS A60 Frosted									
0027154	ToLEDo RT A60 ST 470lm B22 SL	4	220-240	B22	2700	470	15,000	6	A++
0027156	ToLEDo RT A60 ST 470lm E27 SL	4	220-240	E27	2700	470	15,000	6	A++
0027129	ToLEDo RT A60 ST 806lm B22 SL	6	220-240	B22	2700	806	15,000	6	A++
0027131	ToLEDo RT A60 ST 806lm E27 SL	6	220-240	E27	2700	806	15,000	6	A++
GLS A60 Crown Silver									
0027157	ToLEDo RT CS A60 450lm E27 SL	4	220-240	E27	2700	450	15,000	6	A++
0027159	ToLEDo RT CS A60 450lm B22 SL	4	220-240	B22	2700	450	15,000	6	A++



GLS Clear



GLS Golden

- Perfect for decorative and general light applications that requires dimmable functionality and creates a warm ambiance similar to traditional lamps
- 300° omni-directional light distribution
- Suitable for replacement of up to 60W incandescent lamps
- Gives same sparkling light effect as incandescent lamp
- Up to 90% energy saving compared to incandescent lamps
- Candlelight creates a warm and relaxing atmosphere and converts everyday lighting into a unique experience
- 2200K is popular choice for both hospitality application and for general lighting as it gives perfect balance between illumination and dim-lit effect
- MagmaGlow is a perfect choice for creating a cosy ambiance for leisure and relaxation
- Combination of warm 1700K temperature, enhanced by golden glass cover and low lumen output recreates a dim-lit effect achieved by incandescent lamps and are a great choice as a mood setting lamp

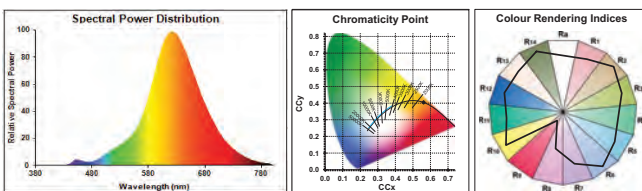


3 YEAR WARRANTY

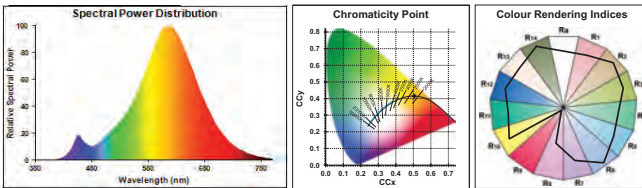
ToLEDo Retro Dimmable GLS

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
GLS A60 MagmaGlow - Golden									
0027110	ToLEDo RT Dim A60 GL 360lm B22 SL	5.5	220-240	B22	1700	360	15,000	6	A+
0027112	ToLEDo RT Dim A60 GL 360lm E27 SL	5.5	220-240	E27	1700	360	15,000	6	A+
GLS A60 Candlelight - Clear									
0027109	ToLEDo RT Dim A60 CL 560lm B22 SL	5.5	220-240	B22	2200	560	15,000	6	A++
0027150	ToLEDo RT Dim A60 CL 560lm E27 SL	5.5	220-240	E27	2200	560	15,000	6	A++
GLS A60 Homelight - Clear									
0027123	ToLEDo RT Dim A60 640LM B22 SL	5.5	220-240	B22	2700	640	15,000	6	A++
0027125	ToLEDo RT Dim A60 640LM E27 SL	5.5	220-240	E27	2700	640	15,000	6	A++
0027132	ToLEDo RT Dim A60 806LM B22 SL	7	220-240	B22	2700	806	15,000	6	A++
0027134	ToLEDo RT Dim A60 806LM E27 SL	7	220-240	E27	2700	806	15,000	6	A++

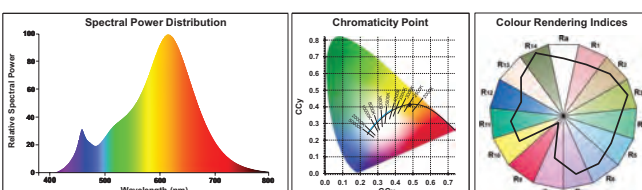
MagmaGlow



Candlelight

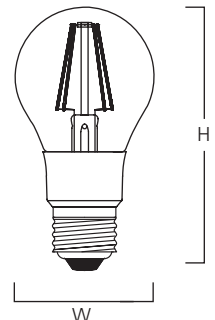


Homelight



Dimensions (mm)

A60 Lamp	E14	E27	B15	B22
H	-	114	-	113
W	-	60	-	60





Ball G45 Clear



Ball G45 Frosted

- Perfect for decorative and general lighting applications and creates a warm ambiance similar to traditional lamps
- 300° omni-directional light distribution
- First lamp of its type to achieve A++ rating - up to 133 lm/W
- Suitable for replacement of up to 40W incandescent lamps
- Gives same sparkling light effect as incandescent lamp
- Up to 90% energy saving compared to incandescent lamps
- Dimensionally identical to incandescent lamps - fits all fixtures

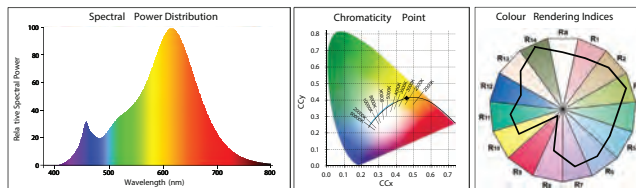


3 YEAR WARRANTY

ToLEDo Retro Non-Dimmable Ball

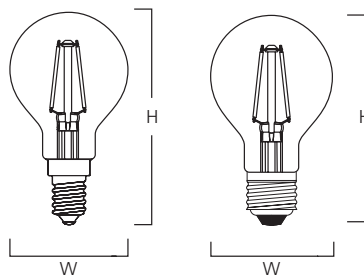
Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
G45 Clear									
0027236	ToLEDo RT Ball 250Lm B22 SL	2	220-240	B22	2700	250	15,000	6	A++
0027238	ToLEDo RT Ball 250Lm E14 SL	2	220-240	E14	2700	250	15,000	6	A++
0027240	ToLEDo RT Ball 250Lm E27 SL	2	220-240	E27	2700	250	15,000	6	A++
0027244	ToLEDo RT Ball 420Lm B22 SL	4	220-240	B22	2700	420	15,000	6	A++
0027246	ToLEDo RT Ball 420Lm E14 SL	4	220-240	E14	2700	420	15,000	6	A++
0027248	ToLEDo RT Ball 420Lm E27 SL	4	220-240	E27	2700	420	15,000	6	A++
G45 Frosted									
0027255	ToLEDo RT Ball ST 400lm B22 SL	4	220-240	B22	2700	400	15,000	6	A++
0027257	ToLEDo RT Ball ST 400lm E14 SL	4	220-240	E14	2700	400	15,000	6	A++
0027259	ToLEDo RT Ball ST 400lm E27 SL	4	220-240	E27	2700	400	15,000	6	A++

Homelight



Dimensions (mm)

Ball	E14	E27	B22
H	84	84	82.5
W	45	45	45



Ball E14

Ball



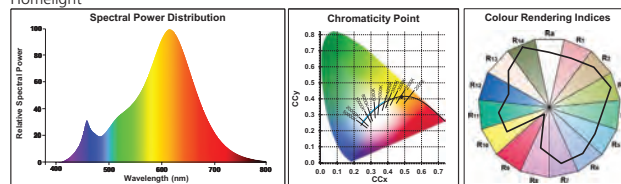
- Perfect for decorative and general light applications that requires dimmable functionality and creates a warm ambiance similar to traditional lamps
- 300° omni-directional light distribution
- Suitable for replacement of 40W incandescent lamps
- Gives same sparkling light effect as incandescent lamp
- 89% energy saving compared to incandescent lamps
- Environment friendly - no mercury and lower CO₂ emissions
- Dimmable on approved dimmers
- Specially designed snap-on decorative rings in metallic golden and silver finish to enhance lamp aesthetics



ToLEDo Retro Dimmable Ball

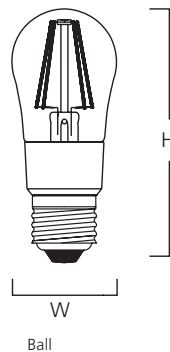
Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Ball G45 Homelight - Clear									
0027249	ToLEDo RT Dim Ball 470LM B22 SL	4.5	220-240	B22	2700	470	15,000	6	A++
0027250	ToLEDo RT Dim Ball 470LM E14 SL	4.5	220-240	E14	2700	470	15,000	6	A++
0027251	ToLEDo RT Dim Ball 470LM E27 SL	4.5	220-240	E27	2700	470	15,000	6	A++

Homelight



Dimensions (mm)

Ball Lamp	E14	E27	B15	B22
H	106	105	-	104
W	45	45	-	45





Globe G80



Globe G120

- Perfect for decorative and general lighting applications and creates a warm ambiance similar to traditional lamps
- 300° omni-directional light distribution
- First lamp of its type to achieve A++ rating - up to 133 lm/W
- Suitable for replacement of up to 75W incandescent lamps
- Gives same sparkling light effect as incandescent lamp
- Up to 90% energy saving compared to incandescent lamps
- Dimensionally identical to incandescent lamps - fits all fixtures



3 YEAR WARRANTY

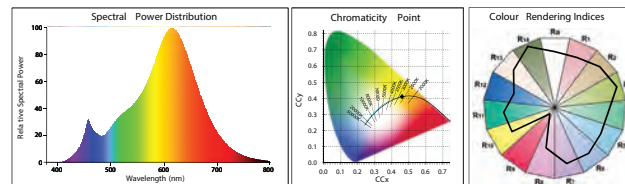
ToLEDo Retro Non-dimmable Globe G80

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0027170	ToLEDo RT G80 470lm E27 SL	4	220-240	E27	2700	470	15,000	6	A++
0027171	ToLEDo RT G80 470lm B22 SL	4	220-240	B22	2700	470	15,000	6	A++
0027173	ToLEDo RT G80 640lm E27 SL	5	220-240	E27	2700	640	15,000	6	A++
0027174	ToLEDo RT G80 640lm B22 SL	5	220-240	B22	2700	640	15,000	6	A++

ToLEDo Retro Non-dimmable Globe G120

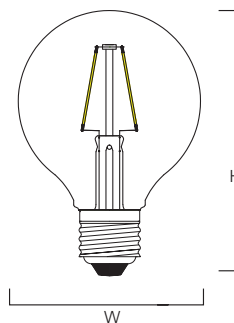
Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0027146	ToLEDo RT G120 1000lm B22 SL	7.5	220-240	B22	2700	1000	15,000	6	A++
0027147	ToLEDo RT G120 1000lm E27 SL	7.5	220-240	E27	2700	1000	15,000	6	A++

Homelight



Dimensions (mm)

Globe	E14	E27	B22
Globe G80mm	E14	E27	B22
H	-	115	113
W	-	80	80
Globe G120mm	E14	E27	B22
H	-	168	166
W	-	124	124





Candle Clear



Candle Frosted

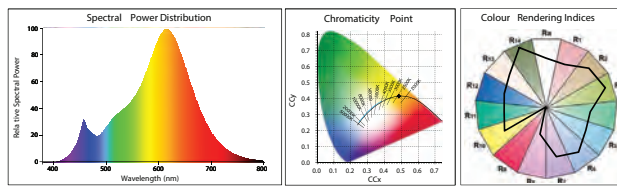


Candle Golden

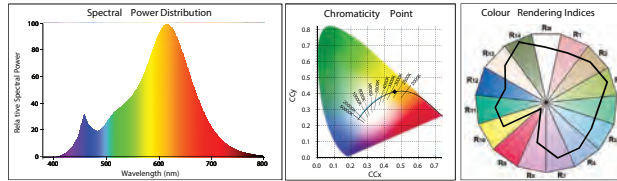
- Perfect for chandeliers
- Creates a warm ambience similar to traditional lamps
- 300° omni-directional light distribution
- Suitable for replacement of 25W and 40W incandescent candle lamps
- Gives same sparkling light effect as incandescent lamps
- Up to 92% energy saving compared to incandescent lamps
- Dimensionally identical to incandescent lamps - fits all fixtures
- Lumen efficacy of up to 125 lm/W



Homelight - 2400K



Homelight - 2700K

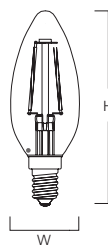


ToLEDo Retro Non-Dimmable Candle

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Candle C35 Clear									
0027180	ToLEDo RT Candle 250lm E14 SL	2	220-240	E14	2700	250	15,000	6	A++
0027182	ToLEDo RT Candle 250lm B22 SL	2	220-240	B22	2700	250	15,000	6	A++
0027280	ToLEDo RT Candle 420lm B22 SL	4	220-240	B22	2700	420	15,000	6	A++
0027282	ToLEDo RT Candle 420lm E14 SL	4	220-240	E14	2700	420	15,000	6	A++
0027284	ToLEDo RT Candle 420lm E27 SL	4	220-240	E27	2700	420	15,000	6	A++
Candle C35 Frosted									
0027285	ToLEDo RT Candle ST 400lm B22 SL	4	220-240	B22	2700	400	15,000	6	A++
0027287	ToLEDo RT Candle ST 400lm E14 SL	4	220-240	E14	2700	400	15,000	6	A++
0027289	ToLEDo RT Candle ST 400lm E27 SL	4	220-240	E27	2700	400	15,000	6	A++
Candle C35 Golden									
0027332	ToLEDo RT Candle GL 200lm E14 SL	2.3	220-240	E14	2400	200	15,000	6	A++
0027334	ToLEDo RT Candle GL 400lm E14 SL	3.9	220-240	E14	2400	400	15,000	6	A++

Dimensions (mm)

Candle	E14	E27	B22
H	99	92	90.5
W	35	35	35





Candle C35 Clear



Candle C35 Golden

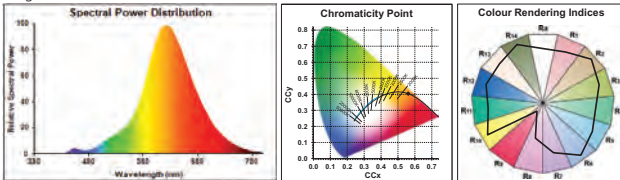
- Candlelight creates a warm and relaxing atmosphere and converts everyday lighting into a unique experience. 2200K is popular choice for both hospitality application and for general lighting as it gives perfect balance between illumination and dim-lit effect
- MagmaGlow is a perfect choice for creating a cosy ambiance for leisure and relaxation. Combination of warm 1700K temperature, enhanced by golden glass cover and low lumen output recreates a dim-lit effect achieved by incandescent lamps and are a great choice as a mood setting lamp
- Dimming functionality helps to vary lighting scene as lamps can be dimmed from 100% to 10% and reduces energy consumption as well
- Sparkling light output.
- Omni-directional light distribution
- Environment friendly - no mercury and lower CO2 emissions
- Dimmable on approved dimmers
- Specially designed snap-on decorative rings in metallic golden and silver finish to enhance lamp aesthetics
- Perfect for decorative and general lighting applications and creates a warm ambiance similar to traditional lamps



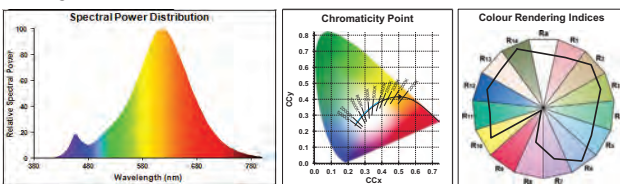
ToLEDo Retro Dimmable Candle

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Candle C35 MagmaGlow - Golden									
0027113	ToLEDo RT Dim Candle GL 260lm E14 SL	4.5	220-240	E14	1700	260	15,000	6	A+
0027115	ToLEDo RT Dim Candle GL 260lm B22 SL	4.5	220-240	B22	1700	260	15,000	6	A+
0027299	ToLEDo RT Dim Candle GL 260lm E27 SL	4.5	220-240	E27	1700	260	15,000	6	A+
0027305	ToLEDo RT Dim Candle GL 260lm B15 SL	4.5	220-240	B15	1700	260	15,000	6	A+
Candle C35 Candlelight - Clear									
0027295	ToLEDo RT Dim Candle CL 450lm B22 SL	4.5	220-240	B22	2200	450	15,000	6	A++
0027296	ToLEDo RT Dim Candle CL 450lm E14 SL	4.5	220-240	E14	2200	450	15,000	6	A++
0027297	ToLEDo RT Dim Candle CL 450lm E27 SL	4.5	220-240	E27	2200	450	15,000	6	A++
0027298	ToLEDo RT Dim Candle CL 450lm B15 SL	4.5	220-240	B15	2200	450	15,000	6	A++
Candle C35 Homelight - Clear									
0027290	ToLEDo RT Dim Candle 470lm B15 SL	4.5	220-240	B22	2700	470	15,000	6	A++
0027168	ToLEDo RT Dim Candle 470LM B22 SL	4.5	220-240	B15	2700	470	15,000	6	A++
0027292	ToLEDo RT Dim Candle 470LM E14 SL	4.5	220-240	E14	2700	470	15,000	6	A++
0027294	ToLEDo RT Dim Candle 470LM E27 SL	4.5	220-240	E27	2700	470	15,000	6	A++

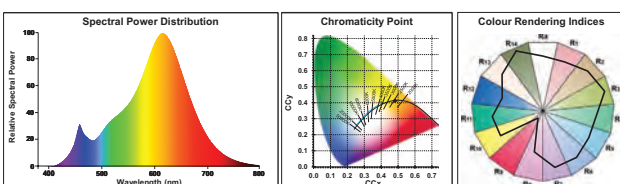
MagmaGlow



Candlelight

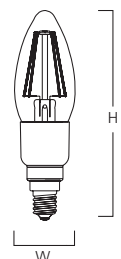


Homelight



Dimensions (mm)

Candle	E14	E27	B15	B22
H	117	114	116	113
W	35	35	35	35





Candle Twister

- Perfect for chandeliers
- Creates a warm ambiance similar to traditional lamps
- 300° omni-directional light distribution
- Suitable for replacement of 25W and 40W incandescent candle lamps
- Gives same sparkling light effect as incandescent lamps
- Up to 92% energy saving compared to incandescent lamps
- Dimensionally identical to incandescent lamps - fits all fixtures



Candle C35 Bent Tip

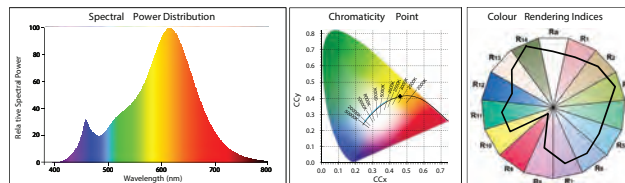
ToLEDo Retro Non-dimmable Candle TW35 Twister

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0027336	ToLEDo RT Candle TW 250lm E14 SL	2.3	220-240	E14	2700	250	15,000	6	A++
0027338	ToLEDo RT Candle TW 420lm E14 SL	3.9	220-240	E14	2700	420	15,000	6	A++

ToLEDo Retro Non-dimmable Candle C35 Bent Tip

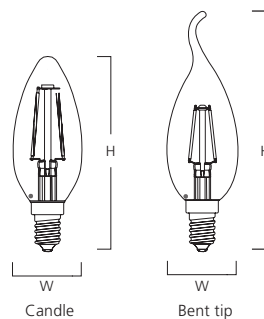
Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0027183	ToLEDo RT Candle Bent tip 250lm E14 SL	2	220-240	E14	2700	250	15,000	6	A++

Homelight



Dimensions (mm)

	E14	E27	B22
Candle Twister			
H	99	92	90.5
W	35	35	35
Candle Bent Tip			
H	120	-	-
W	35	-	-





ST64 Clear



ST64 Golden

- Perfect for decorative and general lighting applications and creates a warm ambiance similar to traditional lamps.
- 300° omni-directional light distribution
- Lumen efficacy of up to 118 lm/W
- Suitable for replacement of up to 75W incandescent lamps
- Gives same sparkling light effect as incandescent lamp
- Up to 90% energy saving compared to incandescent lamps
- Dimensionally identical to incandescent lamps - fits all fixtures

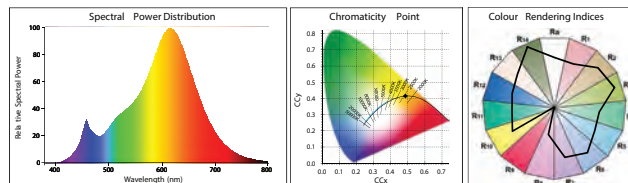


3 YEAR WARRANTY

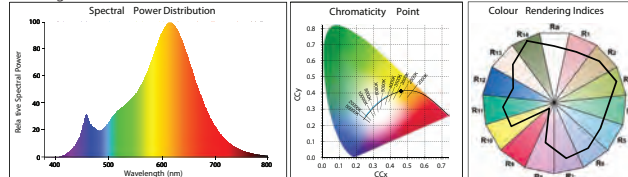
ToLEDo Retro Non-dimmable ST64

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
ST64 Clear									
0027175	ToLEDo RT ST64 CL 470lm E27 SL	4	220-240	E27	2700	470	15,000	6	A++
ST64 Golden									
0027177	ToLEDo RT ST64 Golden 400lm E27 SL	4	220-240	E27	2400	400	15,000	6	A++

Homelight - 2400K

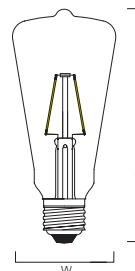


Homelight - 2700K



Dimensions (mm)

ST64 Lamp	E27
H	145
W	64



ST64



ST64 Clear



ST64 Golden

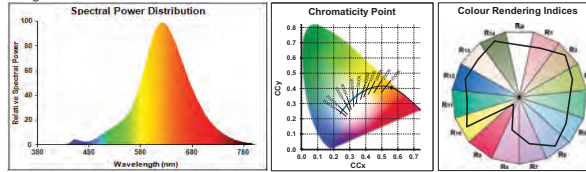


ST64 Magmaglow - Golden

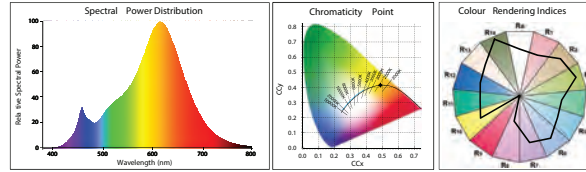
- Candlelight creates a warm and relaxing atmosphere and converts everyday lighting into a unique experience. 2200K is popular choice for both hospitality application and for general lighting as it gives perfect balance between illumination and dim-lit effect
- Dimming functionality helps to vary lighting scene as lamps can be dimmed from 100% to 10% and reduces energy consumption as well.
- Sparkling light output
- 300° omni-directional light distribution
- Environment friendly - no mercury and lower CO₂ emissions
- Dimmable on approved dimmers
- Specially designed snap-on decorative rings in metallic golden and silver finish to enhance lamp aesthetics
- Perfect for decorative and general lighting applications and creates a warm ambiance similar to traditional lamps



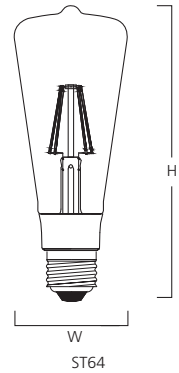
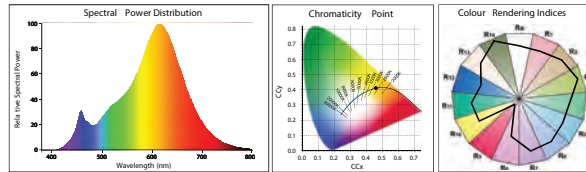
MagmaGlow



Homelight - 2400K



Homelight - 2700K



Dimensions (mm)

	ST64	E14	E27	B15	B22
H	-	165	-	164	-
W	-	64	-	64	-

ToLEDo Retro Dimmable ST64

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
ST64 Magmaglow - Golden									
0027110	ToLEDo RT Dim A60 GL 360lm B22 SL	5.5	220-240	B22	1700	360	15,000	6	A+
0027112	ToLEDo RT Dim A60 GL 360lm B22 SL	5.5	220-240	E27	1700	360	15,000	6	A+
ST64 Homelight - Golden									
0027167	ToLEDo RT Dim ST64 GL 560lm B22 SL	5.5	220-240	B22	2400	560	15,000	6	A++
0027178	ToLEDo RT Dim ST64 GL 560lm E27 SL	5.5	220-240	E27	2400	560	15,000	6	A++
ST64 Homelight - Clear									
0027166	ToLEDo RT DIM ST64 640LM B22 SL	5.5	220-240	B22	2700	640	15,000	6	A++
0027176	ToLEDo RT DIM ST64 640LM E27 SL	5.5	220-240	E27	2700	640	15,000	6	A++



Ring Golden



Ring Silver

ToLEDo Retro Decorative Ring

Code	Description	Lamp	Base	Colour	Packing Qty
Golden Ring					
0027320	ToLEDo RT Ring E14/B15 Golden B/C	Ball/Candle	E14/B15	Golden	6
0027321	ToLEDo RT Ring E27/B22 Golden B/C	Ball/Candle	E27/B22	Golden	6
0027322	ToLEDo RT Ring E27/B22 Golden A/ST	A60/ST64	E27/B22	Golden	6
Silver Ring					
0027323	ToLEDo RT Ring E14/B15 Silver B/C	Ball/Candle	E14/B15	Silver	6
0027324	ToLEDo RT Ring E27/B22 Silver B/C	Ball/Candle	E27/B22	Silver	6
0027325	ToLEDo RT Ring E27/B22 Silver A/ST	A60/ST64	E27/B22	Silver	6



GA200



DC200

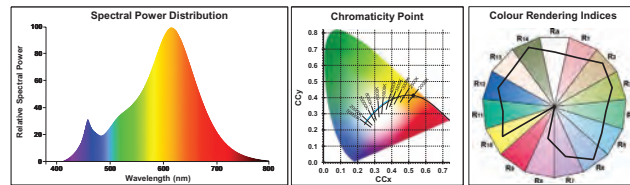


GX200

- Unique hand blown glass lamps available in 3 designs
- Combines contemporary aesthetics and innovative LED filament chip technology (FCT) to create popular retro look and warm ambiance similar to traditional lamps.
- Colour temperature of 2000K replicates warm glow effect of incandescent lighting
- Dimmable on approved dimmers - allows end user to create perfect ambient lighting
- High lumen efficacy of 104lm/W
- Environment friendly - no mercury and lower CO2 emissions
- Energy Class: A++
- A range of fittings specifically designed to enhance the aesthetic of the product (only glass and metal visible) are available separately



3 YEAR WARRANTY

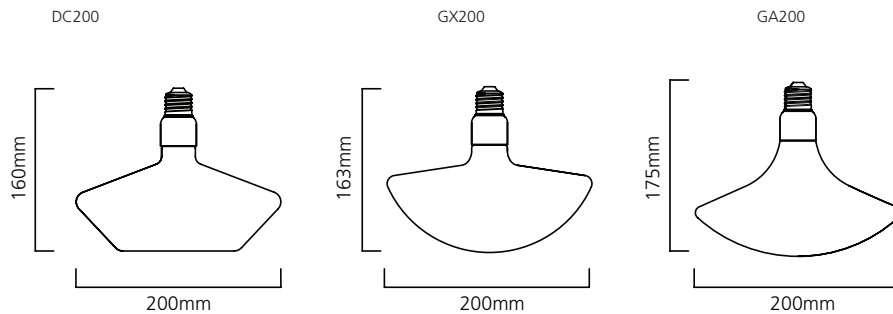


ToLEDo Retro Dimmable

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Sylcone 200mm Golden									
0027117	ToLEDo Retro Sylcone GA200	4.5	220-240	E27	2000	470	15,000	2	A++
0027118	ToLEDo Retro Sylcone DC200	4.5	220-240	E27	2000	470	15,000	2	A++
0027119	ToLEDo Retro Sylcone GX200	4.5	220-240	E27	2000	470	15,000	2	A++

Dimensions (mm)

GA200	E27
H	175
W	200
DC200	E27
H	160
W	200
GX200	E27
H	163
W	200





ToLEDo GLS A60 E27



ToLEDo GLS A67 E27

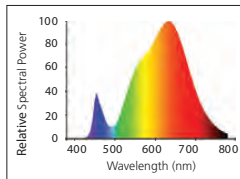
- Compact and elegant design
- Up to 85% energy saving compared to incandescent lamps
- Instant light at the flick of a switch
- Suitable for replacement of up to 100W incandescent lamps
- Uniform light distribution
- Available in different colour temperatures - 2700K, 4000K and 6500K.
- Good colour rendering (CRI 80+)



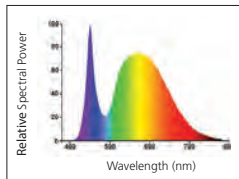
ToLEDo V3 Non Dimmable GLS

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026670	ToLEDo GLS 470lm 827 E27	7	220-240	E27	2700	470	15,000	6	A+
0026674	ToLEDo GLS 470lm 827 B22	7	220-240	B22	2700	470	15,000	6	A+
0026628	ToLEDo GLS 470lm 865 E27	7	220-240	E27	2700	470	15,000	6	A+
0026672	ToLEDo GLS 810lm 827 E27	10	220-240	E27	2700	810	15,000	6	A+
0026675	ToLEDo GLS 810lm 827 B22	10	220-240	B22	2700	810	15,000	6	A+
0026668	ToLEDo GLS 850lm 840 E27	10	220-240	E27	2700	850	15,000	6	A+
0026629	ToLEDo GLS 850lm 865 E27	10	220-240	E27	4000	850	15,000	6	A+
0026682	ToLEDo GLS 1060lm 827 E27	11	220-240	E27	2700	1060	15,000	6	A+
0026686	ToLEDo GLS 1150lm 840 E27	11	220-240	E27	4000	1150	15,000	6	A+
0026632	ToLEDo GLS 1150lm 865 E27	11	220-240	E27	6500	1150	15,000	6	A+
0026679	ToLEDo GLS 1421lm 827 E27	16	220-240	E27	2700	1421	15,000	6	A+
0026652	ToLEDo GLS 1521lm 840 E27	16	220-240	E27	4000	1521	15,000	6	A+

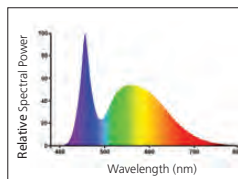
LED Homelight - 827



LED - Coolwhite 840

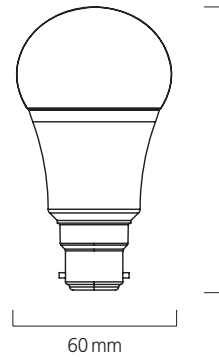
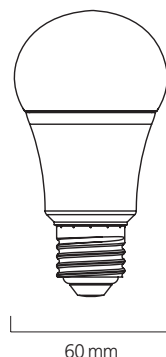
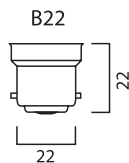


LED - Coolwhite 865



Dimensions (mm)

	7W	10W	11W	16W
B22				
H	107	107	-	-
W	60	60	-	-
E27				
H	-	109	78	-
W	-	60	60	66



Dimensions (mm)



ToLEDo GLS A60



ToLEDo GLS A67

- Compact and elegant design
- Up to 85% energy saving compared to incandescent lamps
- Instant light at the flick of a switch
- Suitable for replacement of up to 100W incandescent lamps
- Uniform light distribution
- Available in different colour temperatures - 2700K and 6500K
- Good colour rendering (CRI 80+)

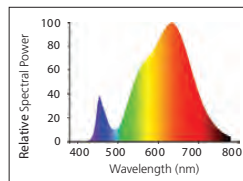


3 YEAR WARRANTY

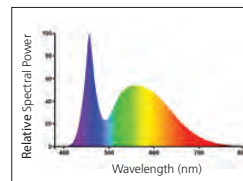
ToLEDo V3 Dimmable GLS

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026676	ToLEDo GLS Dim 810LM 827 E27	10	220-240	E27	2700	810	25,000	6	A+
0026677	ToLEDo GLS Dim 810LM 827 B22	10	220-240	B22	2700	810	25,000	6	A+
0026683	ToLEDo GLS Dim 1060LM 827 E27	11	220-240	E27	2700	1060	25,000	6	A+
0026627	ToLEDo GLS Dim 1150LM 865 E27	11	220-240	E27	6500	1150	25,000	6	A+
0026648	ToLEDo GLS Dim 1521LM 827 E27	16	220-240	E27	2700	1521	25,000	6	A+

LED Homelight - 827

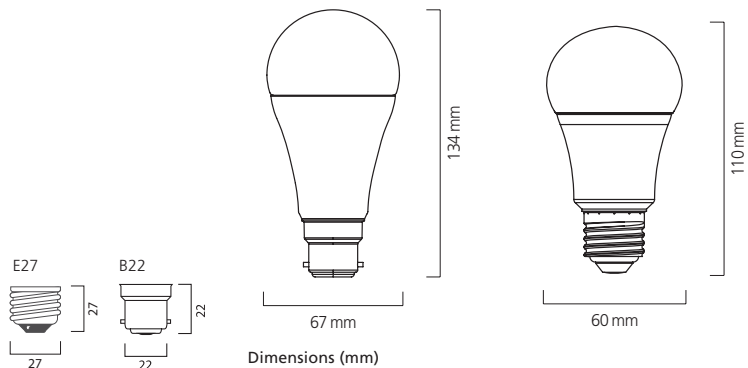


LED - Coolwhite 865



Dimensions (mm)

	7W	10W	11W	16W
B22				
H	107	107	-	-
W	60	60	-	-
E27				
H	-	109	109	140
W	-	60	60	66



*For full list of compatible transformers and dimmers, please visit www.feilosylvania.com

ToLEDo V3 Non Dimmable Ball



- Elegant and compact design
- Up to 86% energy saving compared to incandescent lamps
- Instant light at the flick of a switch
- Suitable for replacement of 25W and 40W incandescent lamps
- Available in different colour temperatures - 2700K and 6500K.
- Good colour rendering (CRI 80+)

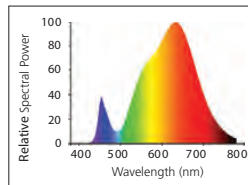


3 YEAR WARRANTY

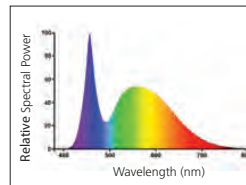
ToLEDo V3 Non Dimmable Ball

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026950	ToLEDo Ball FR 250lm 827 E14	3.2	220-240	E14	2700	250	15,000	6	A+
0026949	ToLEDo Ball FR 250lm 827 E27	3.2	220-240	E27	2700	250	15,000	6	A+
0026954	ToLEDo Ball FR 470lm 827 E14	5.5	220-240	E14	2700	470	15,000	6	A+
0026955	ToLEDo Ball FR 470lm 827 B22	5.5	220-240	B22	2700	470	15,000	6	A+
0026948	ToLEDo Ball FR 470lm 827 E27	5.5	220-240	E27	2700	470	15,000	6	A+
0026976	ToLEDo Ball FR 470lm 865 E14	5.5	220-240	E14	6500	470	15,000	6	A+
0026977	ToLEDo Ball FR 470lm 865 E27	5.5	220-240	E27	6500	470	15,000	6	A+

LED - Homelight 827

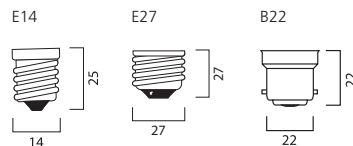


LED - Coolwhite 865



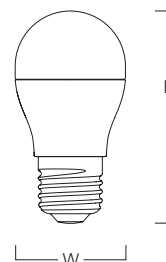
Dimensions (mm)

	3.2W	5.5W	6W	6.2W
E14				
H	79	81	-	89
W	45	45	-	45
B22				
H	-	-	77	-
W	-	-	45	-
E27				
H	74	78	-	87
W	45	45	-	45



Dimensions (mm)

ToLEDo Ball



*For full list of compatible transformers and dimmers, please visit www.sylvania-lamps.com



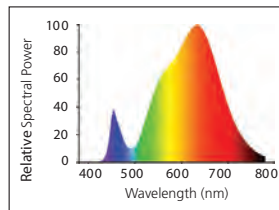
- Elegant and compact design
- Up to 86% energy saving compared to incandescent lamps
- Instant light at the flick of a switch
- Suitable for replacement of 25W and 40W incandescent lamps
- Available in different colour temperatures - 2700K and 6500K
- Good colour rendering (CRI 80+)



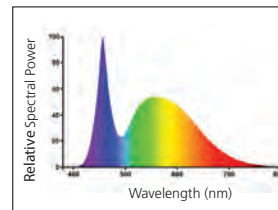
ToLEDo V3 Dimmable Ball

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026946	ToLEDo Ball Dim FR 470lm 827 E14	6.2	220-240	E14	2700	470	25,000	6	A+
0026947	ToLEDo Ball Dim FR 470lm 827 E27	6.2	220-240	E27	2700	470	25,000	6	A+
0026974	ToLEDo Ball Dim FR 470lm 865 E14	6.2	220-240	E14	6500	470	25,000	6	A+
0026975	ToLEDo Ball Dim FR 470lm 865 E27	6.2	220-240	E27	6500	470	25,000	6	A+

LED - Homelight 827



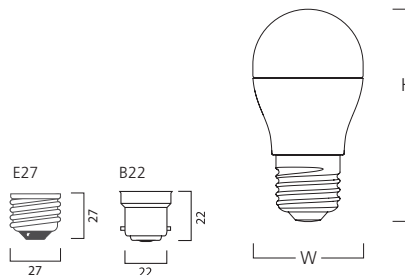
LED - Coolwhite 865



Dimensions (mm)

B22	7W	10W	11W	16W
H	107	107	-	-
W	60	60	-	-

E27	7W	10W	11W	16W
H	-	109	109	140
W	-	60	60	66



*For full list of compatible transformers and dimmers, please visit www.feilosylvania.com

ToLEDo Non-dimmable Globe



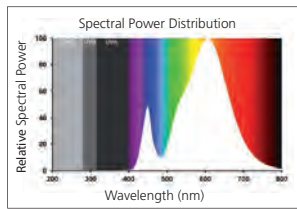
- Up to 80% energy saving compared to incandescent lamps
- Instant light
- 100% retrofit - Same dimensions as incandescent equivalent
- Suitable for replacement of up to 60W incandescent lamps
- Available in Homelight (2700K)
- Good colour rendering (CRI 80+)
- Average rated life up to 15,000 hrs



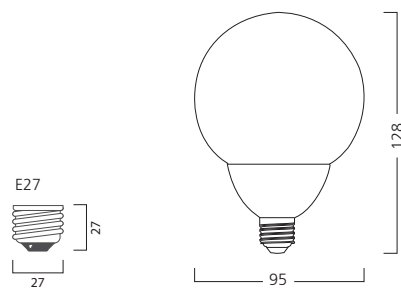
ToLEDo Non-dimmable Globe

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026911	ToLEDo Globe G9	9.5	220-240	E27	2700	806	15,000	6	A

Homelight 827



Toledo Globe G120



Dimensions (mm)



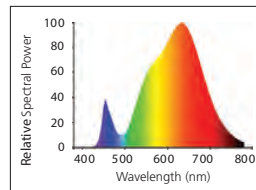
- Elegant and compact design.
- Up to 86% energy saving compared to incandescent lamps
- Instant light at the flick of a switch
- Suitable for replacement of 25W and 40W incandescent lamps
- Available in different colour temperatures - 2700K and 6500K
- Good colour rendering (CRI 80+)
- Bent tip shape to help create flame look finish



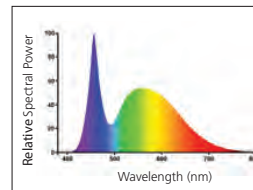
ToLEDo V3 Non Dimmable Candle

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026920	ToLEDo Candle FR 250lm 827 E14	3.2	220-240	E14	2700	250	15,000	6	A+
0026972	ToLEDo Candle FR 250lm 865 E14	3.2	220-240	E14	2700	250	15,000	6	A+
0026931	ToLEDo Candle FR 470lm 827 E14	5.5	220-240	E14	2700	470	15,000	6	A+
0026932	ToLEDo Candle FR 470lm 827 B22	5.5	220-240	B22	2700	470	15,000	6	A+
0026933	ToLEDo Candle FR 470lm 827 E27	5.5	220-240	E27	2700	470	15,000	6	A+
0026973	ToLEDo Candle FR 470lm 865 E14	5.5	220-240	E14	6500	470	15,000	6	A+

LED-Homelight 827

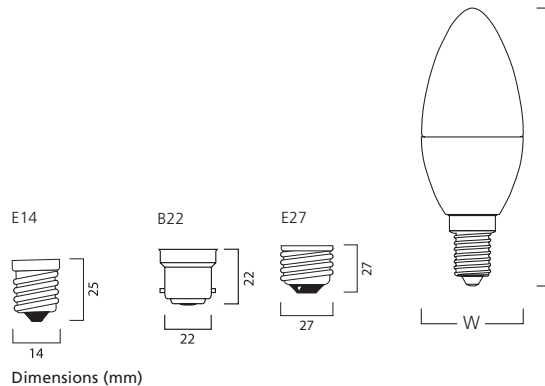


LED - Coolwhite 865



Dimensions (mm)

	3.2W	5.5W	6.2W
E27			
H	-	108	-
W	-	38	-
E14			
H	102	110	112
W	35	38	38
B22			
H	-	108	-
W	-	38	-



ToLEDo V3 Dimmable Candle



- Elegant and compact design.
- Up to 86% energy saving compared to incandescent lamps
- Instant light at the flick of a switch
- Suitable for replacement of 25W and 40W incandescent lamps
- Available in different colour temperatures - 2700K and 6500K
- Good colour rendering (CRI 80+)

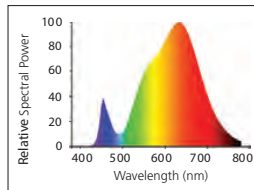


3 YEAR WARRANTY

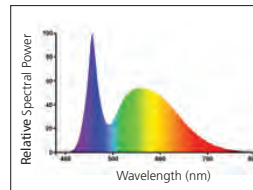
ToLEDo V3 Dimmable Candle

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026935	ToLEDo Candle Dim FR 470lm 827 E14	6.2	220-240	E14	2700	470	25,000	6	A+
0026971	ToLEDo Candle Dim FR 470lm 865 E14	6.2	220-240	E14	6500	470	25,000	6	A+

LED - Homelight 827

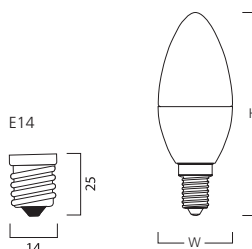


LED - Coolwhite 865



Dimensions (mm)

	3.2W	5.5W	6.2W
H	102	110	112
W	35	38	38





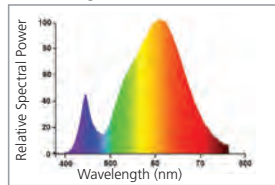
- Elegant and compact design.
- Up to 86% energy saving compared to incandescent lamps
- Instant light at the flick of a switch
- Suitable for replacement of 25W and 40W incandescent lamps
- Available in different colour temperatures - 2700K
- Good colour rendering (CRI 80+)
- Bent tip shape to help create flame look finish



ToLEDo Non-dimmable Bent Tip Candle

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026937	ToLEDo Bent Tip FR 250lm 827 E14	3.2	220-240	E14	2700	250	15,000	6	A+
0026939	ToLEDo Bent Tip FR 470lm 827 E14	5.5	220-240	E14	2700	470	15,000	6	A+

LED-Homelight 827

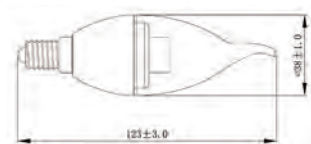


Dimensions (mm)

Candle	E14 3.2W	E14 5.5W
H	120	131
W	35	38



ToLEDo Candle Bent Tip



Dimensions (mm)

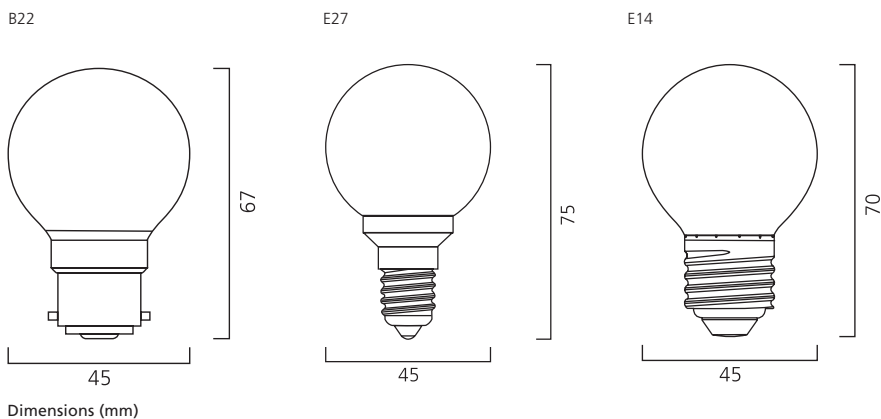


- Ideal for festoon lighting and festive Christmas decorations
- Instant light at the flick of a switch
- Suitable for replacement of up to 25W incandescent lamps
- Uniform light distribution
- Available in different colors: yellow, red, orange, white, green and blue and available in all caps types B22, E27 and E14
- Average rated life 25,000 hrs
- Pack in individual boxes



ToLEDo Outdoor Ball

Code	Description	Watt (W)	Voltage (V)	Base	Colour	Average Rated Life (Hrs)	Packing Qty	Energy Class
B22 base								
0026880	ToLEDo Ball IP44 Blue B22 SL	0.5	220-240	B22	Blue	25,000	10	-
0026881	ToLEDo Ball IP44 Green B22 SL	0.5	220-240	B22	Green	25,000	10	-
0026882	ToLEDo Ball IP44 Red B22 SL	0.5	220-240	B22	Red	25,000	10	-
0026883	ToLEDo Ball IP44 Cool White B22 SL	0.5	220-240	B22	Cool White	25,000	10	-
0026884	ToLEDo Ball IP44 Yellow B22 SL	0.5	220-240	B22	Yellow	25,000	10	-
0026895	ToLEDo Ball IP44 Orange B22 SL	0.5	220-240	B22	Orange	25,000	10	-
E27 base								
0026885	ToLEDo Ball IP44 Blue E27 SL	0.5	220-240	E27	Blue	25,000	10	-
0026886	ToLEDo Ball IP44 Green E27 SL	0.5	220-240	E27	Green	25,000	10	-
0026887	ToLEDo Ball IP44 Red E27 SL	0.5	220-240	E27	Red	25,000	10	-
0026888	ToLEDo Ball IP44 Cool White E27 SL	0.5	220-240	E27	Cool White	25,000	10	-
0026889	ToLEDo Ball IP44 Yellow E27 SL	0.5	220-240	E27	Yellow	25,000	10	-
0026896	ToLEDo Ball IP44 Orange E27 SL	0.5	220-240	E27	Orange	25,000	10	-
E14 base								
0026890	ToLEDo Ball IP44 Blue E14 SL	0.5	220-240	E14	Blue	25,000	10	-
0026891	ToLEDo Ball IP44 Green E14 SL	0.5	220-240	E14	Green	25,000	10	-
0026892	ToLEDo Ball IP44 Red E14 SL	0.5	220-240	E14	Red	25,000	10	-
0026893	ToLEDo Ball IP44 Cool White E14 SL	0.5	220-240	E14	Cool White	25,000	10	-
0026894	ToLEDo Ball IP44 Yellow E14 SL	0.5	220-240	E14	Yellow	25,000	10	-
0026897	ToLEDo Ball IP44 Orange E14 SL	0.5	220-240	E14	Orange	25,000	10	-





- High light output
 - 2,700K - 380lm = 55W Halogen GU10
 - 3,000K - 400lm = 57W Halogen GU10
 - 4,000K - 420lm = 60W Halogen GU10
- 50'000 Hours average life in open fixtures
- Coolfit – up to 25,000 hours in enclosed fixtures
- Low energy – 5.5W = 68Lm/W – A+ Energy Class
- PureForm – matches size and shape of halogen GU10 lamp
- High power factor – 0.9
- Single LED emitter – precise light with uniform beam
- Made in Europe quality – 6 year warranty

universal  

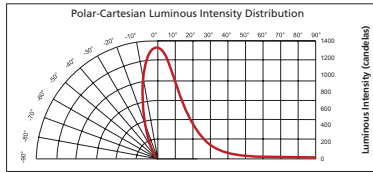
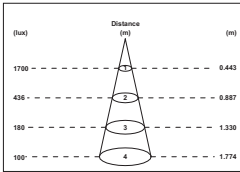
PureForm 

2700K 3000K 4000K

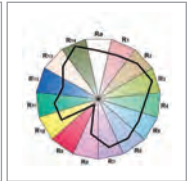
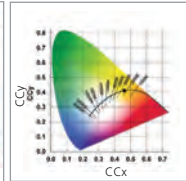
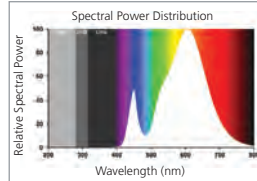
RefLED Superia ES50 V2.1

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temp (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026620	RefLED Superia ES50 380Lm 2700K 25°	5.5	100-240	25	GU10	2700	1375	380	50,000	15	A+
0026621	RefLED Superia ES50 380Lm 2700K 40°	5.5	100-240	40	GU10	2700	700	380	50,000	15	A+
0026622	RefLED Superia ES50 400Lm 3000K 25°	5.5	100-240	25	GU10	3000	1450	400	50,000	15	A+
0026623	RefLED Superia ES50 400Lm 3000K 40°	5.5	100-240	40	GU10	3000	750	400	50,000	15	A+
0026624	RefLED Superia ES50 420Lm 4000K 25°	5.5	100-240	25	GU10	4000	1525	420	50,000	15	A+
0026625	RefLED Superia ES50 420Lm 4000K 40°	5.5	100-240	40	GU10	4000	775	420	50,000	15	A+

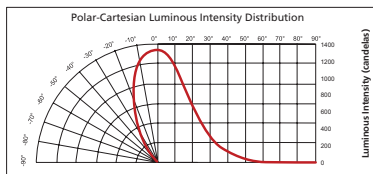
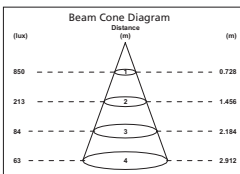
RefLED Superia ES50 V2 380lm 25°



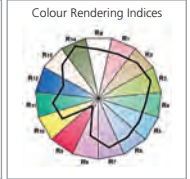
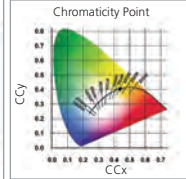
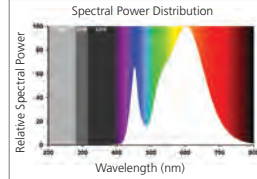
Homelight - 827



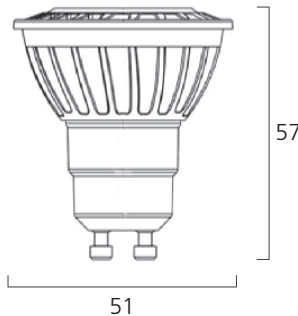
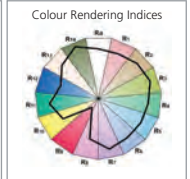
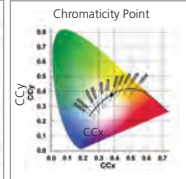
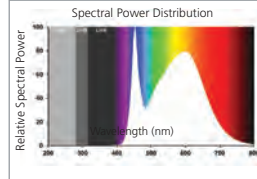
RefLED Superia ES50 V2 380lm 40°



Warm White - 830



Cool White - 840



Dimensions (mm)

RefLED Superia ES50 V2.1 Dimmable



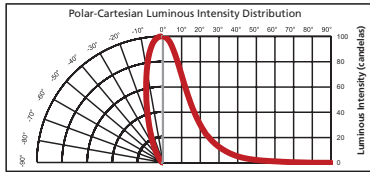
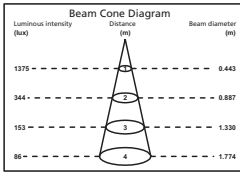
- High light output
 - 2,700K - 380lm = 55W Halogen GU10
 - 3,000K - 400lm = 57W Halogen GU10
 - 4,000K - 420lm = 60W Halogen GU10
- Low energy – 6W
- Energy class A+
- 25,000 hours average life even in enclosed fixtures thanks to Coolfit Technology
- PureForm – matches size and shape of halogen GU10 lamp
- Dimmable on approved dimmers*
- mCOB LED design for stunning colour uniformity
- High power factor – 0.8
- Made in Europe quality – 5 year warranty



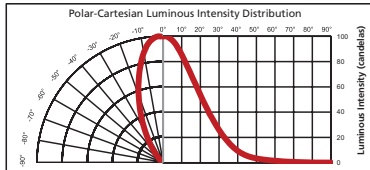
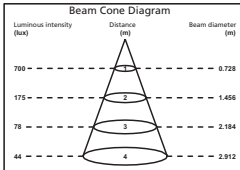
RefLED Superia ES50 V2.1 Dimmable

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temp (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026639	RefLED Superia ES50 V2.1 380Lm Dim 2700K 25d	6.0	220-240	25	GU10	2700	1375	380	25,000	15	A+
0026640	RefLED Superia ES50 V2.1 380Lm Dim 2700K 40d	6.0	220-240	40	GU10	2700	700	380	25,000	15	A+
0026641	RefLED Superia ES50 V2.1 400Lm Dim 3000K 25d	6.0	220-240	25	GU10	3000	1450	400	25,000	15	A+
0026642	RefLED Superia ES50 V2.1 400Lm Dim 3000K 40d	6.0	220-240	40	GU10	3000	750	400	25,000	15	A+
0026644	RefLED Superia ES50 V2.1 420Lm Dim 4000K 25d	6.0	220-240	25	GU10	4000	1525	420	25,000	15	A+
0026645	RefLED Superia ES50 V2.1 420Lm Dim 4000K 40d	6.0	220-240	40	GU10	4000	775	420	25,000	15	A+

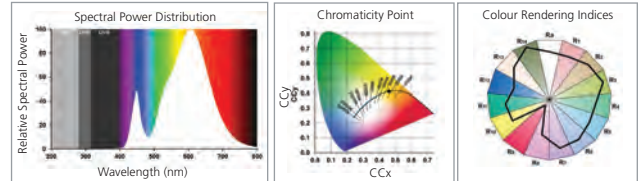
RefLED Superia ES50 V2.1 380lm 25°



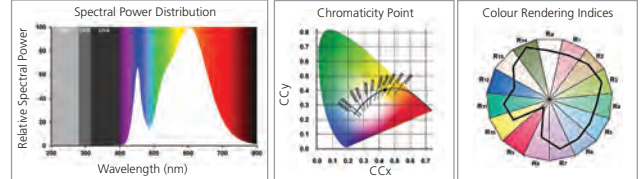
RefLED Superia ES50 V2.1 380lm 40°



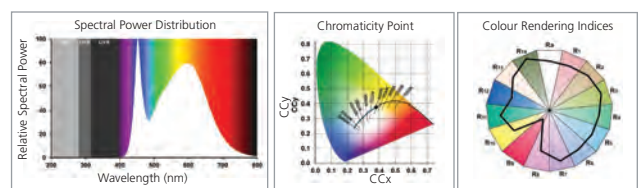
Homelight - 827



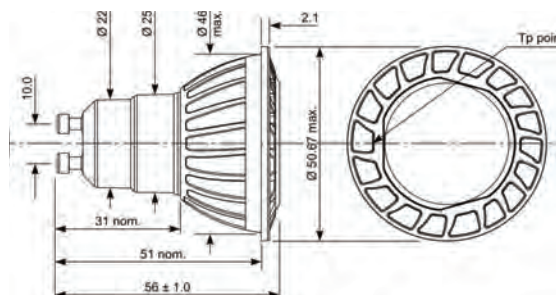
Warm White - 830



Cool White - 840



* For a list of approved dimmers, please refer to our dimmer compatibility list available at www.feilosylvania.com



Dimensions (mm)

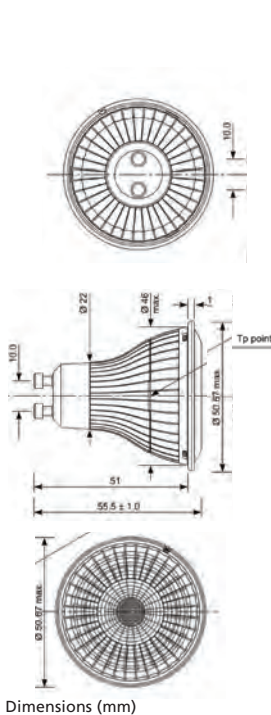


- High light output
 - 360Lm = 52W Halogen GU10 Equivalent
 - 370Lm = 53W Halogen GU10 equivalent
 - 380Lm = 55W Halogen GU10 equivalent
- PureForm shape – matches the shape and size of a halogen lamp ensuring it can retrofit all luminaires
- Unique Halogen faceted lens design – full front face lens with no heatsink visible from the front – ideal for use with any colour downlight
- Available in 2700K, 3000K and 4000K - offering customers a choice of light colour to suit their needs
- 25,000 hours Life
- Low energy – A+ Energy efficiency
- Made in Europe Quality
- 3 Year Warranty

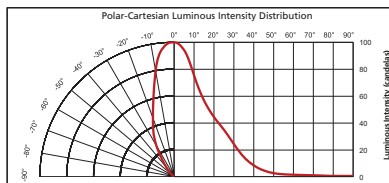
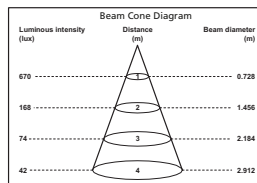


RefLED+ ES50 V2

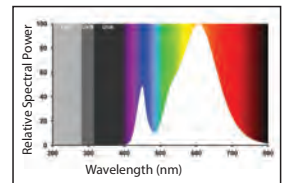
Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temp (K)	Candela	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026813	RefLED+ ES50 V2 360Lm 2700K 40°	5	220-240	40	GU10	2700	670	360	25,000	15	A+
0026814	RefLED+ ES50 V2 370Lm 3000K 40°	5	220-240	40	GU10	3000	700	370	25,000	15	A+
0026815	RefLED+ ES50 V2 380Lm 4000K 40°	5	220-240	40	GU10	4000	745	380	25,000	15	A+



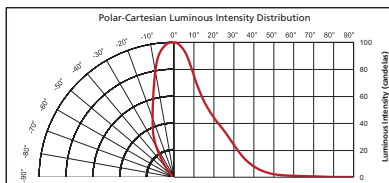
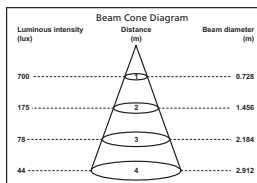
RefLED+ ES50 V2 5W 360lm 40°



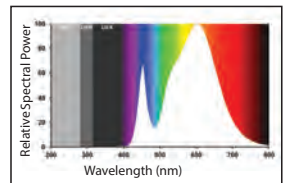
Homelight - 827



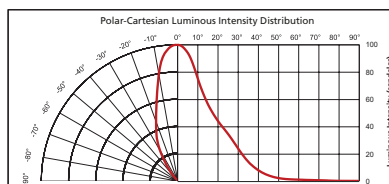
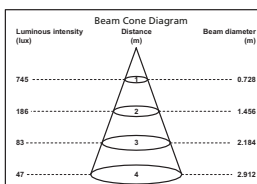
RefLED+ ES50 V2 5W 370lm 40°



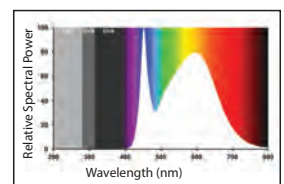
Warm white - 830



RefLED+ ES50 V2 5W 380lm 40°



Cool white - 840



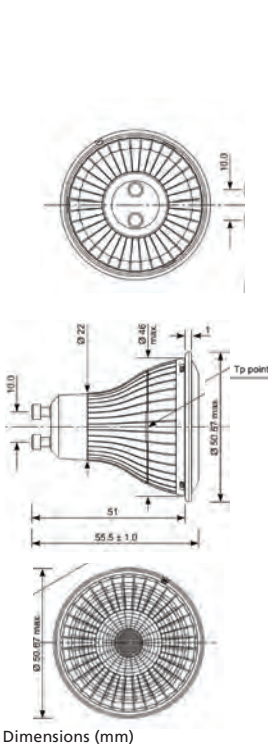


- High light output
 - 360lm = 52W Halogen GU10 equivalent
 - 370lm = 53W Halogen GU10 equivalent
 - 380lm = 55W halogen GU10 equivalent
 - 445lm = 63W halogen GU10 equivalent
 - 460lm = 65W Halogen GU10 equivalent
 - 475lm = 67W Halogen GU10 equivalent
- PureFrom shape – matches the shape and size of a halogen lamp ensuring it can retrofit all luminaires
- Unique Halogen faceted lens design – full front face lens with no heatsink visible from the front – ideal for use with any colour downlight
- Available in 2700K, 3000K and 4000K - offering customers a choice of light colour to suit their needs
- Dimmable on approved dimmers*
- 25,000 hours Life
- Low energy – A+ Energy efficiency
- Made in Europe Quality
- 3 Year Warranty

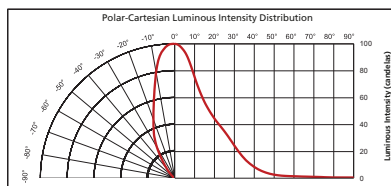
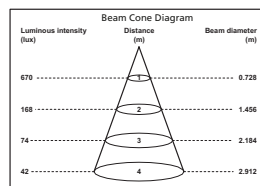


RefLED+ ES50 V2 Dimmable

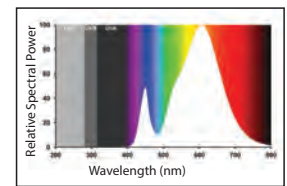
Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temp (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026817	RefLED+ ES50 V2 360lm DIM 2700K 40°	5.5	220-240	40	GU10	2700	670	360	25,000	15	A+
0026818	RefLED+ ES50 V2 370lm DIM 3000K 40°	5.5	220-240	40	GU10	3000	700	370	25,000	15	A+
0026819	RefLED+ ES50 V2 380lm DIM 4000K 40°	5.5	220-240	40	GU10	4000	745	380	25,000	15	A+
0026824	RefLED+ ES50 V2 445lm DIM 2700K 50°	5.5	220-240	50	GU10	2700	580	445	25,000	15	A+
0026825	RefLED+ ES50 V2 460lm DIM 3000K 50°	5.5	220-240	50	GU10	3000	600	460	25,000	15	A++
0026826	RefLED+ ES50 V2 475lm DIM 4000K 50°	5.5	220-240	50	GU10	4000	620	475	25,000	15	A++



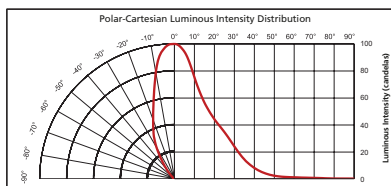
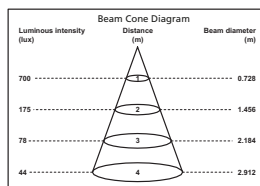
RefLED+ ES50 V2 5W 360lm 40°



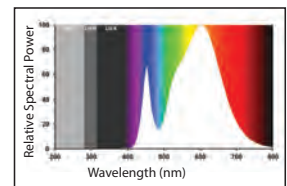
Homelight - 827



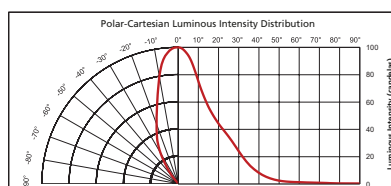
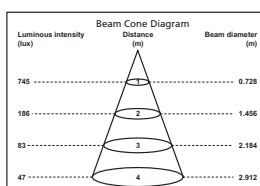
RefLED+ ES50 V2 5W 370lm 40°



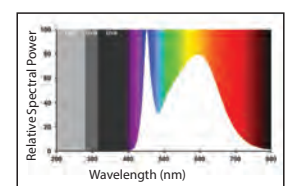
Warm white - 830



RefLED+ ES50 V2 5W 380lm 40°



Cool white - 840



* For a list of approved dimmers, please refer to our dimmer compatibility list available at www.feilosylvania.com



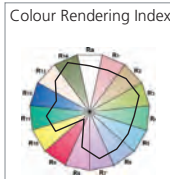
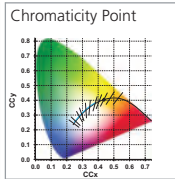
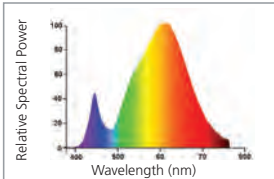
- High light output
 - 600Lm = 83W Halogen GU10 / 50W MR16
- 25,000 Hours average life
- 40 degree beam angle
- Available in 2700K Homelight, 3000K Warm white and 4000K Cool white
- Up to 90% energy saving
- Low energy
 - 8W = 75Lm/W
 - A+ Energy Class
- Compact shape and size
- Dimmable on approved dimmers*
- High power factor – 0.95
- Single LED emitter – precise light with uniform beam
- 3 year warranty



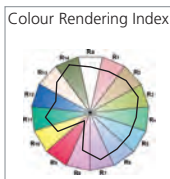
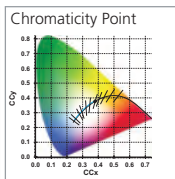
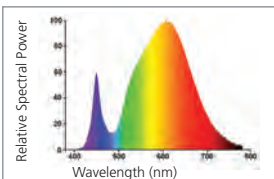
RefLED+ ES50 V2 Dimmable

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0027226	RefLED+ ES50 600Lm V2 Dim 827 40°	8.0	220-240	40	GU10	2700	1065	600	25,000	10	A+
0027227	RefLED+ ES50 600Lm V2 Dim 830 40°	8.0	220-240	40	GU10	3000	1065	600	25,000	10	A+
0027228	RefLED+ ES50 600Lm V2 Dim 840 40°	8.0	220-240	40	GU10	4000	1065	600	25,000	10	A+

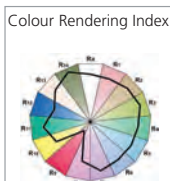
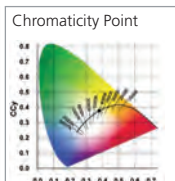
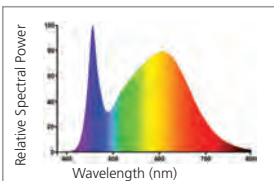
Homelight- 827



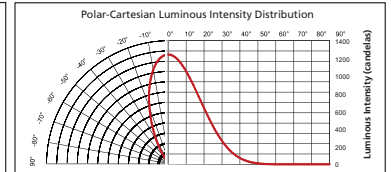
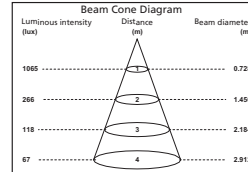
Warm white - 830



Cool white - 840

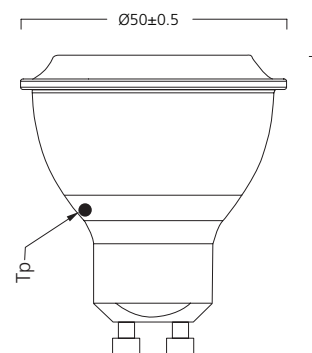


RefLED+ ES50 600Lm Dimmable 40°



To discover for yourself how much your business can save on its energy bills, simply visit our online Savings Calculator at: www.feilosylvania.com

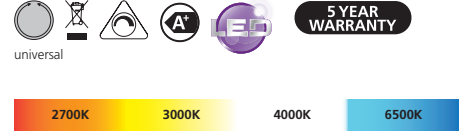
* For a list of approved dimmers, please visit our website.



Dimensions (mm)



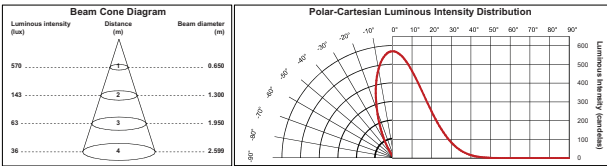
- Up to 90% energy saving
- Wide choice of lumen packages
 - 240lm = 36W Halogen GU10
 - 345lm = 50W Halogen GU10
 - 425lm = 60W Halogen GU10
 - 600lm = 83W Halogen GU10
 - 620lm = 86W Halogen GU10
- Compact Cluster SMD technology enabling high efficiency with halogen look
- Reduced visible heatsink from the front
- Available in different colour temperatures - 2700K, 3000K, 4000K and 6500K
- Available in 36 degree or Ultra-Wide 110 degree beam angles
- High efficacy up to 78lm/W
- Dimmable versions available*
- Same shape and size as halogen lamps
- 15'000 hours average rated life
- 3 year warranty



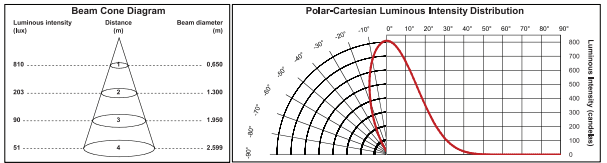
RefLED ES50 V3

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
240lm - 36W Halogen GU10 Replacement											
0027427	RefLED ES50 V3 3.6W 240Lm 830 36°	3.6	220-240	36	GU10	3000	570	240	15,000	6	A+
0027428	RefLED ES50 V3 3.6W 240Lm 840 36°	3.6	220-240	36	GU10	4000	570	240	15,000	6	A+
0027461	RefLED ES50 V3 3.6W 240Lm 865 36°	3.6	220-240	36	GU10	6500	570	240	15,000	6	A+
325lm - 47W Halogen GU10 Replacement - Ultra-wide beam angle											
0027445	RefLED ES50 5W 325Lm 830 110°	5.0	220-240	110	GU10	3000	160	325	15,000	6	A+
345lm - 50W Halogen GU10 Replacement											
0027432	RefLED ES50 V3 5W 345Lm 827 36°	5.0	220-240	36	GU10	2700	810	345	15,000	6	A+
0027433	RefLED ES50 V3 5W 345Lm 830 36°	5.0	220-240	36	GU10	3000	810	345	15,000	6	A+
0027434	RefLED ES50 V3 5W 345Lm 840 36°	5.0	220-240	36	GU10	4000	810	345	15,000	6	A+
0027435	RefLED ES50 V3 5W 345Lm 865 36°	5.0	220-240	36	GU10	6500	810	345	15,000	6	A+
425lm - 60W Halogen GU10 Replacement											
0027447	RefLED ES50 V3 425Lm 830 36d	6	220-240	36	GU10	3000	960	425	15,000	6	A+
0027448	RefLED ES50 V3 425Lm 840 36d	6	220-240	36	GU10	4000	960	425	15,000	6	A+
425lm - 60W Halogen GU10 Replacement - Ultra-wide beam angle											
0027455	RefLED ES50 V3 425Lm 830 110°	6	220-240	110	GU10	3000	210	425	15,000	6	A+
0027456	RefLED ES50 V3 425Lm 840 110°	6	220-240	110	GU10	4000	210	425	15,000	6	A+

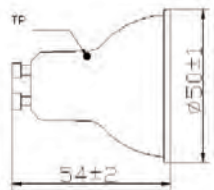
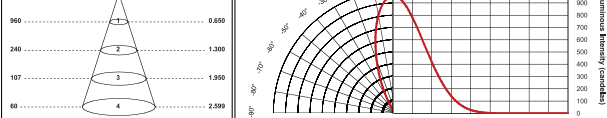
GU10 240lm



GU10 345lm

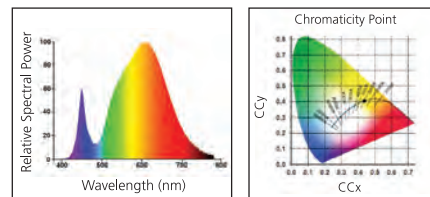


GU10 425lm

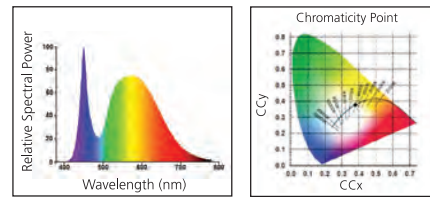


Dimensions (mm)

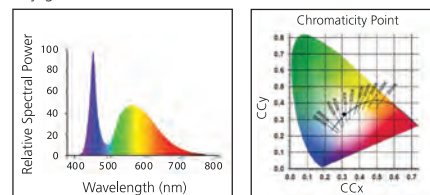
Warm white - 830



Cool white - 840



Daylight - 865



* For a list of approved dimmers, please refer to our dimmer compatibility list available at www.feiliosylvania.com



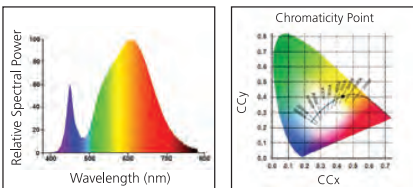
- Up to 90% energy saving
- Wide choice of lumen packages
 - 240lm = 36W Halogen GU10
 - 345lm = 50W Halogen GU10
 - 425lm = 60W Halogen GU10
 - 600lm = 83W Halogen GU10
 - 620lm = 86W Halogen GU10
- Compact Cluster SMD technology enabling high efficiency with halogen look
- Reduced visible heatsink from the front
- Available in different colour temperatures - 2700K, 3000K, 4000K and 6500K
- Available in 36 degree or Ultra-Wide 110 degree beam angles
- High efficacy up to 78lm/W
- Dimmable versions available*
- Same shape and size as halogen lamps
- 15'000 hours average rated life
- 3 year warranty



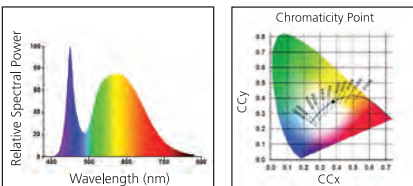
RefLED ES50 V3

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
600lm - 83W Halogen GU10 Replacement											
0027462	RefLED ES50 V3 5W 600lm 830 36° SL	8.0	220-240	36	GU10	3000	1230	600	15,000	6	A+
0027463	RefLED ES50 V3 5W 600lm 840 36° SL	8.0	220-240	36	GU10	4000	1230	600	15,000	6	A+
0027464	RefLED ES50 V3 5W 600lm DIM 830 36° SL	8.0	220-240	36	GU10	4000	1230	600	15,000	6	A+
0027465	RefLED ES50 V3 5W 600lm DIM 840 36° SL	8.0	220-240	36	GU10	3000	1230	600	15,000	6	A+
620lm - 86W Halogen GU10 Replacement											
0027468	RefLED ES50 V3 5W 620lm 865 36° SL	8.0	220-240	36	GU10	3000	1230	620	15,000	6	A+
0027469	RefLED ES50 V3 5W 620lm DIM 865 36° SL	8.0	220-240	36	GU10	4000	1230	620	15,000	6	A+

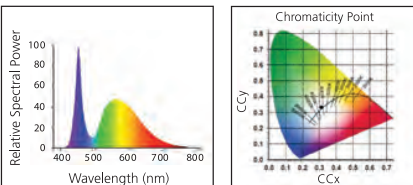
Warm white - 830



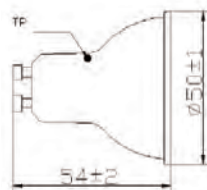
Cool white - 840



Daylight - 865



* For a list of approved dimmers, please refer to our dimmer compatibility list available at www.feilosylvania.com



Dimensions (mm)



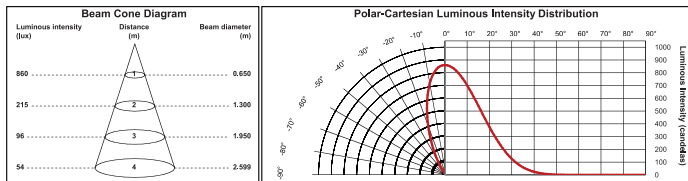
- Up to 90% energy saving
- Wide choice of lumen packages
 - 240lm = 36W Halogen GU10
 - 345lm = 50W Halogen GU10
 - 425lm = 60W Halogen GU10
- Compact Cluster SMD technology enabling high efficiency with halogen look
- Reduced visible heatsink from the front
- Available in different colour temperatures - 3000K, 4000K and 6500K
- Available in 36 degree or Ultra-Wide 110 degree beam angles
- High efficacy up to 71lm/W
- Dimmable versions available*
- Same shape and size as halogen lamps
- 15'000 hours average rated life
- 3 year warranty



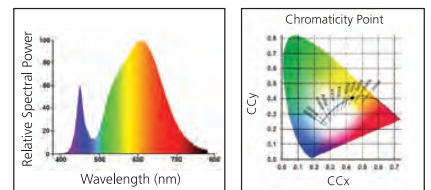
RefLED ES50 V3 Dimmable

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
345lm - 50W Halogen GU10 Replacement - Dimmable											
0027440	RefLED ES50 V3 345Lm DIM 830 36°	6.0	220-240	36	GU10	3000	860	345	15,000	6	A+
0027442	RefLED ES50 V3 345Lm DIM 840 36°	6.0	220-240	36	GU10	3000	860	345	15,000	6	A+
0027444	RefLED ES50 V3 345Lm DIM 865 36°	6.0	220-240	36	GU10	6500	860	345	15,000	6	A+
425lm - 60W Halogen GU10 Replacement - Dimmable											
0027451	RefLED ES50 V3 425Lm DIM 830 36d	6.5	220-240	36	GU10	3000	950	425	15,000	6	A+
0027452	RefLED ES50 V3 425Lm DIM 840 36d	6.5	220-240	36	GU10	4000	950	425	15,000	6	A+

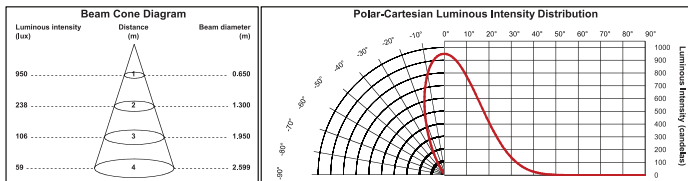
GU10 345lm Dim



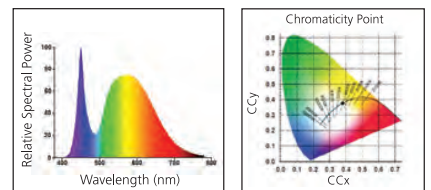
Warm white - 830



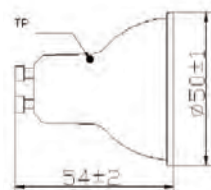
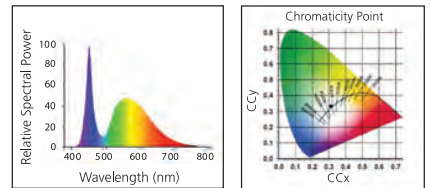
GU10 425lm Dim



Cool white - 840



Daylight - 865



Dimensions (mm)

* For a list of approved dimmers, please refer to our dimmer compatibility list available at www.feilosylvania.com



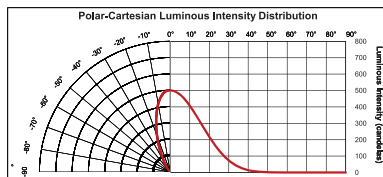
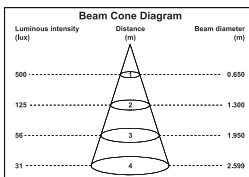
- Over 85% energy saving
- Same shape and size as halogen lamps
- Glass construction offering classic look with latest efficient technology
- Glass housing means no colour clash with luminaire and ideal for exposed spot lighting
- Available in different colour temperatures - 3000K and 4000K
- Available in 36 degree beam angle
- High efficacy up to 72Lm/W – A++ Energy class
- 18,000 hours average rated life
- Choice of lumen outputs
- 3 year warranty



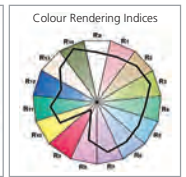
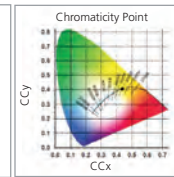
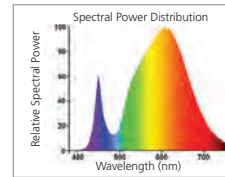
RefLED Retro ES50

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
230lm - 35W Halogen GU10 replacement											
0026546	RefLED Retro ES50 230Lm 830 36d	3.2	220-240	36	GU10	3000	500	230	18,000	6	A++
0026547	RefLED Retro ES50 230Lm 840 36d	3.2	220-240	36	GU10	4000	500	230	18,000	6	A++
345lm - 50W Halogen GU10 replacement											
0026565	RefLED Retro ES50 345Lm 830 36d	5.2	220-240	36	GU10	3000	700	345	18,000	6	A+
0026566	RefLED Retro ES50 345Lm 840 36d	5.2	220-240	36	GU10	4000	700	345	18,000	6	A+

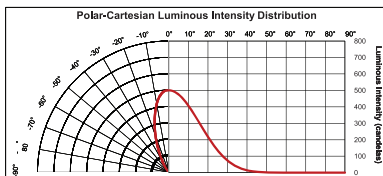
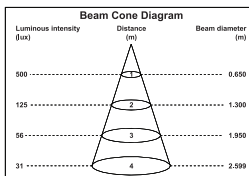
RefLED Retro GU10 230lm



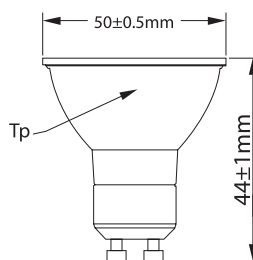
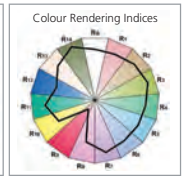
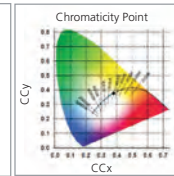
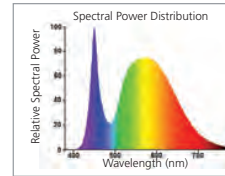
Warm white - 830



RefLED Retro GU10 345lm



Cool white - 840



Dimensions (mm)



PAR 16



PAR 20



PAR 30



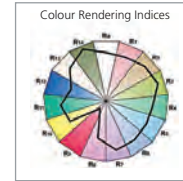
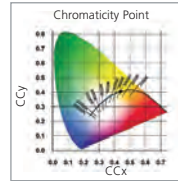
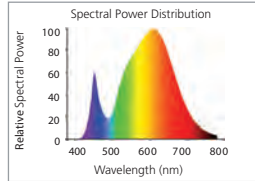
PAR 38

- High light output for precision lighting
 - PAR16 - 5W 345Lm = 50W Halogen PAR16
 - PAR20 - 7.5W 500Lm = 67W Halogen PAR20
 - PAR30 - 12.5W 900Lm = 104W Halogen PAR30
 - PAR38 - 18.5W 1300Lm = 153W Halogen PAR38
- 40,000 Hours average life
- Over 80% energy saving
- Up to 72Lm/W - A/A+ Energy Class
- Ideal for hospitality and retail display lighting
- Superb colour consistency
- Perfect shape and size
- Dimmable on suitable dimmers*

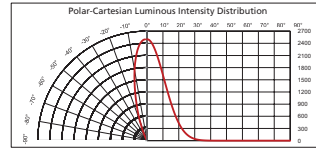
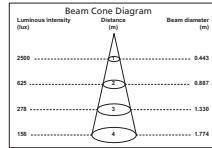


3000K

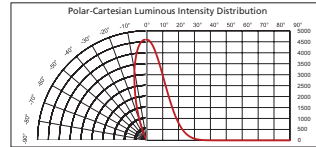
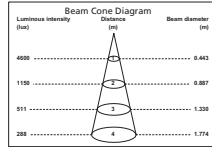
Warm White - 830



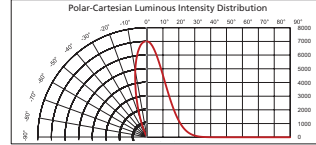
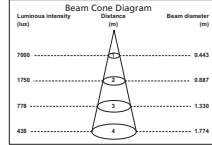
RefLED PAR20 500Lm 25°



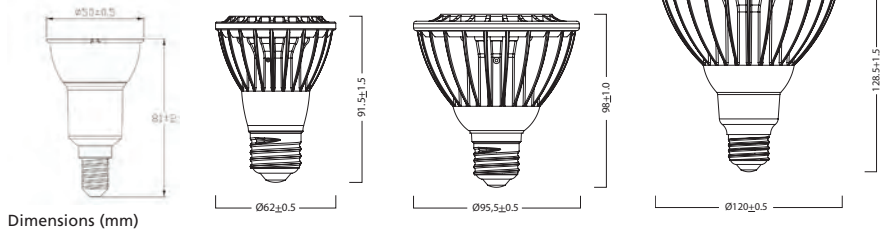
RefLED PAR30 900Lm 25°



RefLED PAR38 1300Lm 25°



For a list of approved dimmers, please refer to our dimmer compatibility list available at www.feliosylvania.com



RefLED PAR16 Non Dimmable

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (Cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026590	RefLED PAR16 5W 345LM 830 E14 36° SL	5	220-240	36	E14	3000	950	345	15,000	6	A+

RefLED PAR Dimmable range

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (Cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
PAR20 - 67W Halogen PAR20 Replacement - Dimmable											
0026697	REFLED PAR20 DIM 500LM 7.5W 830 25° SL	7.5	220-240	25	E27	3000	2500	500	40,000	6	A+
PAR30 - 104W Halogen PAR30 Replacement - Dimmable											
0026709	REFLED PAR30 DIM 900LM 12.5W 830 25° SL	12.5	220-240	25	E27	3000	4600	900	40,000	6	A+
PAR38 - 153W Halogen PAR38 Replacement - Dimmable											
0026716	REFLED PAR38 DIM 1300LM 18.5W 830 25° SL	18.5	220-240	25	E27	3000	7000	1300	40,000	4	A+

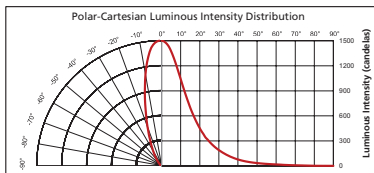
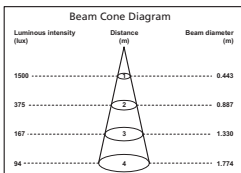


- High light output of 621 useful lumens = 50W MR16 Halogen
- 8W/12V AC/DC - save over 80% energy
- Superia technology ensures lifetime of 25,000 hours even in enclosed fixtures
- AHC (Automatic Heat Control) ensures longer life by preventing lamp from over heating
- Single point source ensuring crisp sharp light
- High Power Factor - 0.7
- Made in Europe quality – 5 year warranty

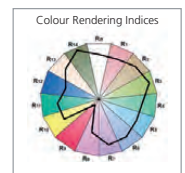
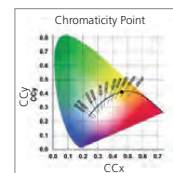
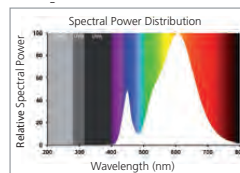
RefLED Superia MR16

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
575lm - equivalent 50W halogeen											
0026195	RefLED Superia MR16 8W 621Lm 827 40° SL	8.0	12	40	GU5.3	2700	930	621	25,000	15	A+
0026196	RefLED Superia MR16 8W 621Lm 830 25° SL	8.0	12	25	GU5.3	3000	1700	621	25,000	15	A+
0026197	RefLED Superia MR16 8W 621Lm 830 40° SL	8.0	12	40	GU5.3	3000	930	621	25,000	15	A+
0026198	RefLED Superia MR16 8W 621Lm 830 60° SL	8.0	12	60	GU5.3	3000	630	621	25,000	15	A+
0026199	RefLED Superia MR16 8W 621Lm 840 40° SL	8.0	12	40	GU5.3	4000	930	621	25,000	15	A+

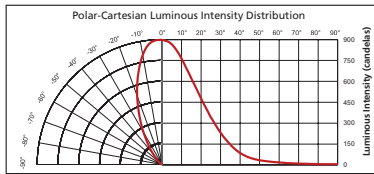
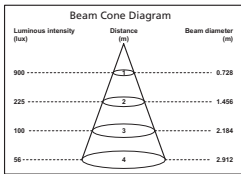
RefLED MR16 Superia Dim 25°



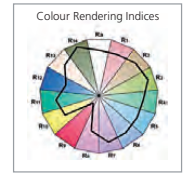
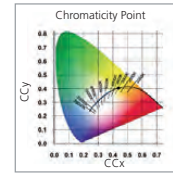
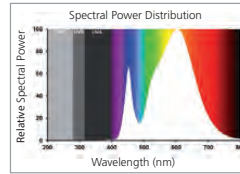
Homelight - 827



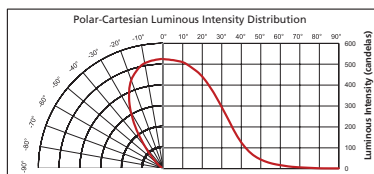
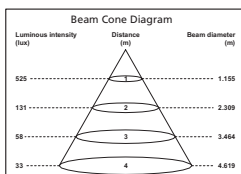
RefLED MR16 Superia Dim 40°



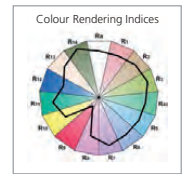
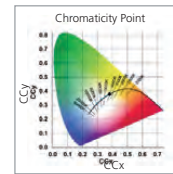
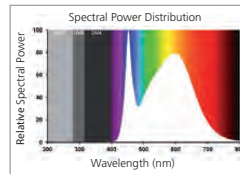
Warm White - 830



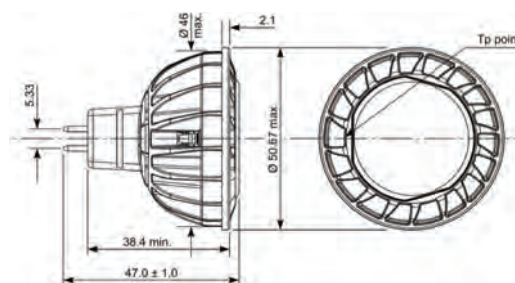
RefLED MR16 Superia Dim 60°



Cool White - 840



For a list of approved dimmers, please refer to our dimmer compatibility list available at www.feilosylvania.com



Dimensions (mm)



- High light output
 - 345lm = 35W MR16 Halogen equivalent
 - 460lm = 41W MR16 Halogen equivalent
- 7W/12V AC/DC - save over 80% energy
- Superia technology ensures lifetime of 25,000 hours even in enclosed fixtures
- AHC (Automatic Heat Control) ensures longer life by preventing lamp from over heating
- Single point source ensuring crisp sharp light
- High Power Factor - 0.7
- Made in Europe quality – 5 year warranty



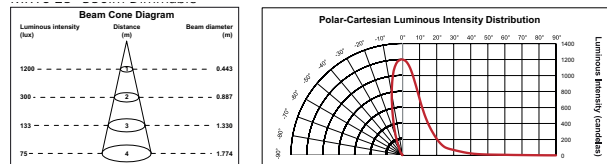
RefLED Superia MR16 345lm

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
345lm - 35W Halogen equivalent											
0026341	RefLED Superia MR16 7W 345LM 827 40°	7	12	40	GU5.3	2700	600	345	25,000	15	A
0026306	RefLED Superia MR16 7W 345LM 830 25°	7	12	25	GU5.3	3000	1200	345	25,000	15	A
0026340	RefLED Superia MR16 7W 345LM 830 40°	7	12	40	GU5.3	3000	600	345	25,000	15	A
0026351	RefLED Superia MR16 7W 345LM 840 40°	7	12	40	GU5.3	4000	600	345	25,000	15	A

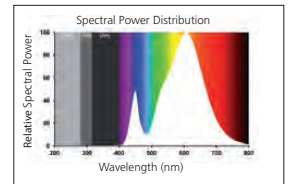
RefLED Superia MR16 460lm

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
460lm - 41W Halogen equivalent											
0026352	RefLED Superia MR16 7W 460LM 827 25°	7	12	25	GU5.3	2700	1800	460	25,000	15	A
0026350	RefLED Superia MR16 7W 460LM 827 40°	7	12	40	GU5.3	2700	900	460	25,000	15	A
0026353	RefLED Superia MR16 7W 460LM 830 25°	7	12	25	GU5.3	3000	1800	460	25,000	15	A
0026342	RefLED Superia MR16 7W 460LM 830 40°	7	12	40	GU5.3	3000	900	460	25,000	15	A
0026354	RefLED Superia MR16 7W 460LM 840 40°	7	12	40	GU5.3	4000	900	460	25,000	15	A

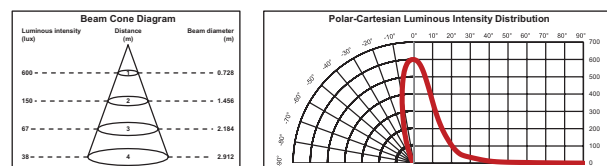
RefLED Superia MR16 345Lm Dimmable 25°



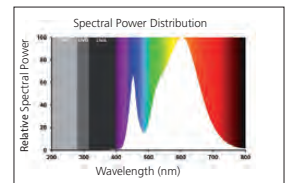
Homelight - 827



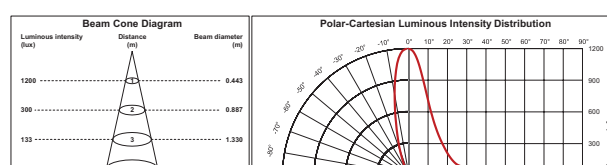
RefLED Superia MR16 345Lm Dimmable 40°



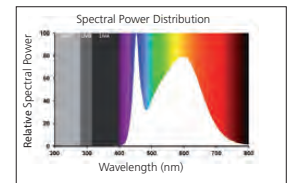
Warm White - 830



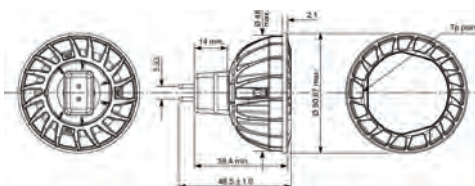
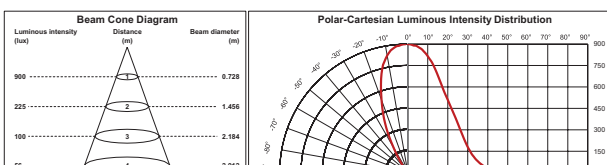
RefLED Superia MR16 430Lm Dimmable 25°



Cool white - 840



RefLED Superia MR16 430Lm Dimmable 40°



Dimensions (mm)

RefLED+ MR16 V2 Dimmable



MR16 345lm



MR16 450lm

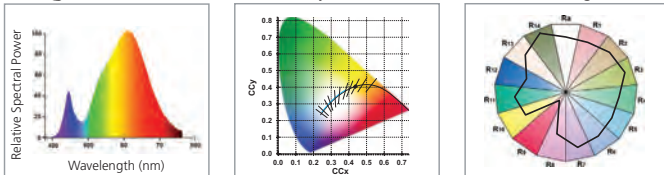
- 85% energy saving
- Wide choice of lumen packages
 - 6.5W offering up to 380lm equivalent to 35W Halogen MR16
 - 7.5W offering up to 480lm equivalent to 42W Halogen MR16
- Uses the latest COB chip technology for a halogen look and feel
- Available in different colour temperatures - 2700K Homelight, 3000K Warm White and 4000K Cool White
- High efficacy up to 64lm/W
- Compatible with approved electronic transformers*
- Dimmable on approved dimmers*
- 25,000 hours average rated life
- 3 year warranty



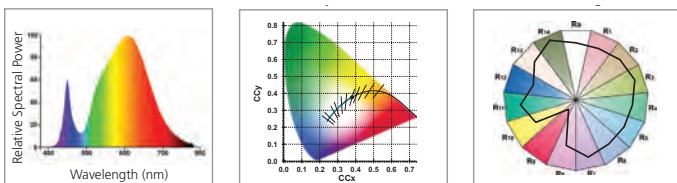
RefLED+ MR16 V2 Dimmable

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
345Lm Dimmable - 35W Halogen MR16 replacement - Electronic Transformer only											
0027208	RefLED+ E550 345Lm V2 Dim 827 40° SL	6.5	12	40	GU5.3	2700	600	345	25,000	6	A
0027209	RefLED+ E550 360Lm V2 Dim 830 40° SL	6.5	12	40	GU5.3	3000	700	360	25,000	6	A
0027210	RefLED+ E550 380Lm V2 Dim 840 40° SL	6.5	12	40	GU5.3	4000	700	380	25,000	6	A
450Lm Dimmable - 40W Halogen MR16 replacement - Electronic Transformer only											
0027211	RefLED+ E550 450Lm V2 Dim 827 40° SL	7.5	12	40	GU5.3	2700	950	450	25,000	6	A
0027212	RefLED+ E550 460Lm V2 Dim 830 40° SL	7.5	12	40	GU5.3	3000	950	460	25,000	6	A
0027213	RefLED+ E550 480Lm V2 Dim 840 40° SL	7.5	12	40	GU5.3	4000	950	480	25,000	6	A

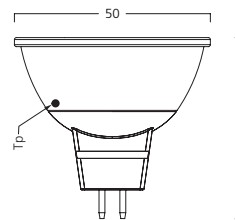
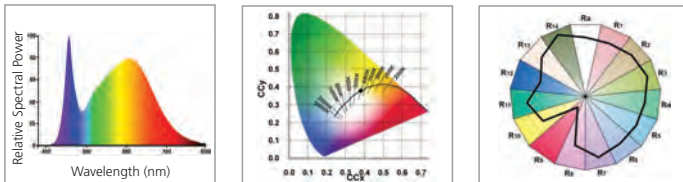
Homelight - 827



Warm white - 830



Cool white - 840



Dimensions (mm)

* For a list of approved dimmers, please refer to our dimmer compatibility list available at www.feilosylvania.com



- Over 80% energy saving
- Choice of lumen packages
 - 5.5W 345lm equivalent to 35W MR16
 - 6.5W 425lm equivalent to 39W MR16
- Compact Cluster SMD technology enabling high efficiency with halogen look
- Reduced visible heatsink from the front
- Available in different colour temperatures - 2700K, 3000K and 4000K
- Available in 36 degree beam angle
- High efficacy up to 65Lm/W
- For use on approved transformers
- Same shape and size as halogen MR16 lamps
- 15,000 hours average rated life
- 3 year warranty

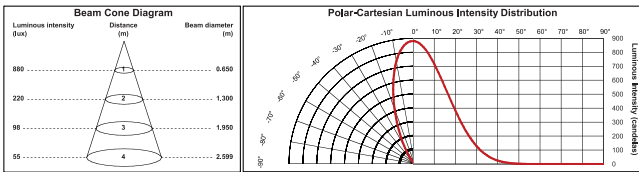


RefLED MR16 V3

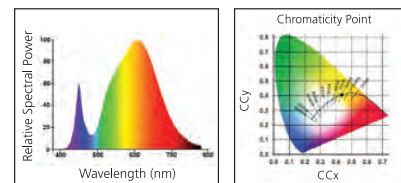
Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
345lm - 35W Halogen MR16 Replacement											
0026611	RefLED MR16 V3 5.5W 345lm 827 36° SL	5.5	12	36	GU5.3	2700	880	345	15,000	6	A+
0026612	RefLED MR16 V3 5.5W 345lm 830 36° SL	5.5	12	36	GU5.3	3000	880	345	15,000	6	A+
0026613	RefLED MR16 V3 5.5W 345lm 840 36° SL	5.5	12	36	GU5.3	4000	880	345	15,000	6	A+
425lm - 39W Halogen MR16 Replacement											
0026616	RefLED MR16 V3 425lm 830 36d SL	6.5	12	36	GU5.3	3000	960	425	15,000	6	A+
0026617	RefLED MR16 V3 425lm 840 36d SL	6.5	12	36	GU5.3	4000	960	425	15,000	6	A+

For a full list of approved dimmers and transformers, please visit our website www.feilosylvania.com

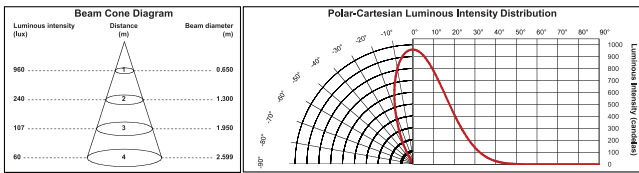
RefLED MR16 V3 345LM



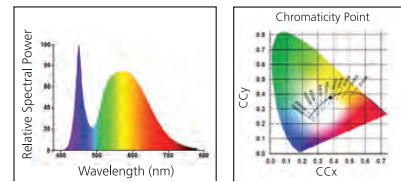
Warm white - 830



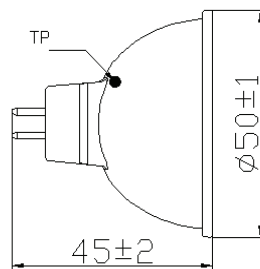
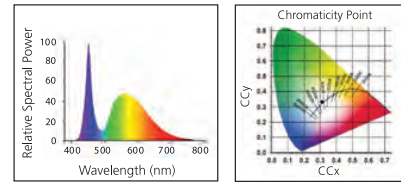
RefLED MR16 V3 425LM



Cool white - 840



Daylight - 864



Dimensions (mm)



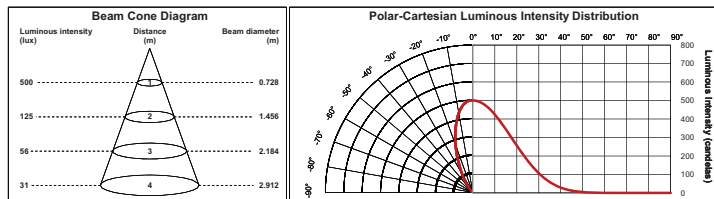
- Over 85% energy saving
- Same shape and size as halogen lamps
- Glass construction offering classic look with latest efficient technology
- Glass housing means no colour clash with luminaire and ideal for exposed spot lighting
- Available in different colour temperatures - 3000K and 4000K
- Available in 36 degree beam angle
- High efficacy up to 65Lm/W – A+ Energy class
- 18,000 hours average rated life
- Choice of lumen outputs
- 3 year warranty



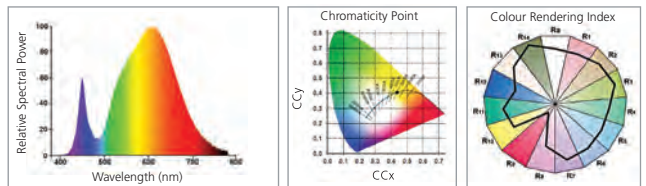
RefLED Retro MR16

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026534	RefLED Retro MR16 345lm 830 36d	5.3	220-240	36	GU5.3	3,000	700	345	18,000	6	A+
0026535	RefLED Retro MR16 345lm 840 36d	5.3	220-240	36	GU5.3	4,000	700	345	18,000	6	A+

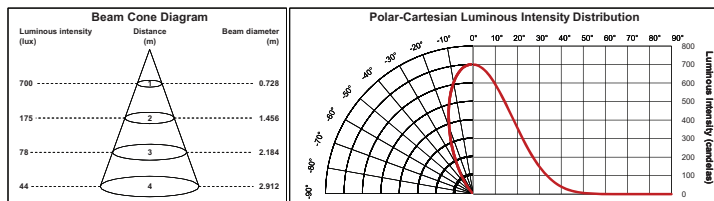
RefLED Retro MR16 250lm



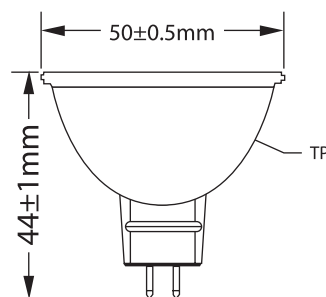
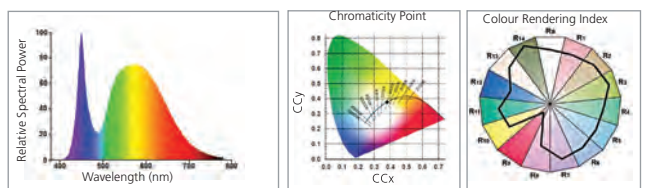
Warm white - 830



RefLED Retro MR16 345lm



Cool white - 840



Dimensions (mm)



- 185 useful lumens = 20W MR11 Halogen
- 2.5W/12V AC/DC - save over 80% energy
- A++ energy rating
- Long lifetime 25,000 hours
- Available in 3,000K
- IEC standard dimensions - true retrofit size
- High Power Factor - 0.7
- 3 Year warranty

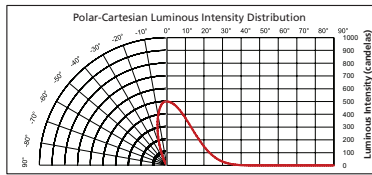
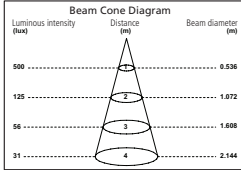


3000K

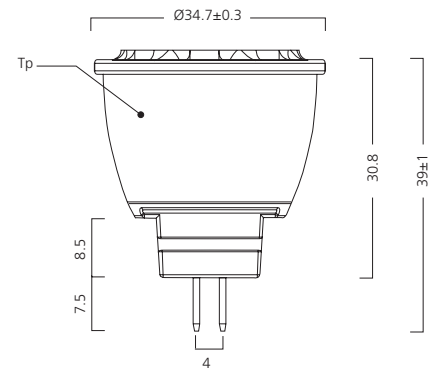
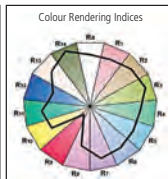
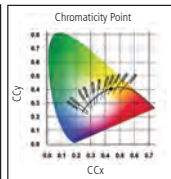
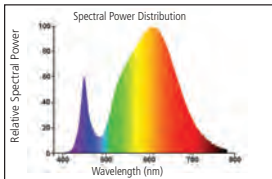
RefLED MR11

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026409	RefLED MR11 V2 185LM 3000K 30°	2.5	12	30	GU4	3000	550	185	25,000	10	A++

RefLED MR11 3.5W 185LM



Warm White - 830



Dimensions (mm)



Copyright Feilo Sylvania March 2016

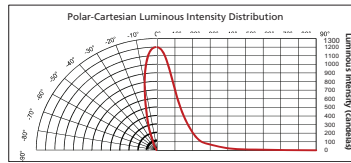
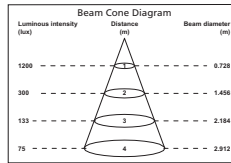
* For list of approved transformers, please refer to our transformer compatibility list available at www.feilosylvania.com



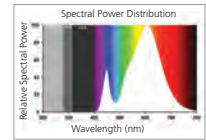
- Direct replacement of 50W, 75W and 100W Halogen AR111 lamps.
- 6.5W 450Lm, 10W 740Lm and 13W 905Lm - Up to 85% energy saving compared to standard halogen lamps
- High colour rendering CRI80 and CRI95 (SuperColour)
- SuperColour option with CRI95 (R9=80) for the ultimate in colour accuracy for retail and display lighting
- Dimmable on approved dimmers*
- Available in 2700K homelight, 3000K warmwhite and 4000K coolwhite
- High efficacy: up to 74lm/W
- Lifetime of 50,000 hours
- High Power Factor - 0.9
- 5 Years Warranty
- Very low glare just like a halogen lamp



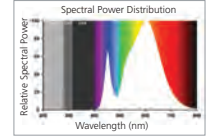
RefLED Superia AR111 Dim 450lm 40°



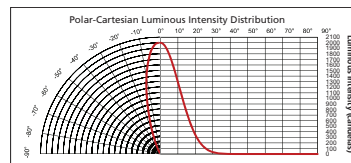
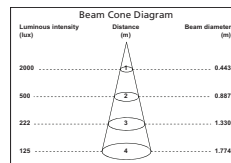
Homelight - 827



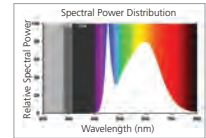
Warm White - 830



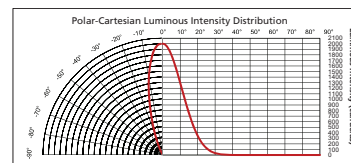
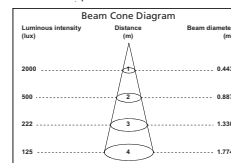
RefLED Superia AR111 Dim 740lm 25°



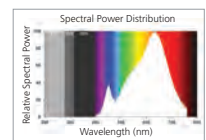
Cool White - 840



RefLED Superia AR111 Dim 905lm 25°



SuperColour CRI95 - 930



RefLED Superia AR111 Supercolour Dimmable

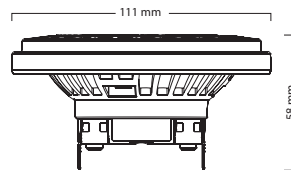
Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
850Lm - 92W Equivalent - Dimmable - SuperColour CRI95											
0026432	RefLED Superia AR111 SC 850LM 930 25° SL	13	12	25	G53	3000	3750	850	50,000	6	A



RefLED Superia AR111 Dimmable

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
450Lm - 50W Equivalent - Dimmable											
0026423	RefLED Superia AR111 Dim 6.5W 450LM 827 25°	6.5	12	25	G53	2700	2000	450	50,000	6	A+
0026424	RefLED Superia AR111 Dim 6.5W 450LM 827 40°	6.5	12	40	G53	2700	1000	450	50,000	6	A+
0026411	RefLED Superia AR111 Dim 6.5W 450LM 830 25°	6.5	12	25	G53	3000	2000	450	50,000	6	A+
0026412	RefLED Superia AR111 Dim 6.5W 450LM 830 40°	6.5	12	40	G53	3000	1000	450	50,000	6	A+
0026413	RefLED Superia AR111 Dim 6.5W 450LM 840 25°	6.5	12	25	G53	4000	2000	450	50,000	6	A+
0026414	RefLED Superia AR111 Dim 6.5W 450LM 840 40°	6.5	12	40	G53	4000	1000	450	50,000	6	A+
740Lm - 75W Equivalent - Dimmable											
0026430	RefLED Superia AR111 Dim 10W 740LM 827 25°	10	12	25	G53	2700	3200	740	50,000	6	A+
0026431	RefLED Superia AR111 Dim 10W 740LM 827 40°	10	12	40	G53	2700	1600	740	50,000	6	A+
0026417	RefLED Superia AR111 Dim 10W 740LM 830 25°	10	12	25	G53	3000	3200	740	50,000	6	A+
0026418	RefLED Superia AR111 Dim 10W 740LM 830 40°	10	12	40	G53	3000	1600	740	50,000	6	A+
905Lm - 100W Equivalent - Dimmable											
0026421	RefLED Superia AR111 Dim 13W 905LM 830 25°	13	12	25	G53	3000	2000	905	50,000	6	A
0026422	RefLED Superia AR111 Dim 13W 905LM 830 40°	13	12	40	G53	3000	2000	905	50,000	6	A

*For full list of compatible transformers and dimmers, please visit www.sylvania-lamps.com



Dimensions (mm)



R50



R63

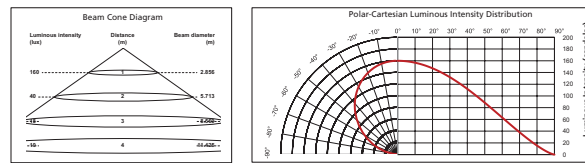


R80

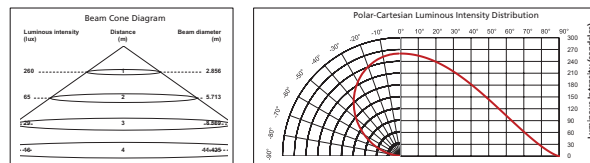
- High light output – low energy
 - R50 – 6W 510lm E14 = 42W Incandescent R50
 - R63 – 10W 850lm E27 = 63W Incandescent R63
 - R80 – 12W 1000lm E27 = 72W Incandescent R80
- 30'000 Hours average life
- 85% energy saving
- Up to 85lm/W – A+ Energy Class
- Wide front aperture replicates look of traditional lamp
- Robust construction – Die-cast aluminium = Superb cooling
- Ultra wide 110° beam angle provides wide pools of light
- Same shape and size as incandescent lamp
- Ideal for domestic, hospitality, leisure and retail lighting



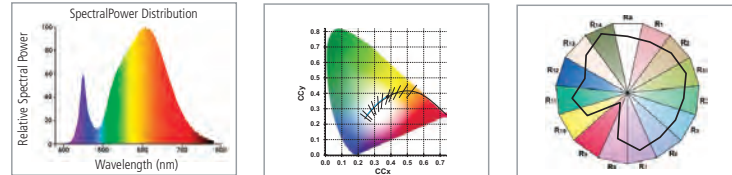
RefLED Reflector R50 110°



RefLED Reflector R63 110°

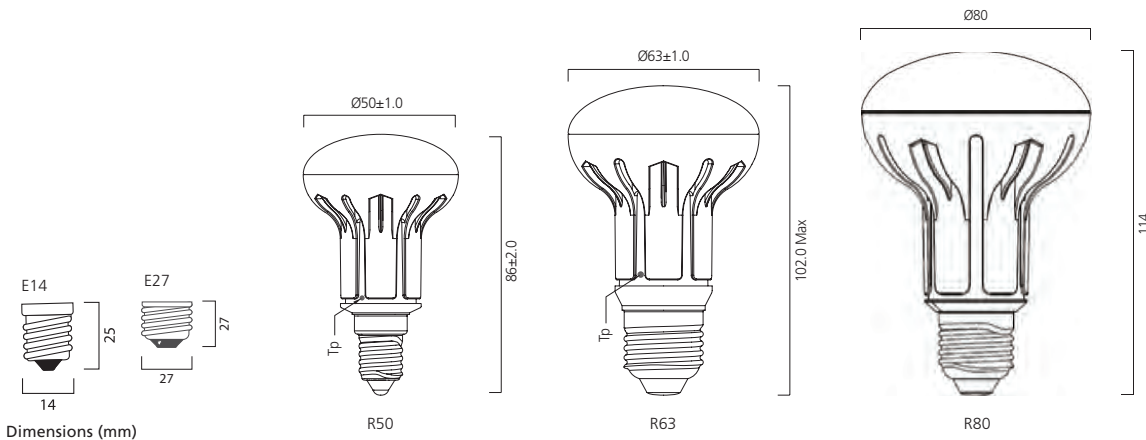


Warmwhite - 830



RefLED Reflector R50/ R63/ R80

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Reflector R50											
0026688	RefLED R50 510LM 6W 830 E14 BL	6.0	220-240	110	E14	3000	120	510	30,000	6	A+
Reflector R63											
0026690	RefLED R63 850LM 10W 830 E27 BL	10.0	220-240	110	E27	3000	160	850	30,000	6	A+
Reflector R80											
0026691	RefLED R80 1000Lm 12W 830 E27 BL	12.0	220-240	110	E27	3000	320	1000	30,000	6	A+



*For full list of compatible transformers and dimmers, please visit www.feilosylvania.com



ToLEDo G9



ToLEDo G4



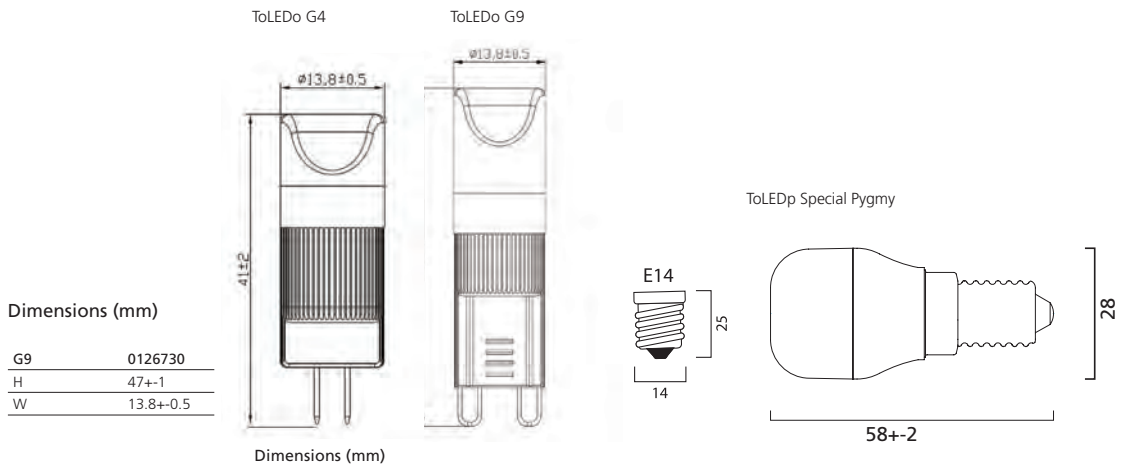
ToLEDo Pygmy

- Up to 80% energy saving compared to halogen lamps
- 100% retrofit - compact size for existing fittings
- Uniform light distribution
- Available in Homelight (2700K) and Warm White (3000K)
- Average rated life up to 25,000 hrs
- ToLEDo Pygmy - ideal for use in refrigerators



ToLEDo G9/ G4/ Pygmy

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026506	ToLEDo G9 200LM 827	3	220-240	G9	2700	200	15,000	10	A+
0026504	ToLEDo G4 2.2W 140LM 827	2.2	12	G4	2700	60	15,000	6	A++
0026844	ToLEDo PYGMY 160LM 830 E14 S	2.5	220-240	E14	3000	160	25,000	6	A+





Micro-Lynx LED Frosted (front view)



Micro-Lynx LED Frosted (side view)



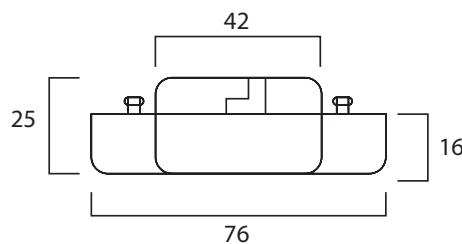
Micro-Lynx LED Clear (front view)

- High lumen output: up to 470lm
- 3000K Warm white, 4000K Cool White
- Instant start
- Clear or frosted finish
- Compatible with Lumiance Insaver & Microsaver (Recessed, Semi-Recessed & Surface mounted)
- Average rated life 15,000 hrs

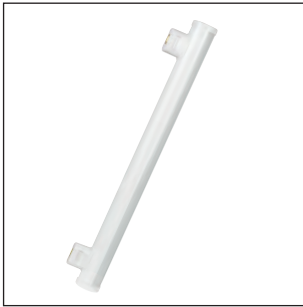


ToLEDo Micro-Lynx GX53

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0026780	ToLEDo MicroLynx Clear 4W 250LM 830	4	220-240	GX53	3000	250	15,000	6	A+
0026781	ToLEDo MicroLynx Clear 4W 260LM 840	4	220-240	GX53	4000	260	15,000	6	A+
0026783	ToLEDo MicroLynx Frosted 4W 250LM 830	4	220-240	GX53	3000	250	15,000	6	A+
0026666	ToLEDo MicroLynx Frosted 4W 260LM 840	4	220-240	GX53	4000	260	15,000	6	A+



Dimensions (mm)



- LED Striplight replacement for incandescent lamp
- Different caps available; S14s, S14D, S19, S15
- Available in 2700K homelight
- 15,000 hours life and up to 530lm
- Perfect for kitchen, mirror lighting, shaver lighting, bathroom
- Backed up by 3 years warranty
- 3.5W equivalent to 35W. 6W equivalent to 60W. Massive energy savings.



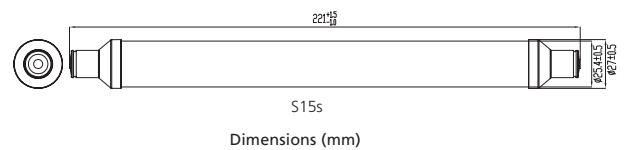
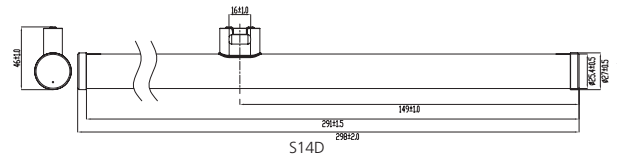
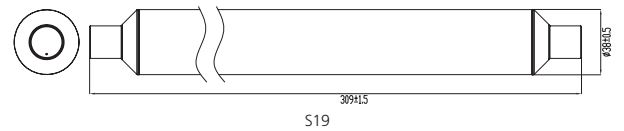
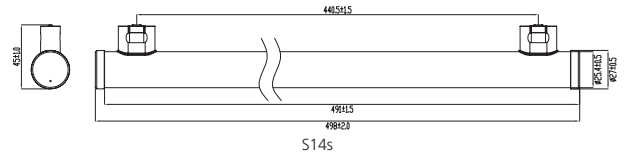
S14s



S15



S19



Dimensions (mm)

Code	L	D
0026851	300	27.5
0026852	500	27.5
0026855	310.5	38.5
0026854	500	27.5
0026853	300	27.5
0026856	222.5	27.5
0026857	285.5	27.5

ToLEDo Striplight

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Energy Class
0026851	ToLEDo ST V2 300mm 3.5W 280lm S14s	3.5	220-240	S14s	2700	280	15,000	A+
0026852	ToLEDo ST V2 500mm 5W 420lm S14s	5.0	220-240	S14s	2700	420	15,000	A+
0026853	ToLEDo ST V2 300mm 3.5W 280lm S14D	3.5	220-240	S14D	2700	280	15,000	A+
0026854	ToLEDo ST V2 500mm 5W 420lm S14D	5.0	220-240	S14D	2700	420	15,000	A+
0026855	ToLEDo ST V2 309mm 6W 530lm S19	6.0	220-240	S19	2700	530	15,000	A+
0026856	ToLEDo ST V2 221mm 3.5W 280lm S15s	3.5	220-240	S15s	2700	280	15,000	A+
0026857	ToLEDo ST V2 284mm 3.5W 280lm S15s	3.5	220-240	S15s	2700	280	15,000	A+



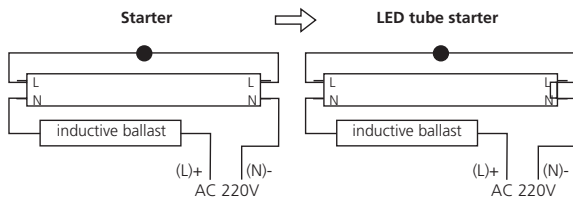
- Glass tubes construction to deliver a superior light experience
- 320° degree if light distribution
- Superb uniformity and light transmittance, no dark spots visible
- No bending, no ageing, resistant to flame no discolouration over time
- Long life product with 50,000 hours life
- Highly efficient range with up to 131lm/W
- Reminiscent look of fluorescent tubes



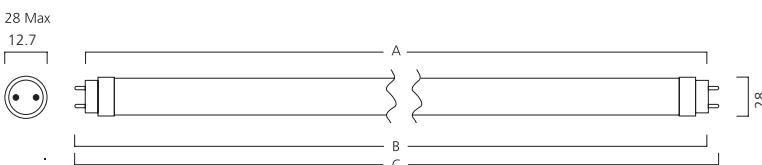
ToLEDo Superia T8 Tube

Code	Description	Watt (W)	Voltage (V)	Light Distribution Angle (°)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
2FT - 600mm										
0027350	Toledo Superia T8 V2 2ft 10W 1200lm 830	10	220-240	320	G13	3000	1200	50,000	6	A+
0027351	Toledo Superia T8 V2 2ft 10W 1250lm 840	10	220-240	320	G13	6500	1250	50,000	6	A+
0027052	Toledo Superia T8 V2 2ft 10W 1250lm 865	10	220-240	320	G13	6500	1250	50,000	6	A+
4FT - 1200mm										
0027356	Toledo Superia T8 V2 4ft 20.5W 2550lm 830	20.5	220-240	320	G13	3000	2550	50,000	6	A+
0027357	Toledo Superia T8 V2 4ft 20.5W 2650lm 840	20.5	220-240	320	G13	4000	2650	50,000	6	A+
0027358	Toledo Superia T8 V2 4ft 20.5W 2650lm 865	20.5	220-240	320	G13	6500	2650	50,000	6	A+
5FT - 1500mm										
0027359	Toledo Superia T8 V2 5ft 24.5W 3050lm 830	24.5	220-240	320	G13	3000	3000	50,000	6	A+
0027360	Toledo Superia T8 V2 5ft 24.5W 3200lm 840	24.5	220-240	320	G13	4000	3200	50,000	6	A+
0027361	Toledo Superia T8 V2 5ft 24.5W 3200lm 865	24.5	220-240	320	G13	6500	3200	50,000	6	A+

Instructions For Magnetic Ballast



Remove existing starter and replace with the starter provided with the lamp
 Not suitable for use on emergency or tandem ballast applications



Dimensions (mm)	A	B	C
2ft	598.8	596.5	604.0
4ft	1199.4	1206.5	1213.6
5ft	1500.0	1499.8	1514.2



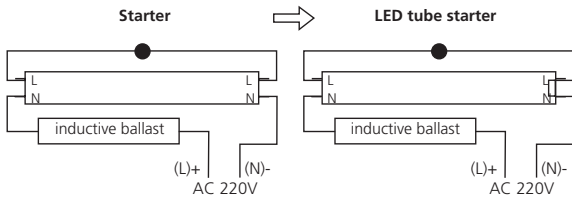
- Retrofit for T8 lamps, easy plug and play solution for magnetic ballast systems
- Glass tubes with 320° degree light distribution
- Long life product with 40,000 hours
- High efficient product up to 113lm/W
- High power factor 0.95



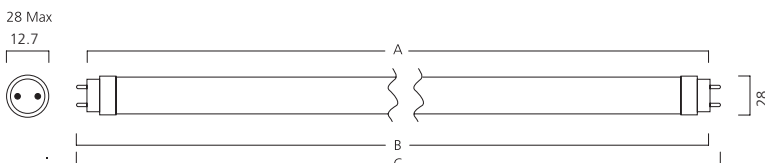
ToLEDo+ Tube

Code	Description	Watt (W)	Voltage (V)	Light Distribution Angle (°)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Energy Class
2Ft - 600mm									
0027380	Toledo+ T8 V2 2ft 8W 850lm 830	8	220-240	320	G13	3000	850	40,000	A+
0027381	Toledo+ T8 V2 2ft 8W 900lm 840	8	220-240	320	G13	4000	900	40,000	A+
0027082	Toledo+ T8 V2 2ft 8W 900lm 865	8	220-240	320	G13	6500	900	40,000	A+
4Ft - 1200mm									
0027386	Toledo+ T8 V2 4ft 16.5W 1700lm 830	16.5	220-240	320	G13	3000	1700	40,000	A+
0027387	Toledo+ T8 V2 4ft 16.5W 1800lm 840	16.5	220-240	320	G13	4000	1800	40,000	A+
0027388	Toledo+ T8 V2 4ft 16.5W 1800lm 865	16.5	220-240	320	G13	6500	1800	40,000	A+
5Ft - 1500mm									
0027389	Toledo+ T8 V2 5ft 20.5W 2100lm 830	20.5	220-240	320	G13	3000	2100	40,000	A+
0027390	Toledo+ T8 V2 5ft 20.5W 2250lm 840	20.5	220-240	320	G13	4000	2250	40,000	A+
0027391	Toledo+ T8 V2 5ft 20.5W 2250lm 865	20.5	220-240	320	G13	6500	2250	40,000	A+

Instructions For Magnetic Ballast



Remove existing starter and replace with the starter provided with the lamp
 Not suitable for use on emergency or tandem ballast applications



	Dimensions (mm)		
	A	B	C
2ft	598.8	596.5	604.0
4ft	1199.4	1206.5	1213.6
5ft	1500.0	1499.8	1514.2



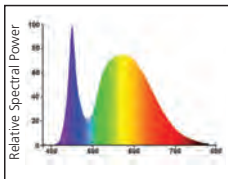
- Retrofit for T8 lamps, easy plug and play solution for magnetic ballast systems
- T8 LED Glass tubes with 320 degree light distribution
- Low power consumption to maximise energy saving potential
- 40,000 hours life - reduced maintenance costs
- Lumen output up to 2700lm with high efficacy up to 100lm/W
- Available in two colour temperatures (4000K and 6500K)
- High power factor 0.95
- 3 Year warranty
- **WARNING:** If the outer jacket is broken conductive parts may still be active. Lamps must not be touched before making sure the mains current is not live. Switch off the power supply before replacing lamp!



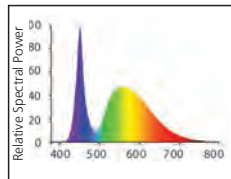
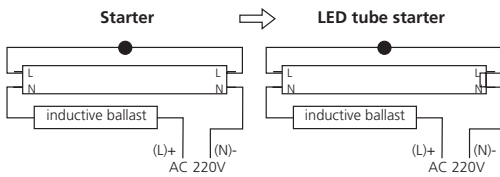
ToLEDo V3 T8 Tube

Code	Description	Watt (W)	Voltage (V)	Light Distribution Angle (°)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Energy Class
2ft - 600mm									
0027370	ToLEDo T8 V3 2ft 10W 1000lm 840	10	110-240	320	G13	4000	1000	40,000	A+
0027371	ToLEDo T8 V3 2ft 10W 1000lm 865	10	110-240	320	G13	6500	1000	40,000	A+
4ft - 1200mm									
0027374	ToLEDo T8 V3 4ft 20W 2000lm 840	20	110-240	320	G13	4000	2000	40,000	A+
0027375	ToLEDo T8 V3 4ft 20W 2000lm 865	20	110-240	320	G13	6500	2000	40,000	A+
5ft - 1500mm									
0027376	ToLEDo T8 V3 5ft 27W 2700lm 840	27	110-240	320	G13	4000	2700	40,000	A+
0027377	ToLEDo T8 V3 5ft 27W 2700lm 865	27	110-240	320	G13	6500	2700	40,000	A+

Cool white - 840



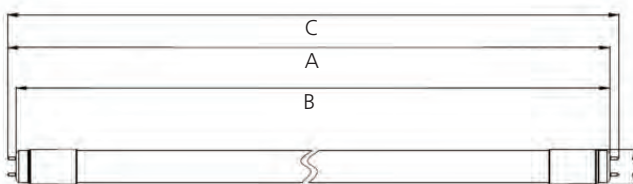
Daylight - 865

Remove existing starter and replace with the starter provided with the lamp
 Not suitable for use on emergency or tandem ballast applications

Safety note:

In case a parallel capacitor for power factor compensation is used inside the luminaire, it will reduce the power factor in combination with LED tubes and thus can impact the energy consumption. According to local requirements/regulations, consider that power factor/capacitor could need to be adjusted.



Dimensions (mm)

	A	B	C
2ft	Max 596.9	589.8	604
4ft	Max 1206.3	1199.2	1213.4
5ft	Max 1506.9	1499.8	1514.0



65 Relumina



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



68 Superia CMI-TT



69 BriteSpot



71 HSI



78 High Pressure Sodium



HID Lamps

High Intensity Discharge (HID) lamps comprise three major groups – metal halide, high pressure sodium, 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.

Relumina

Sylvania's new Relumina is a solution to the Energy related Product ban on Mercury lamps across the European Union, which took place in April 2015. The Relumina lamp, consisting of ceramic metal halide technology, is a direct retrofit solution for Mercury installations - requiring no change of existing control gear. Relumina offers significant energy savings, quick payback and improved quality of light all with the simplicity of a one-to-one lamp replacement.





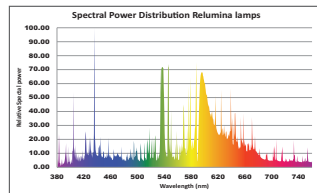
- Direct Retrofit replacement of HPMV (High Pressure Mercury Vapor)
- Energy saving solution for HPMV
- Highly efficient lamp with luminous efficacy up to 93 lm/w
- Fast payback within 4,000-10,000 hours of use
- Excellent CRI
- Long life
- High quality light (3,000K)
- Meets and exceeds legislation needs.
- Reduced CO2 level



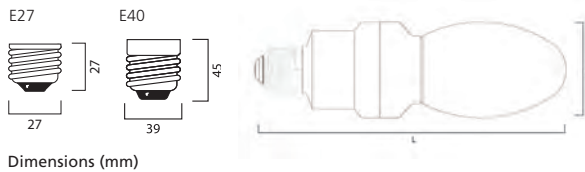
Relumina

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0020240	Relumina 50W WDL E27	50	90	Coated	E27	3000	84	4300	18,000	10	A+
0020241	Relumina 80W WDL E27	80	90	Coated	E27	3000	84	7200	18,000	10	A+
0020242*	Relumina 150W WDL E40*	150	95	Coated	E40	3000	84	14000	18,000	10	A+

* Available in 2016 - For availability timing please consult your sales representative



Wattage	D (mm)	L (mm)
50W	62	182
80W	62	182
150W	87	238





CMI-T



CMI-TC



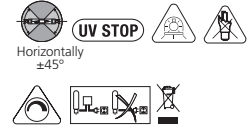
CMI-TD

- Unique and exclusively designed shaped arc tube for optimal performance
- 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 are suitable for both electronic and electromagnetic gear but NDL types are recommended on electronic gear for optimal performance
- Superia CMI lamps can be “Dimmed” in accordance with the “Dimming Condition” specified on the datasheet available on the website

CMI-T / CMI-TC



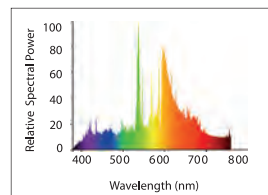
CMI-TD



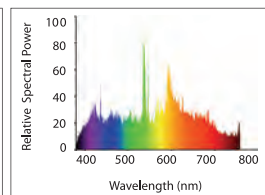
Superia CMI-T/ CMI-TC / CMI-TD

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Superia CMI-T											
0020296	Superia CMI-T 20W/WDL	20	90	Clear	G12	3000	85	1900	18,000	12	A+
0020300	Superia CMI-T 35W/WDL	35	80	Clear	G12	3000	91	4000	18,000	12	A+
0020290	Superia CMI-T 35W/NDL	35	75	Clear	G12	4200	94	4000	18,000	12	A+
0020293	Superia CMI-T 50W WDL	50	90	Clear	G12	3000	87	4000	18,000	12	A+
0020295	Superia CMI-T 100W WDL	100	90	Clear	G12	3000	85	10500	18,000	12	A+
0020301	Superia CMI-T 70W/WDL	70	80	Clear	G12	3000	90	7300	18,000	12	A+
0020305	Superia CMI-T 70W/NDL	70	85	Clear	G12	4200	96	7300	15,000	12	A+
0020302	Superia CMI-T 150W/WDL	150	80	Clear	G12	3000	90	14700	18,000	12	A+
0020306	Superia CMI-T 150W/NDL	150	85	Clear	G12	4200	96	13700	18,000	12	A+
Superia CMI-TC											
0020297	Superia CMI-TC 20W/WDL	20	90	Clear	G8.5	3000	87	1900	18,000	12	A+
0020303	Superia CMI-TC 35W/WDL	35	80	Clear	G8.5	3000	91	4000	18,000	12	A+
0020291	Superia CMI-TC 35W/NDL	35	75	Clear	G8.5	4200	93	3800	18,000	12	A+
0020294	Superia CMI-TC 50W/WDL	50	90	Clear	G8.5	3000	87	5000	18,000	12	A+
0020304	Superia CMI-TC 70W/WDL	70	80	Clear	G8.5	3000	90	7300	18,000	12	A+
0020292	Superia CMI-TC 70W/NDL	70	85	Clear	G8.5	4200	96	7300	15,000	12	A+
Superia CMI-TD											
0020307	Superia CMI-TD 70W/WDL	70	80	Clear	RX7s	3000	91	7000	18,000	12	A+
0020308	Superia CMI-TD 70W/NDL	70	80	Clear	RX7s	4200	96	6800	18,000	12	A+
0020309	Superia CMI-TD 150W/WDL	150	80	Clear	RX7s-24	3000	90	14000	18,000	12	A+
0020310	Superia CMI-TD 150W/NDL	150	80	Clear	RX7s-24	4200	96	13000	18,000	12	A+

Ceramic Metal Halide CMI WDL



Ceramic Metal Halide CMI NDL



	CMI-T 35W	70W	100W	150W
D	20	20	20	20
L	90	90	100	100
LCL	56	56	56	-

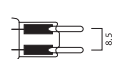
	CMI-TD 70W	150W
D	22	25
L	118	135
LCL	56	56

	CMI-TC 35W	70W
D	17	17
L	85	85

G12



G8.5



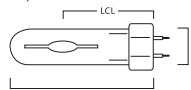
RX7s



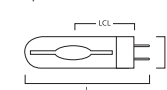
RX7s-24



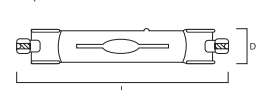
Superia CMI-T



Superia CMI-TC



Superia CMI-TD





CMI-T

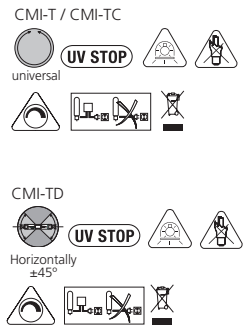


CMI-TC



CMI-TD

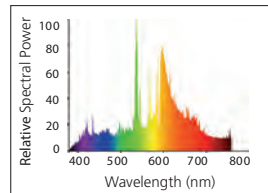
- Unique and exclusively designed arc tube for optimal performance
- Ceramic arc tube ensures colour uniformity and stability throughout lamp life
- Very high luminous efficiency in a compact lamp format
- Excellent colour rendering
- UV-stop quartz reduces colour fading of merchandise
- For use only in luminaires equipped with a protective cover glass
- Applications in both interior and exterior lighting – shops, hotel lobbies and architectural
- WDL types are suitable for both electronic and electromagnetic gear but NDL types are recommended on electronic gear for optimal performance
- Superia CMI lamps can be “Dimmed” in accordance with the “Dimming Condition” specified on the datasheet available on the website



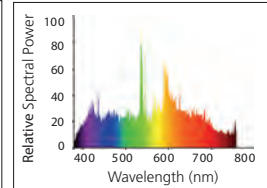
CMI-T / CMI-TC / CMI-TD

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
CMI-T											
0020365	CMI-T 35W/WDL	35	80	Clear	G12	3000	86	3750	15,000	12	A+
0020367	CMI-T 35W/NDL	35	75	Clear	G12	4200	91	3750	15,000	12	A+
0020369	CMI-T 70W/WDL	70	80	Clear	G12	3000	87	6700	15,000	12	A+
0020371	CMI-T 70W/NDL	70	85	Clear	G12	4200	93	6700	15,000	12	A+
0020375	CMI-T 150W/WDL	150	80	Clear	G12	3000	86	13800	15,000	12	A+
0020376	CMI-T 150W/NDL	150	85	Clear	G12	4200	91	13500	15,000	12	A+
CMI-TC											
0020366	CMI-TC 35W/WDL	35	80	Clear	G8.5	3000	86	3750	15,000	12	A+
0020368	CMI-TC 35W/NDL	35	75	Clear	G8.5	4200	91	3750	15,000	12	A+
0020370	CMI-TC 70W/WDL	70	80	Clear	G8.5	3000	87	6700	15,000	12	A+
0020374	CMI-TC 70W/NDL	70	85	Clear	G8.5	4200	93	6700	15,000	12	A+
CMI-TD											
0020372	CMI-TD 70W/WDL	70	80	Clear	Rx7s	3000	86	6500	15,000	12	A+
0020373	CMI-TD 70W/NDL	70	80	Clear	RX7s	4200	93	6300	12,000	12	A+
0020377	CMI-TD 150W/WDL	150	80	Clear	Rx7s-24	3000	86	13700	15,000	12	A+
0020378	CMI-TD 150W/NDL	150	80	Clear	Rx7s-24	4200	90	13000	15,000	12	A+

CMI 3000K



CMI 4200K



Dimensions (mm)

CMI-T	35W	70W	150W
L / Length (mm)	90	90	100
CMI-TC	35W	70W	
L / Length (mm)	85	85	
CMI-TD		70W	150W
L / Length (mm)		118	135
D / Diameter (mm)		22	25

G12



G8.5



RX7s

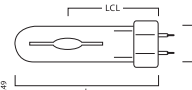


RX7s-24

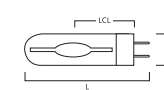


Dimensions (mm)

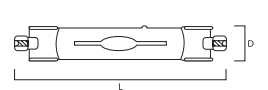
CMI-T



CMI-TC

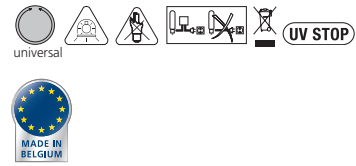


CMI-TD





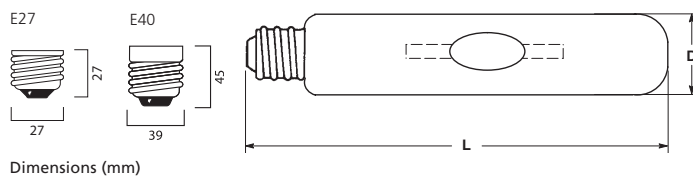
- Unique and exclusively designed arc tube for optimal performance
- Ceramic arc tube ensures colour uniformity and stability throughout lamp life
- Very high luminous efficiency in a compact lamp format
- Excellent colour rendering
- For use only in luminaires equipped with a protective cover glass
- Direct retrofit for High Pressure Sodium lamps for pleasant white light with high colour rendition
- Exterior applications such as car parks, perimeter lighting, security and building entrances.
- Superia CMI-TT lamps can be “Dimmed” in accordance with the “Dimming Condition” specified on the datasheet available on the website



Superia CMI-TT

Code	Description	Watt (W)	Voltage (V)	Lamp Finsh	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0020379	SUPERIA CMI-TT 50W/WDL	50	85	Clear	E27	3300	80	5000	20,000	40	A+
0020380	SUPERIA CMI-TT 70W/WDL	70	85	Clear	E27	3200	86	7150	20,000	40	A+
0020381	SUPERIA CMI-TT 100W/WDL	100	95	Clear	E40	3000	80	10000	24,000	12	A+
0020382	SUPERIA CMI-TT 150W/WDL	150	90	Clear	E40	3,300	82	14500	24,000	12	A+

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



Dimensions (mm)



BriteSpot ES50 35W



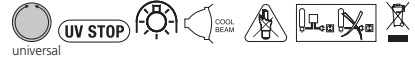
Britespot ESD50 Dichroic

- 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.feilosylvania.com)
- Wide range of interior applications in retail, restaurants, hotels, galleries and residential

BriteSpot ES



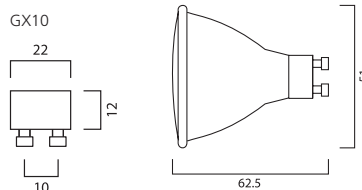
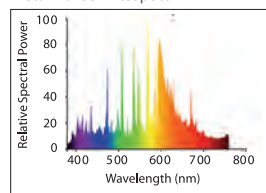
BriteSpot ESD



Britespot ES50™ / ESD50™

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
BriteSpot ES50™											
0020272	BriteSpot ES50 35W 24°	35	100	24	GX10	3000	90	1950	6,000	15	A
0020270	BriteSpot ES50 35W 38°	35	100	38	GX10	3000	90	1850	6,000	15	A
0020271	BriteSpot ES50 35W 60°	35	100	60	GX10	3000	90	1850	6,000	15	A
BriteSpot ESD50™ Dichroic											
0020273	BriteSpot ESD50 35W 24°	35	100	24	GX10	3000	90	1950	6,000	15	A
0020274	BriteSpot ESD50 35W 38°	35	100	38	GX10	3000	90	1850	6,000	15	A
0020275	BriteSpot ESD50 35W 60°	35	100	60	GX10	3000	90	1850	6,000	15	A

Metal Halide BriteSpot /WDL



Dimensions (mm)

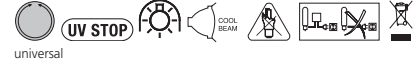


- Attractively styled lamp adds a touch of class to lighting designs
- Very high efficiency thanks to the large reflector and patented anti-glare optics
- Crisp, powerful white light with outstanding colour rendering index of Ra90
- Extremely high intensity possible with narrow beam versions, ideal for 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
- Wide range of interior applications in shops, restaurants, hotels, galleries and many other cultural and leisure venues

BriteSpot ES



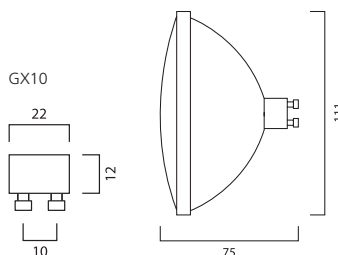
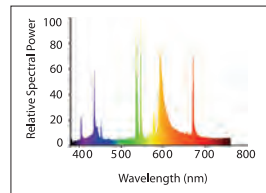
BriteSpot ESD



Britespot ES111™ / ESD111™

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
BriteSpot ES111™											
0020200	BriteSpot ES111 35W 8°	35	100	8	GX10	3000	90	1950	6,000	15	A
0020201	BriteSpot ES111 35W 24°	35	100	24	GX10	3000	90	1800	6,000	15	A
0020202	BriteSpot ES111 35W 45°	35	100	45	GX10	3000	90	1750	6,000	15	A
BriteSpot ESD111™ Dichroic											
0020207	BriteSpot ESD111 70W 24°	70	100	24	GX10	3000	90	3850	6,000	15	A
0020208	BriteSpot ESD111 70W 45°	70	100	45	GX10	3000	90	3600	6,000	15	A

Metal Halide BriteSpot / WDL



Dimensions (mm)



HSI-MP Metalarc Clear



HSI-MP Metalarc Coated

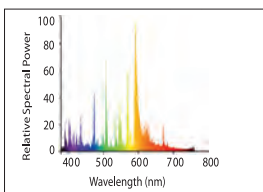
- A family of metal halide lamps specially designed for open and enclosed fixtures
- Lamps can directly replace High Pressure Sodium lamps to turn yellow installations to white light, simply by changing the lamp - for example, floodlighting, car parks
- Long service life of 15,000 hours keeps maintenance 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



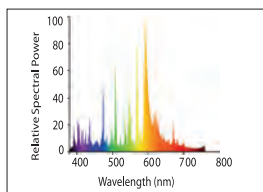
HSI-MP Metalarc

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
HSI-MP Metalarc											
0020810	HSI-MP 70W CL/WDL	70	95	Clear	E27	3000	65	5500	15,000	12	A
0020811	HSI-MP 70W CO/WDL	70	95	Coated	E27	2900	70	5200	15,000	12	A
0020812	HSI-MP 70W CL/NDL	70	95	Clear	E27	4000	70	5800	15,000	12	A
0020813	HSI-MP 70W CO/NDL	70	95	Coated	E27	3800	70	5500	15,000	12	A
0020820	HSI-MP 100W CL/WDL	100	100	Clear	E27	3000	65	8500	15,000	12	A
0020821	HSI-MP 100W CO/WDL	100	100	Coated	E27	2900	70	7900	15,000	12	A
0020822	HSI-MP 100W CL/NDL	105	100	Clear	E27	4000	70	8500	15,000	12	A
0020823	HSI-MP 100W CO/NDL	100	105	Coated	E27	3800	70	8100	15,000	12	A
0020830	HSI-MP 150W CL/WDL	150	95	Clear	E27	3000	65	13000	15,000	12	A+
0020831	HSI-MP 150W CO/WDL	150	95	Coated	E27	2900	70	12500	15,000	12	A
0020832	HSI-MP 150W CL/NDL	150	95	Clear	E27	4000	70	13000	15,000	12	A+
0020833	HSI-MP 150W CO/NDL	150	95	Coated	E27	3800	70	12500	15,000	12	A

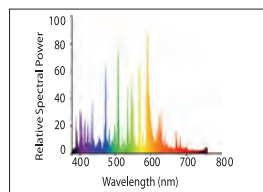
Metal Halide HSI-MP/WDL/CL



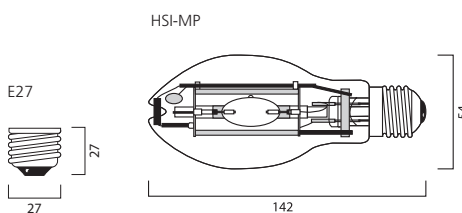
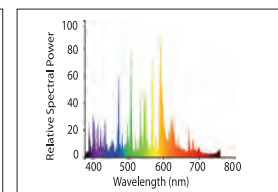
Metal Halide HSI-MP/WDL/CO



Metal Halide HSI-MP/NDL/CL



Metal Halide HSI-MP/NDL/CO



Dimensions (mm)



HSI-TD MetalArc 70W/150W



HSI-TD MetalArc 250W

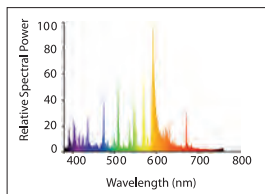
- Double ended quartz metal halide lamps with a compact tubular clear outer envelope
- Choice of three different colour temperatures: Warm, Neutral White and Daylight
- UV-stop outer jacket for reduced risks of fading
- High efficiency, compact arc tube
- Suitable for general interior lighting in uplights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



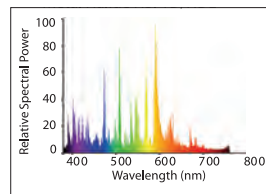
HSI-TD Metalarc

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
HSI-TD MetalArc											
0020230	HSI-TD 70W/WDL	70	95	Clear	RX7S	3000	80	5500	12,000	10	A
0020231	HSI-TD 70W/NDL	70	95	Clear	RX7S	4200	80	5800	12,000	10	A
0020234	HSI-TD 70W/D	70	95	Clear	RX7S	5600	80	5800	12,000	10	A
0020232	HSI-TD 150W/WDL	150	95	Clear	RX7S-24	3000	80	12500	12,000	10	A
0020233	HSI-TD 150W/NDL	150	95	Clear	RX7S-24	4200	80	12500	12,000	10	A
0020235	HSI-TD 150W/D	150	102	Clear	RX7S-24	5200	80	11000	12,000	10	A
0021036	HSI-TD 250W/WDL	250	100	Clear	FC2	3200	70	20000	9,000	10	A
0021037	HSI-TD 250W/NDL	250	100	Clear	FC2	4200	70	20000	9,000	10	A
0021047	HSI-TD 250W/D	250	112	Clear	FC2	5200	70	18000	9,000	10	A

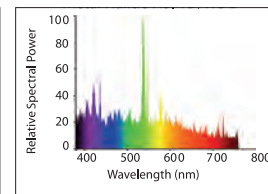
Metal Halide HSI-TD/WDL



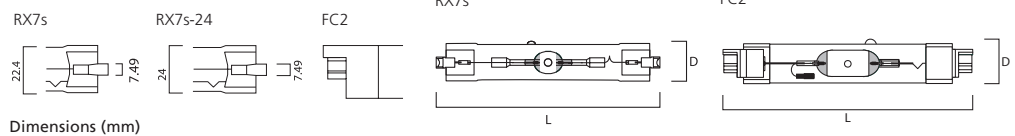
Metal Halide HSI-TD/NDL



Metal Halide HSI-TD/D



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





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



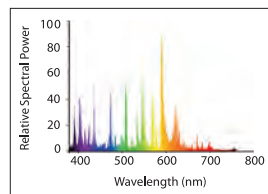
HSI-SX/TSX BriteLux



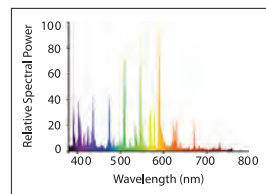
HSI-SX / HSI-TSX BriteLux

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
HSI-SX BriteLux Elliptical											
0020772	HSI-SX 250W/CL BriteLux	250	100	Clear	E40	4100	70	23500	20,000	12	A+
0020776	HSI-SX 250W/CL/P BriteLux	250	100	Clear	E40	4500	70	21000	15,000	12	A
0020771	HSI-SX 250W/CO BriteLux	250	100	Coated	E40	3800	70	22300	15,000	12	A
0020775	HSI-SX 250W/CO/P BriteLux	250	100	Coated	E40	4200	70	20000	15,000	12	A
0020774	HSI-SX 400W/CL/P BriteLux	400	120	Clear	E40	4300	70	42000	15,000	6	A
0020773	HSI-SX 400W/CO/P BriteLux	400	120	Coated	E40	4200	70	40000	15,000	6	A+
HSI-TSX BriteLux Tubular											
0024407	HSI-TSX 250W BriteLux	250	100	Clear	E40	4200	70	21000	20,000	12	A
0024409	HSI-TSX 400W BriteLux	400	105	Clear	E40	4200	70	40000	20,000	12	A+

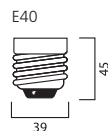
Metal Halide HSI-(T)SX/CL



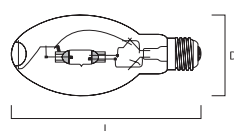
Metal Halide HSI-(T)SX/CO



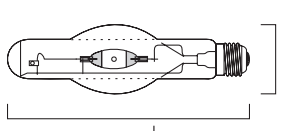
HSI-SX	250W	400W
L	227	290
D	90	120
HSI-TSX	250W	400W
L	260	270
D	48	63



HSI-SX



HSI-TSX



HSI-T Daylight



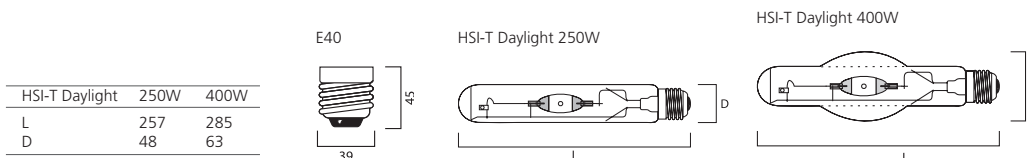
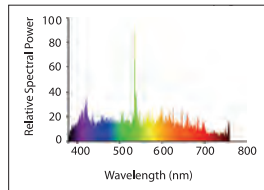
- Single ended metal halide lamps with crisp daylight colour
- Excellent colour rendering Class 1A
- High light output
- Good lumen maintenance over life
- Industrial lighting e.g. car parks, rail yards, petrol stations and street lighting
- Sports arena lighting



HSI-T Daylight

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
HSI-T Daylight											
0020530	HSI-T 250W/D	250	112	Clear	E40	5300	90	20000	20,000	12	A
0020531	HSI-T 400W/D	400	122	Clear	E40	6100	90	32000	20,000	12	A

Metal Halide HSI-T/ Daylight





HSI-HX Elliptical



HSI-THX Tubular

- 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-HX/1 & HSI-THX



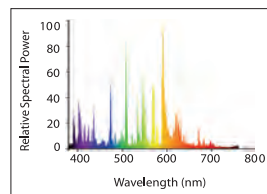
HSI-HX / HSI-THX

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
HSI-HX Elliptical*											
0020357	HSI-HX 250W/CL	250	130	Clear	E40	4500	70	23000	20,000	12	A+
0020355	HSI-HX 250W/CO	250	130	Coated	E40	3800	70	21000	20,000	12	A+
0020353	HSI-HX 400W/CL	400	130	Clear	E40	4500	70	37000	20,000	12	A+
0020350	HSI-HX 400W/CO	400	130	Coated	E40	3800	70	35200	20,000	12	A+
0020351	HSI-HX 400W/CO**	400	130	Coated	E40	3800	70	35200	20,000	12	A+
HSI-THX Tubular*											
0020394	HSI-THX 250W	245	130	Clear	E40	4500	70	20000	20,000	12	A
0020546	HSI-THX 400W	400	130	Clear	E40	4200	70	36000	20,000	12	A+
HSI-HX & HSI-THX Basic											
0020346	HSI-TX Basic 250W/CO	250	128	Clear	E40	4200	70	18000	15,000	12	A
0020347	HSI-TX Basic 400W/CO	400	125	Clear	E40	4200	70	35000	15,000	12	A+
0020393	HSI-THX Basic 250W	245	130	Clear	E40	4000	70	19000	15,000	12	A
0020544	HSI-THX Basic 400W	400	130	Clear	E40	4000	70	32000	15,000	12	A

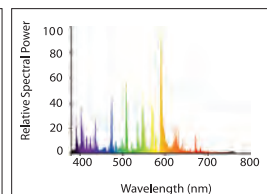
* made in Belgium

** Includes internal starter

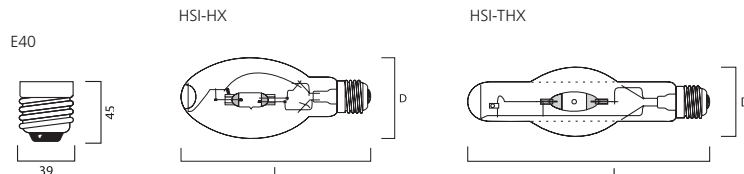
Metal Halide HSI-(T)HX/CL



Metal Halide HSI-(T)HX/CO



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





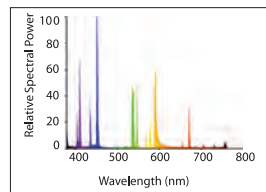
- Single ended quartz metal halide lamps with a tubular outer envelope
- Both internal and external ignitor versions available
- All versions operate on a standard mercury ballast, with or without (I type) external ignitor
- Very high light output with outstanding colour properties
- Suitable for colour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



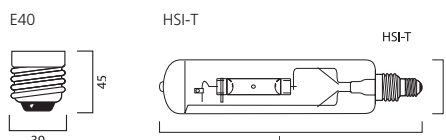
HSI-T

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
HSI-T											
0020595	HSI-T 1000W	1000	130	Clear	E40	4300	55	80000	8,000	4	A
0020533	HSI-T 2000W-S/380V	2000	235	Clear	E40	4000	70	200000	7,000	4	A+
0020540	HSI-T 2000W-S/I/380V	2000	235	Clear	E40	4000	70	200000	7,000	4	A+

Metal Halide HSI-T 2000W/NDL



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



Dimensions (mm)



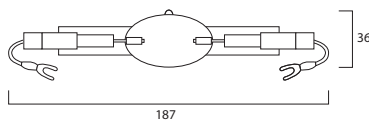
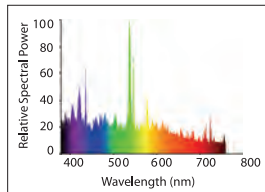
- Compact double ended quartz metal halide lamp
- Short arc source allows for good optical control in floodlighting luminaires
- No outer envelope required, permitting the design of compact luminaires
- Very high light output with excellent colour rendering properties
- Suitable for colour television 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)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
HSI-TD											
0020349	HSI-TD 1000W/D	1000	130	Clear	Cable	5900	80	90000	6,000	10	A+
0020339	HSI-TD 2000W/D	2000	205	Clear	Cable	5900	80	200000	4,000	10	A+

Metal Halide HSI-TD 2000W/D



Dimensions (mm)

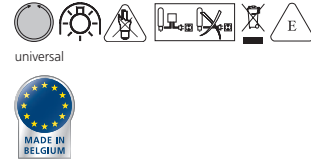


SHP-S TwinArc Elliptical



SHP-TS TwinArc Tubular

- 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

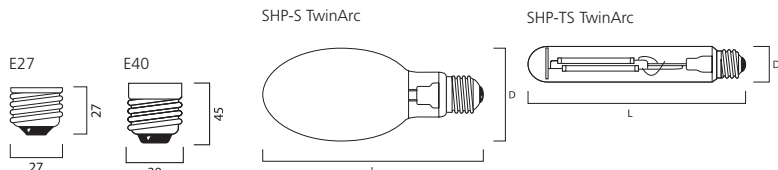


SHP-S / SHP-TS Twinarc

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
SHP-S TwinArc Elliptical											
0020720	SHP-S 35W TwinArc	35	90	Coated	E27	2050	20	2000	40,000	40	B
0020717	SHP-S 50W TwinArc	50	85	Coated	E27	2050	20	3600	40,000	40	A
0020719	SHP-S 70W TwinArc	70	90	Coated	E27	2050	20	6000	55,000	40	A+
0020726	SHP-S 100W TwinArc	100	100	Coated	E27	2050	20	9500	55,000	40	A+
0020725	SHP-S 100W TwinArc	100	100	Coated	E40	2050	20	9500	55,000	40	A+
0020740	SHP-S 150W TwinArc	150	100	Coated	E40	2050	20	15500	55,000	12	A+
0020742	SHP-S 250W TwinArc	250	100	Coated	E40	2050	20	30000	55,000	12	A+
0020744	SHP-S 400W TwinArc	410	105	Coated	E40	2050	20	52500	55,000	12	A+
SHP-TS TwinArc Tubular											
0020712	SHP-TS 50W TwinArc	50	85	Clear	E27	2050	20	4000	40,000	40	A
0020718	SHP-TS 70W TwinArc	70	90	Clear	E27	2050	20	6500	55,000	40	A+
0020724	SHP-TS 100W TwinArc	100	100	Clear	E40	2050	20	10000	55,000	12	A+
0020739	SHP-TS 150W TwinArc	150	100	Clear	E40	2050	20	17000	55,000	12	A+
0020741	SHP-TS 250W TwinArc	255	100	Clear	E40	2050	20	32000	55,000	12	A+
0020743	SHP-TS 400W TwinArc	400	100	Clear	E40	2050	20	55000	55,000	12	A++

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



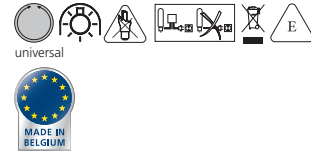


SHP-S Super Elliptical



SHP-TS Super Tubular

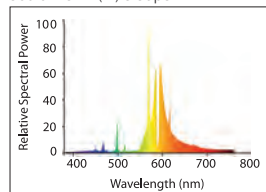
- Patented new construction featuring the Sylvania Wound Ignition Antenna for the ultimate starting reliability throughout lamp life
- Exclusive 'frameless' construction delivers superior system efficiency and improves lumen maintenance over life
- Exceptional reliability, offering 4 years service with 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



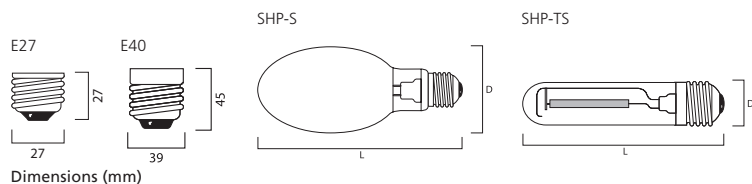
SHP-S/SHP-TS Super

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
SHP-S Super Elliptical											
0020448	SHP-S 35W	35	90	Coated	E27	2050	20	2000	25,000	40	B
0020688	SHP-S 50W	50	85	Coated	E27	2050	20	3600	24,000	40	A
0020690	SHP-S 70W	70	90	Coated	E27	2050	20	6000	30,000	40	A
0020692	SHP-S 100W	100	100	Coated	E40	2050	20	9500	30,000	40	A+
0020693	SHP-S 150W	150	100	Coated	E40	2050	20	16000	32,000	12	A+
0020715	SHP-S 250W	250	100	Coated	E40	2050	20	30000	32,000	12	A+
0020716	SHP-S 400W	400	105	Coated	E40	2050	20	54000	32,000	12	A++
SHP-TS Super Tubular											
0020326	SHP-TS 35W	35	90	Clear	E27	2050	20	2100	25,000	40	B
0020687	SHP-TS 50W	50	85	Clear	E27	2050	20	4200	24,000	40	A
0020678	SHP-TS 70W	70	90	Clear	E27	2050	20	6800	30,000	40	A+
0020686	SHP-TS 100W	100	100	Clear	E40	2050	20	11000	30,000	12	A+
0020685	SHP-TS 150W	150	100	Clear	E40	2050	20	18000	32,000	12	A+
0020713	SHP-TS 250W	255	100	Clear	E40	2050	20	33400	32,000	12	A++
0020714	SHP-TS 400W	400	100	Clear	E40	2050	20	55500	32,000	12	A++
0020805	SHP-TS 600W	600	110	Clear	E40	2050	20	90000	24,000	12	A++

Sodium SHP-(T) 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 Standard & Basic Plus



SHP-T Standard & Basic Plus

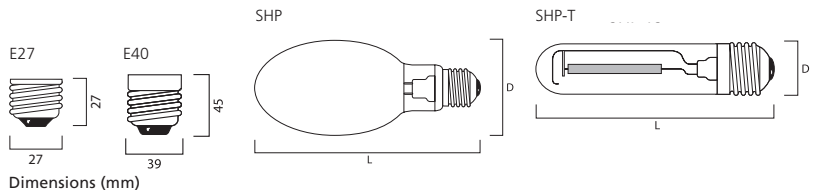
- ErP compliant High Pressure Sodium Lamps
- Long life between 24,000 to 28,000 hours, T90 at 16,000 hours
- Strong performance with high reliability
- Car park, Street and Floodlighting applications



SHP / SHP-T Standard and Basic Plus

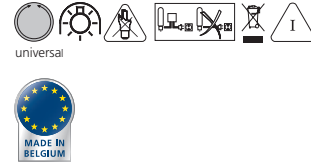
Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
SHP / SHP-T Standard*											
0020554	SHP 50W	50	85	Coated	E27	2000	20	3300	24,000	40	A
0020555	SHP 70W	70	90	Coated	E27	2050	20	5800	24,000	40	A
0020481	SHP 250W	250	100	Coated	E40	2050	20	26000	24,000	12	A+
0020484	SHP 400W	400	105	Coated	E40	2050	20	47000	24,000	12	A+
0020455	SHP-T 50W	50	85	Clear	E27	2050	20	4000	24,000	40	A
0020457	SHP-T 70W	70	90	Clear	E27	2050	20	6000	24,000	40	A
0020482	SHP-T 250W	250	100	Clear	E40	2050	20	28000	24,000	12	A+
0020485	SHP-T 400W	400	100	Clear	E40	2050	20	48000	24,000	12	A+
0020504	SHP-T 1,000W	1000	100	Clear	E40	2050	25	130000	18,000	4	A+
SHP / SHP-T Basic Plus											
0020841	SHP 70W Basic Plus	70	90	Coated	E27	2000	20	6040	28,000	40	A
0020839	SHP 100W Basic Plus	100	100	Coated	E27	2000	20	9500	28,000	40	A
0020842	SHP 150W Basic Plus	150	100	Coated	E40	2000	20	19000	28,000	12	A+
0020843	SHP 250W Basic Plus	250	100	Coated	E40	2000	20	29000	28,000	12	A+
0020844	SHP 400W Basic Plus	400	105	Coated	E40	2000	20	51300	28,000	12	A+
0020846	SHP-T 70W Basic Plus	70	90	Clear	E27	2000	20	6500	28,000	40	A+
0020838	SHP-T 100W Basic Plus	100	100	Clear	E40	2000	20	9000	24,000	12	A+
0020847	SHP-T 150W Basic Plus	150	100	Clear	E40	2000	20	17000	32,000	12	A+
0020848	SHP-T 250W Basic Plus	250	100	Clear	E40	2000	20	33000	32,000	12	A+
0020849	SHP-T 400W Basic Plus	400	105	Clear	E40	2000	20	55000	32,000	12	A+
0020748	SHP-T 1,000W Basic Plus	1000	100	Clear	E40	2050	>25	130000	20,000	4	A+

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





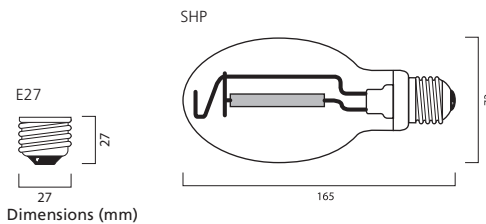
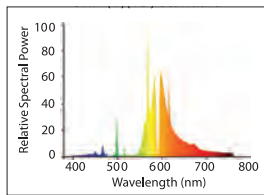
- Range of high pressure sodium lamps with internal ignitor
- Cost reduction opportunities since no ignitor or external wiring is required
- Enables luminaire size to be reduced since no ignitor is required
- Available in clear or coated elliptical bulbs
- Popular choice for parks, gardens, pedestrian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



SHP Self-Starting


Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	CRI	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
SHP Self-Starting Elliptical											
0020551	SHP 70W/CO-I	70	90	Coated	E27	2050	20	5800	20,000	40	A

SHP-(T)(TD) Standard





FLUORESCENT TUBES

85	T5	
90	T8	
97	T12 IRS	
98	T5 Circline Plus	
99	T9 Circline Plus	
100	Cop Safety Starters	
101	FS Standard Starters	

Fluorescent Tubes

The key benefits of fluorescent lamps are their proven efficiency, 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 halo phosphor or hi-phosphor 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.



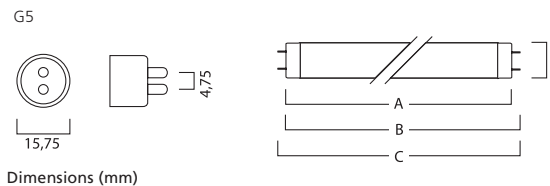
- Up to 10% energy saving on constant current electronic ballast
- Reduction in power consumption of up to 7W
- High luminous efficiency of up to 116 lm/W
- Optimum luminous flux at an ambient temperature of approx 35°
- The same lumen output as compared with Standard LUXLINE T5 FHE & FHO lamps
- Up 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 24,000 hours with pre-heating ballast



T5 Linear Ecoline Fluorescent

Code	Description	Watt (W)	Replacement Wattage (W)	Base to Base Lamp Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux Nominal at 25°	Luminous Flux Nominal at 35°	Packing Qty	Energy Class
T5 High Efficiency Series (830)											
0002902	FHE-13W/T5/830	13	14	549	85	G5	3000	1150	1350	25	A+
0002926	FHE-19W/T5/830	19	21	849	85	G5	3000	1900	2100	25	A+
0002906	FHE-25W/T5/830	25	28	1149	85	G5	3000	2600	2900	25	A+
0002910	FHE-32W/T5/830	32	35	1449	85	G5	3000	3100	3650	25	A+
T5 High Efficiency Series (840)											
0002901	FHE-13W/T5/840	13	14	549	85	G5	4000	1150	1350	25	A+
0002925	FHE-19W/T5/840	19	21	849	85	G5	4000	1900	2100	25	A+
0002905	FHE-25W/T5/840	25	28	1149	85	G5	4000	2600	2900	25	A+
0002909	FHE-32W/T5/840	32	35	1449	85	G5	4000	3100	3650	25	A+
T5 High Output Series (830)											
0002914	FHO-20W/T5/830	20	24	549	85	G5	3000	1650	2000	25	A+
0002918	FHO-35W/T5/830	35	39	849	85	G5	3000	3250	3500	25	A+
0002921	FHO-45W/T5/830	45	49	1149	85	G5	3000	4250	4900	25	A+
0002924	FHO-50W/T5/830	50	54	1449	85	G5	3000	4450	5000	25	A+
0002928	FHO-73W/T5/830	73	80	1449	85	G5	3000	6150	7000	25	A+
T5 High Output Series (840)											
0002913	FHO-20W/T5/840	20	24	549	85	G5	4000	1650	2000	25	A+
0002917	FHO-35W/T5/840	35	39	849	85	G5	4000	3250	3500	25	A+
0002920	FHO-45W/T5/840	45	49	1149	85	G5	4000	4200	4900	25	A+
0002923	FHO-50W/T5/840	50	54	1149	85	G5	4000	4450	5000	25	A+
0002927	FHO-73W/T5/840	73	80	1449	85	G5	4000	6150	7000	25	A+

	A max	B min	B max	C max	D nom
13W	549	553.7	556.1	563.2	16
19W	849	853.7	856.1	863.2	16
20W	549	553.7	556.1	563.2	16
25W	1149	1153.7	1156.1	1163.2	16
32W	1449	1453.7	1456.1	1463.2	16
35W	849	853.7	856.1	863.2	16
45W	1449	1453.7	1456.1	1463.2	16
50W	1149	1153.7	1156.1	1163.2	16
73W	1449	1453.7	1456.1	1463.2	16





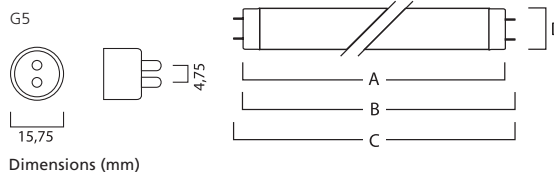
- T5 Luxline Plus triphosphor lamp ideal solution for new, slim, aesthetic luminaires
- High luminous efficacy of up to 104 lm/W
- For electronic ballast operation only
- Optimum luminous flux at an ambient temperature of 35°C
- Average life time of 24,000 hours with pre-heating ballast



T5 FHE Luxline® Plus

Code	Description	Watt (W)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Luminous Colour Temperature (K)	Luminous Flux Nominal at 25° (lm)	Luminous Flux Nominal at 35° (lm)	Packing Qty	Energy Class
T5 FHE Luxline Plus Homelight (827)											
0002798	FHE 14W/827	14	0.165	549	85	G5	2700	1200	1350	25	A+
0002799	FHE 21W/827	21	0.165	849	85	G5	2700	1900	2100	25	A+
0002800	FHE 28W/827	28	0.170	1149	85	G5	2700	2600	2900	25	A+
0002801	FHE 35W/827	35	0.175	1449	85	G5	2700	3300	3650	25	A+
T5 FHE Luxline Plus Warm White (830)											
0002760	FHE 14W/830	14	0.165	549	85	G5	3000	1200	1350	25	A+
0002763	FHE 21W/830	21	0.165	849	85	G5	3000	1900	2100	25	A+
0002766	FHE 28W/830	28	0.170	1149	85	G5	3000	2600	2900	25	A+
0002769	FHE 35W/830	35	0.175	1449	85	G5	3000	3300	3650	25	A+
T5 FHE Luxline Plus White (835)											
0002787	FHE 14W/835	14	0.165	549	85	G5	3500	1200	1350	25	A+
0002788	FHE 21W/835	21	0.165	849	85	G5	3500	1900	2100	25	A+
0002789	FHE 28W/835	28	0.170	1149	85	G5	3500	2600	2900	25	A+
0002790	FHE 35W/835	35	0.175	1449	85	G5	3000	3300	3650	25	A+
T5 FHE Luxline Plus Cool White (840)											
0002761	FHE 14W/840	14	0.165	549	85	G5	4000	1200	1350	25	A+
0002764	FHE 21W/840	21	0.165	849	85	G5	4000	1900	2100	25	A+
0002767	FHE 28W/840	28	0.170	1149	85	G5	4000	2600	2900	25	A+
0002770	FHE 35W/840	35	0.175	1449	85	G5	4000	3300	3650	25	A+
T5 FHE Luxline Plus Daylight (865)											
0002762	FHE 14W/865	14	0.165	549	85	G5	6500	1140	1250	25	A+
0002765	FHE 21W/865	21	0.165	849	85	G5	6500	1775	1950	25	A+
0002768	FHE 28W/865	28	0.170	1149	85	G5	6500	2460	2700	25	A+
0002771	FHE 35W/865	35	0.175	1449	85	G5	6500	3095	3400	25	A+

	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	1149	1153.7	1156.1	1163.2	16
35W	1449	1453.7	1456.1	1463.2	16





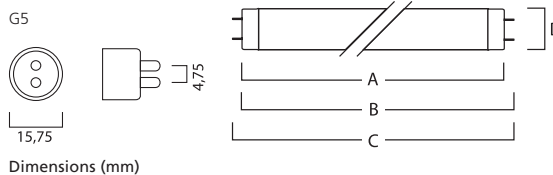
- The T5 FHO Luxline Plus triphosphor lamp is the ideal solution for indirect and direct lighting, i.e. industrial lighting systems with high ceilings
- For applications where a high luminous flux is required (up to 7000 lm per lamp)
- High colour rendering (CRI=85/Class 1B)
- For electronic ballast 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)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Luminous Colour Temperature (K)	Luminous Flux Nominal at 25° (lm)	Luminous Flux Nominal at 35° (lm)	Packing Qty	Energy Class
T5 FHO Luxline Plus (827)											
0002802	FHO 24W/827	24	0.295	549	85	G5	2700	1750	2000	25	A
0002803	FHO 39W/827	39	0.325	849	85	G5	2700	3200	3500	25	A+
0002804	FHO 49W/827	49	0.255	1449	85	G5	2700	4350	4900	25	A+
0002805	FHO 54W/827	54	0.455	1149	85	G5	2700	4450	5000	25	A+
T5 FHO Luxline Plus Warm White (830)											
0002772	FHO 24W/830	24	0.295	549	85	G5	3000	1750	2000	25	A
0002775	FHO 39W/830	39	0.325	849	85	G5	3000	3200	3500	25	A+
0002778	FHO 49W/830	49	0.255	1449	85	G5	3000	4350	4900	25	A+
0002781	FHO 54W/830	54	0.455	1149	85	G5	3000	4450	5000	25	A+
0002784	FHO 80W/830	80	0.530	1449	85	G5	3000	6350	7000	25	A+
T5 FHO Luxline Plus White (835)											
0002791	FHO 24W/835	24	0.295	549	85	G5	3500	1750	2000	25	A
0002792	FHO 39W/835	39	0.325	849	85	G5	3500	3200	3500	25	A+
0002793	FHO 49W/835	49	0.255	1449	85	G5	3500	4350	4900	25	A+
0002794	FHO 54W/835	54	0.455	1149	85	G5	3500	4450	5000	25	A+
T5 FHO Luxline Plus Cool White (840)											
0002773	FHO 24W/840	24	0.295	549	85	G5	4000	1750	2000	25	A
0002776	FHO 39W/840	39	0.325	849	85	G5	4000	3200	3500	25	A+
0002777	FHO 49W/840	49	0.255	1449	85	G5	4000	4350	4900	25	A+
0002782	FHO 54W/840	54	0.455	1149	85	G5	4000	4450	5000	25	A+
0002785	FHO 80W/840	80	0.530	1449	85	G5	4000	6350	7000	25	A+
T5 FHO Luxline Plus Daylight (865)											
0002774	FHO 24W/865	24	0.295	549	85	G5	6500	1600	1850	25	A
0002779	FHO 39W/865	39	0.325	849	85	G5	6500	2900	3250	25	A
0002780	FHO 49W/865	49	0.255	1449	85	G5	6500	4300	4900	25	A+
0002783	FHO 54W/865	54	0.455	1149	85	G5	6500	4450	5000	25	A
0002786	FHO 80W/865	80	0.530	1449	85	G5	6500	6000	6650	25	A

	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)



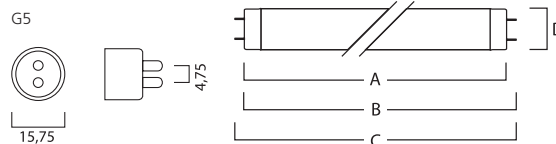
T5 Short Standard

Code	Description	Watt (W)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Luminous Colour Temperature (K)	Luminous Flux at 25° (lm)	Packing Qty	Energy Class
T5 Standard Warm White (530)										
0000014	F6W/29-530	6	0.160	212	53	G5	3000	280	25	A
0000382	F8W/29-530	8	0.145	288	53	G5	3000	400	25	A
0000032	F13W/29-530	13	0.165	517	53	G5	3000	880	25	A
T5 Standard White (535)										
0000002	F4W/35-535	4	0.170	136	64	G5	3500	140	25	B
0000012	F6W/35-535	6	0.160	212	64	G5	3500	280	25	A
0000020	F8W/35-535	8	0.145	288	64	G5	3500	400	25	A
0000030	F13W/35-535	13	0.165	517	64	G5	3500	880	25	A
T5 Standard Cool White (640)										
0000003	F4W/33-640	4	0.170	136	64	G5	4000	140	25	B
0000013	F6W/33-640	6	0.160	212	64	G5	4000	280	25	A
0000021	F8W/33-640	8	0.145	288	64	G5	4000	400	25	A
0000031	F13W/33-640	13	0.165	517	64	G5	4000	880	25	A
T5 Standard Daylight (765)										
0000001	F4W/54-765	4	0.170	136	75	G5	6500	125	25	B
0000011	F6W/54-765	6	0.160	212	75	G5	6500	240	25	B
0000019	F8W/54-765	8	0.145	288	75	G5	6500	340	25	B
0000029	F13W/54-765	13	0.165	517	75	G5	6500	750	25	A

T5 Short Luxline® Plus

Code	Description	Watt (W)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Luminous Colour Temperature (K)	Luminous Flux (lm)	Packing Qty	Energy Class
T5 Short Luxline Plus Warm White (830)										
0000042	F13W/830	13	0.160	517	82	G5	3000	1000	25	A
T5 Short Luxline Plus Cool White (840)										
0000073	F13W/840	13	0.160	517	82	G5	4000	1000	25	A

	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)



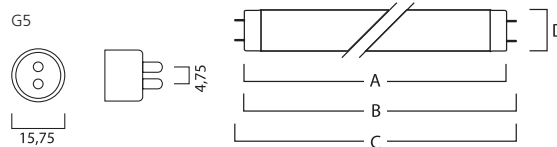
- 16mm fluorescent lamps in Standard and Luxline Plus colours
- For exclusive use in emergency lighting luminaires
- Only for operation by battery with electronic ballast (low lamp currents)
- Reliable ignition with compatible ballast
- Luminous flux dependant on individual ballast



T5 Emergency

Code	Description	Watt (W)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Luminous Colour Temperature (K)	Packing Qty	Energy Class
T5 Emergency Cool White (640)									
0001900	F6W/33-640	6	0.040	212	60	G5	4000	200	A
0001905	F8W/33-640	8	0.040	288	60	G5	4300	200	A
T5 Emergency Daylight (765)									
0001902	F6W/54-765	6	0.040	212	75	G5	6500	200	A
0001908	F8W/54-765	8	0.040	288	75	G5	6500	200	A
T5 Emergency Cool White (840) Luxline Plus									
0001909	F6W/840	6	0.040	212	82	G5	4000	200	A
0001907	F8W/840	8	0.040	288	82	G5	4000	200	A

	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)

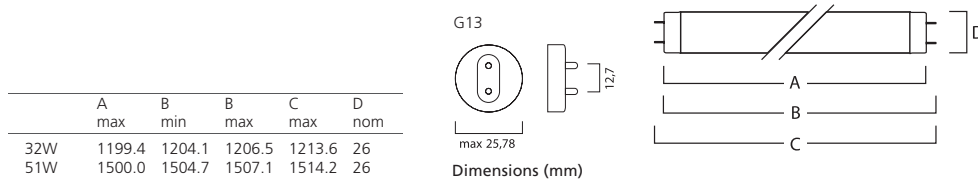


- Intended to replace standard halophosphor T8 lamps offering 10% energy saving with no loss in light output
- T8 fluorescent lamp with high colour rendering and excellent lumen maintenance
- Good colour rendering (CRI=85)
- High luminous efficacy
- Operates on conventional and electronic ballasts
- Meets the lighting requirements as specified in the European Standard EN 12464-1 for workplaces
- Retrofit with standard T8 lamps
- Average rated life 15,000 hours with pre-heating ballast



T8 Luxline® Eco

Code	Description	Watt (W)	Replacement Watt (W)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty	Energy Class
T8 Luxline Eco Warm White (830)											
0001605	F32W/830 T8 ECO	32	36	0.450	1200	85	G13	3000	2600	25	A
0001609	F51W/830 T8 ECO	51	54	0.700	1500	85	G13	3000	4400	25	A
T8 Luxline Eco Cool White (840)											
0001607	F32W/840 T8 ECO	32	36	0.450	1200	85	G13	4000	2600	25	A
0001611	F51W/840 T8 ECO	51	54	0.700	1500	85	G13	4000	4400	25	A
T8 Luxline Eco Daylight (865)											
0001608	F32W/865 T8 ECO	32	36	0.450	1200	85	G13	6500	2500	25	A
0001612	F51W/865 T8 ECO	51	54	0.700	1500	85	G13	6500	4200	25	A





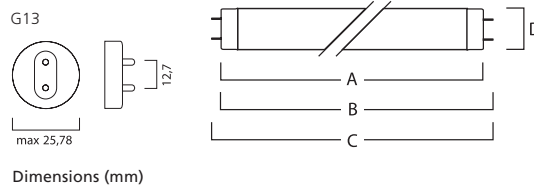
- T8 fluorescent lamp with high colour rendering and excellent lumen maintenance
- Good colour rendering:(CRI=85)
- High luminous efficacy
- Operates on conventional and electronic ballasts
- Meets the lighting requirements as specified in the European Standard EN 12464-1 for workplaces
- Average rated life 20,000 hours with pre-heating ballast



T8 Luxline® Plus

Code	Description	Watt (W)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Luminous Colour Temperature (K)	Luminous Flux at 25° (lm)	Packing Qty	Energy Class
T8 LuxLine Plus Homelight (827)										
0001505	F18W/827	18	0.370	590	85	G13	2700	1350	25	A
0001514	F36W/827	36	0.430	1200	85	G13	2700	3350	25	A
0001535	F58W/827	58	0.670	1500	85	G13	2700	5200	25	A
0000582	F70W/827	70	0.700	1764	85	G13	2700	6200	25	A
T8 LuxLine Plus Warm White (830)										
0001501	F18W/830	18	0.370	590	85	G13	3000	1350	25	A
0001511	F36W/830	36	0.430	1200	85	G13	3000	3350	25	A
0001531	F58W/830	58	0.670	1500	85	G13	3000	5200	25	A
0001093	F70W/830	70	0.700	1764	85	G13	3000	6200	25	A
T8 LuxLine Plus White (835)										
0000580	F18W/835	18	0.370	590	85	G13	3500	1350	25	A
0000578	F36W/835	36	0.430	1200	85	G13	3500	3350	25	A
0001394	F58W/835	58	0.670	1500	85	G13	3500	5200	25	A
0000581	F70W/835	70	0.700	1764	85	G13	3500	6200	25	A
T8 LuxLine Plus Cool White (840)										
0001500	F18W/840	18	0.370	590	85	G13	4000	1350	25	A
0001510	F36W/840	36	0.430	1200	85	G13	4000	3500	25	A
0001530	F58W/840	58	0.670	1500	85	G13	4000	5200	25	A
0001094	F70W/840	70	0.700	1764	85	G13	4000	6200	25	A
T8 LuxLine Plus Daylight (865)										
0001502	F18W/865	18	0.370	590	85	G13	6500	1300	25	A
0001512	F36W/865	36	0.430	1200	85	G13	6500	3250	25	A
0001532	F58W/865	58	0.670	1500	85	G13	6500	5000	25	A
0001095	F70W/865	70	0.700	1764	85	G13	6500	5800	25	A

	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





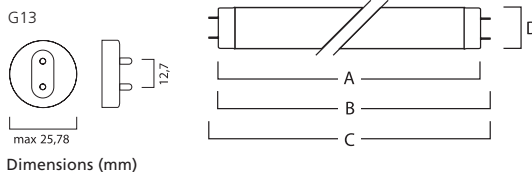
- Standard T8 fluorescent lamps with a wide range of special wattages in standard colours
- Good colour rendering (CRI=85)
- Suitable for areas where people are not engaged in work for long periods of time (EN 12464-1)
- Not intended for use in general lighting applications. Intended for special applications 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)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Luminous Colour Temperature (K)	Luminous Flux (lm)	Packing Qty	Energy Class
T8 Luxline Plus Special Length Warm White (830)										
0001853	F15W/830	15	0.310	438	85	G13	3000	950	25	B
0000870	F16W/830	16	0.200	720	85	G13	3000	1200	25	A
0001079	F30W/830	30	0.365	895	85	G13	3000	2400	25	A
T8 Luxline Plus Special Length White Deluxe (835)										
0000566	F15W/835	15	0.310	438	85	G13	3500	950	25	B
0000872	F16W/835	16	0.200	720	85	G13	3500	1200	25	A
0001077	F30W/835	30	0.365	895	85	G13	3500	2400	25	A
T8 Luxline Plus Special Length Cool White (840)										
0000567	F15W/840	15	0.310	438	85	G13	4000	950	25	B
0000871	F16W/840	16	0.200	720	85	G13	4000	1200	25	A
0000874	F25W/28"/840	25	0.380	691	85	G13	4000	2000	25	A
0000877	F25W/30"/840	25	0.360	742	85	G13	4000	2200	25	A
0000878	F25W/33"/840	25	0.340	818	85	G13	4000	2300	25	A
0001080	F30W/840	30	0.365	895	85	G13	4000	2400	25	A
0001504	F36W/11M/840	36	0.560	970	85	G13	4000	3100	25	A
0001520	F38W/840	38	0.430	1047	85	G13	4000	3300	25	A
T8 Luxline Special Length Daylight (865)										
0000947	F15W/865	15	0.310	438	85	G13	6500	900	25	B
T8 Luxline Plus Special Length Daylight (865)										
0000875	F25W/28"/865	25	0.380	691/28	85	G13	6500	1800	25	A
0000879	F25W/33"/865	25	0.340	818/33	85	G13	6500	2100	25	A
0001078	F30W/865	30	0.365	895	85	G13	6500	2300	25	A

	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





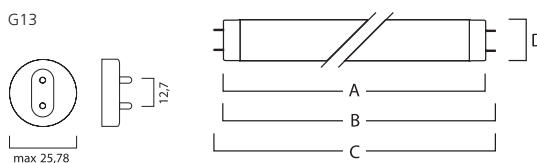
- Multi-phosphor coating for highest colour rendering
- Make colours look natural and vibrant
- Particularly useful in applications where colour rendering is a benefit - eg shops to help make merchandise look more attractive
- Excellent colour rendering (CRI=90-99 / class 1A)
- Average lifetime of 20,000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



T8 Luxline® SuperColour

Code	Description	Watt (W)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Luminous Colour Temperature (K)	Luminous Flux (lm)	Packing Qty	Energy Class
T8 Luxline Supercolour Cool White (940)										
0001580	F18W/940	18	0.370	590	91	G13	4000	1200	25	B
0001581	F36W/940	36	0.430	1200	91	G13	4000	2900	25	A
0001582	F58W/940	58	0.670	1500	91	G13	4000	4600	25	A

	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)



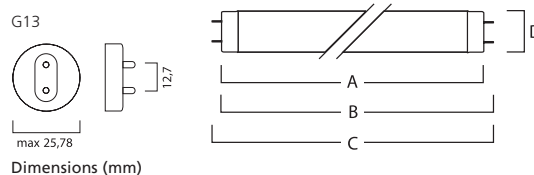
- Luxline Plus ShatterProof lamps provide protection against lamp breakages, where broken lamps could cause significant problems (e.g. clean rooms, kitchens, schools)
- Protection against splinters and other lamp parts
- Sleeve is made of FEP - which can easily withstand high ambient temperature, suitable 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)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Luminous Colour Temperature (K)	Luminous Flux (lm)	Packing Qty	Energy Class
0001493	F36W/840 ShatterProof FEP	36	0.430	1200	85	G13	4000	3350	25	A
0001494	F58W/840 ShatterProof FEP	58	0.670	1500	85	G13	4000	5200	25	A

	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



Dimensions (mm)



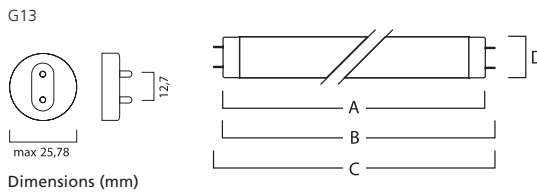
- Standard T8 fluorescent lamps with a wide range of special wattages in standard colours
- Colour rendering: (CRI=50-79/Class 3-2A)
- Suitable for areas where people are not engaged in work for long periods of time (EN 12464-1)
- For new installations or replacements we recommend T8 Luxline Plus where 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)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty	Energy Class
T8 Special Length Warm White (29-530)										
0000040	F14W/29-530	14	0.395	361	53	G13	3000	700	25	A
T8 Special Length Cool White (33-640)										
0000039	F14W/33-640	14	0.395	361	64	G13	4300	700	25	A
T8 Special Length Daylight (54-765)										
0000037	F14W/54-765	14	0.395	361	75	G13	6500	650	25	A

	A max	B min	B max	C max	D nom
14W	361.2	365.8	368.3	375.4	26



Dimensions (mm)

T8 Luxline® Plus Reflector



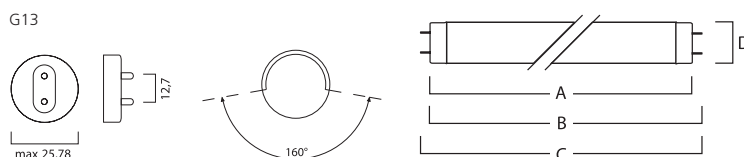
- T8 fluorescent lamp with a 200° internal reflector
- Directional control of light
- Approximately 75% of light is directed through a beam angle of 160°
- For optimising existing luminaires with no reflector
- Good colour rendering (CRI=85)
- Colour: Cool White Deluxe
- Average lifetime of 20,000 hours with pre-heating ballast



T8 Luxline® Plus Reflector

Code	Description	Watt (W)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty	Energy Class
T8 LuxLine Plus Reflector										
0001537	FR58W/840	58	0.700	1500	85	G13	4000	5200	25	A

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



Dimensions (mm)



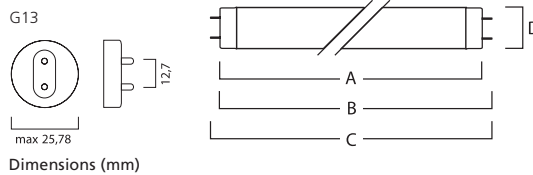
- Range of T8 fluorescent lamps with a coloured phosphor coating
- Available in red, yellow, green and blue colours
- Used to create special lighting effects in shop windows, bars, fairground attractions, dance halls and discotheques



T8 Coloured

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

	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





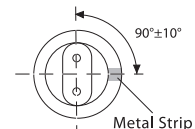
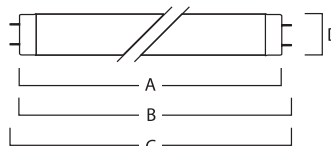
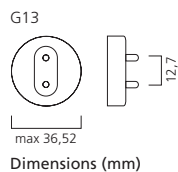
- T12 fluorescent lamp with an external ignition stripe
- Instant and flicker-free start
- Suitable replacement for standard T12 lamps
- Dimmable



T12 IRS

Code	Description	Watt (W)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Luminous Colour Temperature (K)	Luminous Flux (lm)	Packing Qty	Energy Class
T12 IRS Warm White (530)										
0000424	F20W/29-530-IRS	20	0.370	590	53	G13	3000	1200	25	A
0000431	F40W/29-530-IRS	40	0.430	1200	64	G13	3000	3000	25	A
T12 IRS Cool White (640)										
0000423	F20W/33-640-IRS	20	0.370	590	64	G13	4300	1200	25	A
0000430	F40W/33-640-IRS	40	0.430	1200	64	G13	4300	3000	25	A
0000438	F65W/33-640-IRS	65	0.670	1500	64	G13	4300	4800	25	A

	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





- Circular and single-capped fluorescent with 16mm bulb diameter
- 2GX13 base
- High lumen efficiency
- Dimmable
- Operated with electronic ballasts only
- Ideal for flat, circular or square shaped fixtures in recessed pendant or wall mounted installations
- Available in warm white (830) and cool white (840)



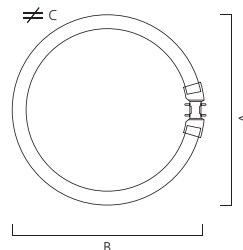
T5 Circline Plus

Code	Description	Watt (W)	Current (A)	Base to Base Lamp length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty	Energy Class
0000520	T5 Circline Plus 22W/830	22	0.3	225	80	2GX13	3000	1800	10	A
0000521	T5 Circline Plus 22W/840	22	0.3	225	80	2GX13	4000	1800	10	A
0000523	T5 Circline Plus 40W/830	40	0.32	299	80	2GX13	3000	3200	10	A
0000524	T5 Circline Plus 40W/840	40	0.32	299	80	2GX13	4000	3200	10	A
0000527	T5 Circline Plus 55W/830	55	0.55	299	80	2GX13	3000	4200	10	A
0000528	T5 Circline Plus 55W/840	55	0.55	299	80	2GX13	4000	4200	10	A

Dimensions (mm)

	A	B	C
22W	192	225	16
40W	266	299	16
55W	266	299	16

Tolerance - A/B : ± 5mm
C : ± 2mm



Dimensions (mm)



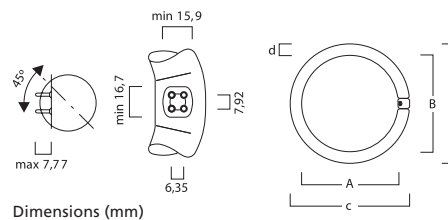
- T9 circular fluorescent lamps
- Suitable in a wide range of round and square shaped luminaires for various purposes
- For commercial and domestic lighting
- Good colour rendering (CRI=80-89 class 1B)
- High luminous efficacy



T9 Circline Plus

Code	Description	Watt (W)	Current (A)	Base to Base Lamp Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty	Energy Class
T9 Circline Plus Warm White (830)										
0001960	FC22/830	22	0.400	216 Ø	80	G10q	3000	1400	12	A
0001963	FC32/830	32	0.450	305 Ø	80	G10q	3000	2400	12	A
0001966	FC40/830	40	0.415	406 Ø	80	G10q	3000	3200	12	A
T9 Circline Plus Cool White (840)										
0001961	FC22/840	22	0.400	216 Ø	80	G10q	4000	1400	12	A
0001964	FC32/840	32	0.450	305 Ø	80	G10q	4000	2400	12	A
0001967	FC40/840	40	0.415	406 Ø	80	G10q	4000	3200	12	A
T9 Circline Plus Daylight (865)										
0001962	FC22/865	22	0.400	216 Ø	80	G10q	6500	1250	12	B
0001965	FC32/865	32	0.450	305 Ø	80	G10q	6500	2100	12	A
0001968	FC40/865	40	0.415	406 Ø	80	G10q	6500	2900	12	A

	A max	A min	B max	B min	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



Dimensions (mm)



- 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

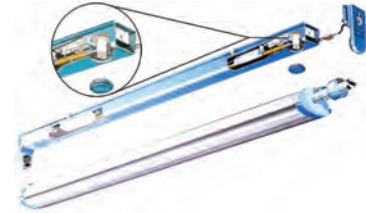
Code	Description	Watt (W)	Voltage (V)	Lamp Type	Circuit	Packing Qty
0024471	COP-11A	36,58	220-240	T8	Single	25/200
		40, 65	220-240	T12	Single	
		32,40, 60	220-240	Circline	Single	
		18, 24, 36	220-240	CF-L	Single	



- 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)	Voltage (V)	Lamp Type	Circuit	Packing Qty
FS Standard Starters						
0024432	FS-11	4, 6, 8, 13	220-240	T5	Single	25/250/2500
		14, 15, 16, 18, 25, 36, 38, 58	220-240	T8	Single	
		20, 40, 65	220-240	T12	Single	
		18	230	CF-F	Twin	
		18, 24, 36	220-240	CF-L	Single	
0024440	FS-11	As Above	As Above	As Above	Industrial Pack	1200
0024433	FS-22	4, 6, 8	120	T12	Single	25/250/2500
		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	
0024441	FS-22	18	120	CF-F	Industrial Pack	1200
0024445	FS-22	70	220-240	T8	Single	5/20/100



COMPACT FLUORESCENT

105 Mini-Lynx® Fast-Start



106 Mini-Lynx® Home



107 Mini-Lynx® Fast-Start Spiro



108 Mini-Lynx® GLS



109 Mini-Lynx® Ball



110 Mini-Lynx® Candle



111 Mini-Lynx® Globe



112 Micro Lynx® F & Luna



113 Lynx® T / TE



115 Lynx® D / DE



116 Lynx® S / SE



117 Lynx® L / LE



118 Lynx® Q / QE



Compact Fluorescent Lamps

Sylvania 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.

All Sylvania lamps are compliant with ErP 5, which is the EU legal requirement that makes CFL lamps achieve minimum energy efficiency and performance criteria.

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 one seconds, except 8W*, achieve full luminous flux in under 40 seconds and are available in a wide range of wattages and colours. Furthermore, with a rated lifetime of 12,000 hours, they are easy to fit...and forget.

**8W illuminates within 1.5 seconds*

Mini-Lynx® Fast-Start Spiro

The spiral design of these lamps provides optimum light distribution. The new range offers improved performance with a full spiral compact design, average lifetime of 10,000 hours and <1 second illumination time (9W <1.5 sec).





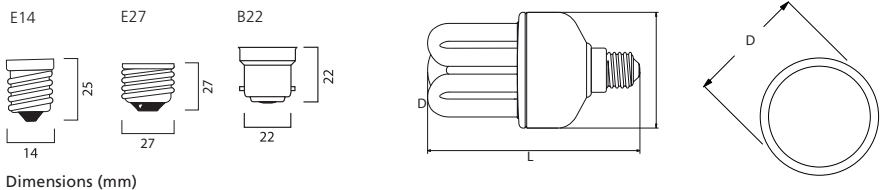
- Compact, fast-start energy saving lamps
- Up to 80% energy saving compared to incandescent lamps
- Provides a flicker-free start within 2 seconds
- Delivers 60% light in less than 40 seconds
- No liquid mercury (<1.5mg pill)
- 50,000 switching cycles
- Good colour rendering CRI=80
- Available in Homelight (2700K), Cool White (4000K) and Daylight (6000K)
- Average life: 12,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Fast-Start

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Mini-Lynx Fast-Start Homelight 827									
0035134	ML Fast-Start 8W E14 827	8	220-240	E14	2700	450	12,000	10	A
0035136	ML Fast-Start 8W E27 827	8	220-240	E27	2700	450	12,000	10	A
0035132	ML Fast-Start 8W B22 827	8	220-240	B22	2700	450	12,000	10	A
0035106	ML Fast-Start 11W E14 827	11	220-240	E14	2700	600	12,000	10	A
0035108	ML Fast-Start 11W E27 827	11	220-240	E27	2700	600	12,000	10	A
0035104	ML Fast-Start 11W B22 827	11	220-240	B22	2700	600	12,000	10	A
0035116	ML Fast-Start 15W E27 827	15	220-240	E27	2700	900	12,000	10	A
0035114	ML Fast-Start 15W B22 827	15	220-240	B22	2700	900	12,000	10	A
0035123	ML Fast-Start 20W E27 827	20	220-240	E27	2700	1200	12,000	10	A
0035121	ML Fast-Start 20W B22 827	20	220-240	B22	2700	1200	12,000	10	A
0035128	ML Fast-Start 23W E27 827	23	220-240	E27	2700	1450	12,000	10	A
0035127	ML Fast-Start 23W B22 827	23	220-240	B22	2700	1450	12,000	10	A
0035101	ML Fast-Start 11W E27 827 3PK	11	220-240	E27	2700	600	12,000	10	A
0035102	ML Fast-Start 15W E27 827 3PK	15	220-240	E27	2700	900	12,000	10	A
0035103	ML Fast-Start 20W E27 827 3PK	20	220-240	E27	2700	1200	12,000	10	A
Mini-Lynx Fast-Start Cool White 840									
0035137	ML Fast-Start 8W E14 840	8	220-240	E14	4000	450	12,000	10	A
0035138	ML Fast-Start 8W E27 840	8	220-240	E27	4000	450	12,000	10	A
0035111	ML Fast-Start 11W E27 840	11	220-240	E27	4000	600	12,000	10	A
0035118	ML Fast-Start 15W E27 840	15	220-240	E27	4000	900	12,000	10	A
0035125	ML Fast-Start 20W E27 840	20	220-240	E27	4000	1200	12,000	10	A
0035130	ML Fast-Start 23W E27 840	23	220-240	E27	4000	1450	12,000	10	A
Mini-Lynx Fast-Start Daylight 860									
0035112	ML Fast-Start 11W E14 860	11	220-240	E14	6000	585	12,000	10	A
0035113	ML Fast-Start 11W E27 860	11	220-240	E27	6000	585	12,000	10	A
0035120	ML Fast-Start 15W E27 860	15	220-240	E27	6000	875	12,000	10	A
0035126	ML Fast-Start 20W E27 860	20	220-240	E27	6000	1200	12,000	10	A
0035131	ML Fast-Start 23W E27 860	23	220-240	E27	6000	1380	12,000	10	A

	E14	8W	11W	15W	20W	23W
L	112	102	114	136	148	
D	44	48	48	48	48	
	E27	8W	11W	15W	20W	23W
L	112	102	114	136	148	
D	44	48	48	48	48	
	B22	8W	11W	15W	20W	23W
L	112	102	114	136	148	
D	44	48	48	48	48	





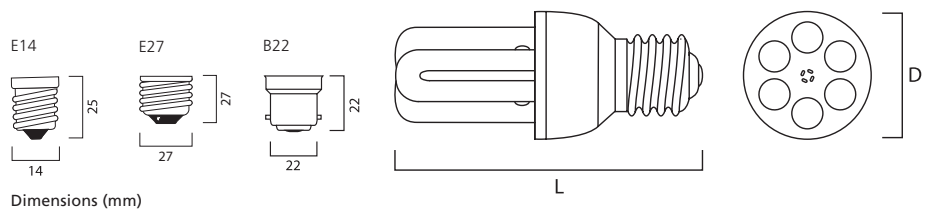
- Up to 80% energy saving compared to incandescent lamps
- Instant flicker free start <1 second (9W = <1.5 sec)
- Delivers 60% light in less than 40 seconds
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K), Cool White (4000K) and Daylight (6500K)
- Average life: 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Home

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Mini-Lynx Home 827									
0035001	ML HOME 9W E14 827	9	220-240	E14	2700	450	10,000	10	A
0035002	ML HOME 11W E27 827	11	220-240	E27	2700	600	10,000	10	A
0035012	ML HOME 11W B22 827	11	220-240	B22	2700	600	10,000	10	A
0035004	ML HOME 15W E27 827	15	220-240	E27	2700	820	10,000	10	A
0035013	ML HOME 15W B22 827	15	220-240	B22	2700	820	10,000	10	A
0035006	ML HOME 20W E27 827	20	220-240	E27	2700	1152	10,000	10	A
0035018	ML HOME 20W B22 827	20	220-240	B22	2700	1152	10,000	10	A
0035010	ML HOME 23W E27 827	23	220-240	E27	2700	1370	10,000	10	A
0035019	ML HOME 23W B22 827	23	220-240	B22	2700	1370	10,000	10	A
0035007	ML HOME 20W E27 827 3PK	20	220-240	E27	2700	1160	10,000	10	A
Mini-Lynx Home 840									
0035003	ML HOME 11W E27 840	11	220-240	E27	4000	600	10,000	10	A
0035005	ML HOME 15W E27 840	15	220-240	E27	4000	820	10,000	10	A
0035008	ML HOME 20W E27 840	20	220-240	E27	4000	820	10,000	10	A
0035011	ML HOME 23W E27 840	23	220-240	E27	4000	1370	10,000	10	A
0035009	ML HOME 20W E27 840 3PK	20	220-240	E27	4000	1160	10,000	10	A
Mini-Lynx Home 865									
0035015	ML HOME 15W E27 865	15	230-240	E27	6500	780	10,000	10	A
0035016	ML HOME 20W E27 865	20	230-240	E27	6500	780	10,000	10	A
0035017	ML HOME 23W E27 865	23	230-240	E27	6500	780	10,000	10	A

E14	9W			
L	112			
D	43			
E27/B22	11W	15W	20W	23W
L	120	126	141	151
D	40	40	48	48





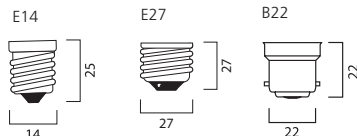
- Up to 81% energy saving compared to incandescent lamps
- Compact dimensions
- Spiral design for maximum light dispersal
- Instant flicker-free start <1 second (9W = <1.5 sec)
- Delivers 60% light in less than <40 seconds
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K) and Cool White (4000K)
- Average life: 10,000 hrs
- To be used in dry applications



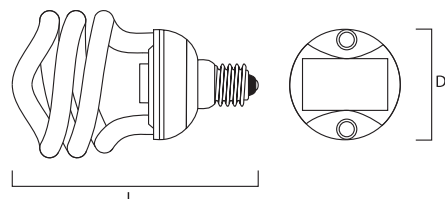
Mini-Lynx® Fast-Start Spiro

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Mini-Lynx Fast-Start Spiro 827									
0035219	MLFS SPIRO 9W E14 827	9	220-240	E14	2700	450	10,000	10	A
0035221	MLFS SPIRO 9W E27 827	9	220-240	E27	2700	450	10,000	10	A
0035208	MLFS SPIRO 12W E14 827	12	220-240	E14	2700	600	10,000	10	A
0035212	MLFS SPIRO 12W E27 827	12	220-240	E27	2700	600	10,000	10	A
0035210	MLFS SPIRO 12W B22 827	12	220-240	B22	2700	600	10,000	10	A
0035215	MLFS SPIRO 15W E27 827	15	220-240	E27	2700	900	10,000	10	A
0035213	MLFS SPIRO 15W B22 827	15	220-240	B22	2700	900	10,000	10	A
0035222	MLFS SPIRO 20W E27 827	20	220-240	E27	2700	1250	10,000	10	A
0035205	MLFS SPIRO 20W B22 827	20	220-240	B22	2700	1250	10,000	10	A
0035202	MLFS SPIRO 23W E27 827	23	220-240	E27	2700	1519	10,000	10	A
0035203	MLFS SPIRO 35W E27 827	35	220-240	E27	2700	2285	8,000	10	A
0035209	MLFS SPIRO 12W E27 827 3PK	12	220-240	E27	2700	600	10,000	10	A
Mini-Lynx Fast-Start Spiro 840									
0035224	MLFS SPIRO 12W E27 840	12	220-240	E27	4000	600	10,000	10	A
0035217	MLFS SPIRO 15W E27 840	15	220-240	E27	4000	900	10,000	10	A
0035223	MLFS SPIRO 20W E27 840	20	220-240	E27	4000	1250	10,000	10	A
0035225	MLFS SPIRO 23W E27 840	23	220-240	E27	4000	1519	10,000	10	A
0035204	MLFS SPIRO 35W E27 840	35	220-240	E27	4000	2285	8,000	10	A

E14	8W	12W	15W	20W		
L	96	101	-	-		
D	46	46	-	-		
E27	8W	12W	15W	20W	23W	35W
L	96	101	107	112	116	194
D	46	46	46	56	56	71
B22	8W	12W	15W	20W		
L	-	101	107	111		
D	-	46	46	56		



Dimensions (mm)





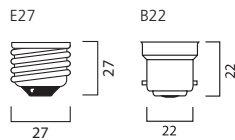
- Up to 78% energy saving compared to incandescent lamps
- Opal housing delivers all-round illumination whilst hiding burner design
- Provides a flicker free start <1 second
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K)
- Average life: 10,000 hrs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



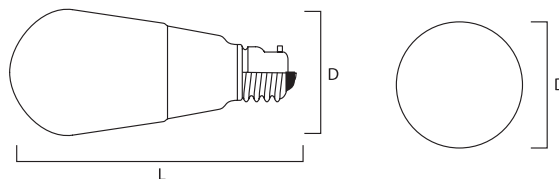
Mini-Lynx® GLS

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0035501	ML GLS 11W E27 827	11	220-240	E27	2700	630	10,000	10	A
0035510	ML GLS 11W B22 827	11	220-240	B22	2700	630	10,000	10	A
0035503	ML GLS 15W B22 827	15	220-240	B22	2700	820	10,000	10	A
0035505	ML GLS 15W E27 827	15	220-240	E27	2700	820	10,000	10	A
0035506	ML GLS 20W B22 827	20	220-240	B22	2700	1200	10,000	10	A
0035508	ML GLS 20W E27 827	20	220-240	E27	2700	1200	10,000	10	A
0035509	ML GLS 15W E27 827 3PK	15	220-240	E27	2700	820	10,000	10	A

Base	15W	20W
E27	132	153
L	65	76
D	65	76
Base	15W	20W
B22	131	152
L	65	76
D	65	76



Dimensions (mm)





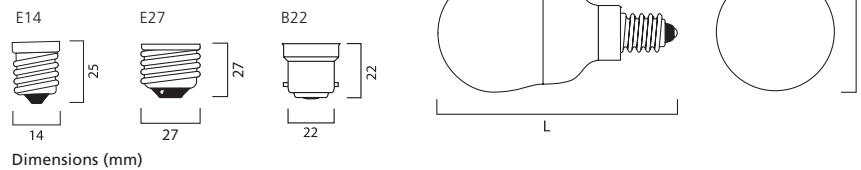
- Up to 78% energy saving compared to incandescent lamps
- Opal housing delivers all-round illumination whilst hiding burner design
- Provides a flicker-free start within 1.5 seconds
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K) and Cool White (4000K)
- Average life: 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Ball

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Mini-Lynx Ball 827									
0035401	ML BALL 7W E14 827	7	220-240	E14	2700	330	10,000	10	A
0035402	ML BALL 9W B22 827	9	220-240	B22	2700	450	10,000	10	A
0035404	ML BALL 9W E14 827	9	220-240	E14	2700	450	10,000	10	A
0035406	ML BALL 9W E27 827	9	220-240	E27	2700	450	10,000	10	A
0035409	ML BALL 9W E14 827 3PK	9	220-240	E14	2700	450	10,000	10	A
0035408	ML BALL 9W E27 827 3PK	9	220-240	E27	2700	450	10,000	10	A
Mini-Lynx Ball 840									
0035403	ML BALL 9W E14 840	9	220-240	E14	4000	450	10,000	10	A

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



Mini-Lynx® Compact Candle



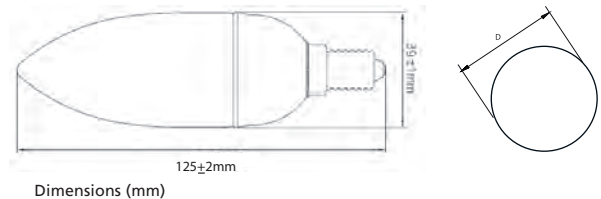
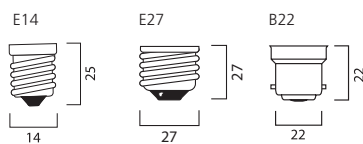
- Up to 81% energy saving compared to incandescent lamps
- Opal housing delivers all-round illumination whilst hiding burner design
- Provides a flicker-free start within 1.5 seconds
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K) and Cool White (4000K)
- Average life: 10,000 hrs
- To be used in dry applications or fully enclosed fixtures



Mini-Lynx® Compact Candle

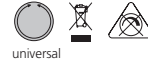
Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0035303	ML CANDLE 7W E14 827	7	220-240	E14	2700	330	10,000	10	A
0035301	ML CANDLE 9W B22 827	9	220-240	B22	2700	450	10,000	10	A
0035305	ML CANDLE 9W E14 827	9	220-240	E14	2700	450	10,000	10	A
0035307	ML CANDLE 9W E27 827	9	220-240	E27	2700	450	10,000	10	A
0035308	ML CANDLE 9W E14 840	9	220-240	E14	4000	450	10,000	10	A
0035309	ML CANDLE 9W E14 827 3PK	9	220-240	E14	2700	450	10,000	10	A

E14	7W	9W
L	113	121
D	39	39
E27	9W	
L	122	
D	39	
B22	9W	
L	125	
D	39	





- Up to 81% energy saving compared to incandescent lamps
- Opal housing delivers all-round illumination whilst hiding burner design
- Instant flicker-free start <1 seconds
- Delivers 60% light output in less than 100 seconds
- No liquid mercury (<2.5mg pill)
- Good colour rendering (CRI=80)
- Available in Homelight (2700K) and Cool White (4000K)
- Average life of 10,000 hours
- To be used in dry application or fully enclosed fixtures

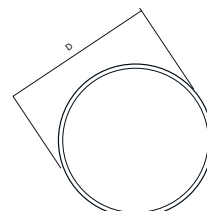
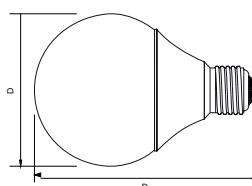
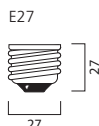


universal

Mini-Lynx® Globe

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0035601	ML GLOBE 20W E27 827	20	220-240	E27	2700	1200	10,000	10	A
0035604	ML GLOBE 20W E27 840	20	220-240	E27	4000	1200	10,000	10	A

E27	20W
L	142
D	96



Dimensions (mm)



- Integrated twist and lock safety key
- Instant flicker free start <1.5 second
- 60% light output within 4 seconds
- Mercury content <2.5mg
- Good colour rendering (CRI=80)
- Average life: 10,000 hrs
- Available in Homelight (2700K) Warm White (3000K) and Cool White (4000K)
- To be used in dry applications or fully enclosed fixtures



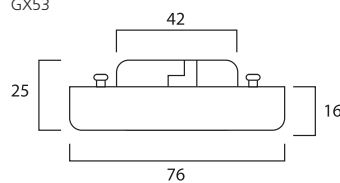
Micro-Lynx® F

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0035901	MICRO-LYNX 6W GX53 827	6	220-240	GX53	2700	235	10,000	20	A
0035902	MICRO-LYNX 6W GX53 830	6	220-240	GX53	3000	235	10,000	20	A
0035903	MICRO-LYNX 6W GX53 840	6	220-240	GX53	4000	235	10,000	20	A

Micro-Lynx® Luna

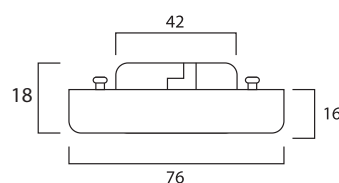
Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0035904	MICRO-LYNX 6W GX53 830	6	220-240	GX53	3000	235	10,000	20	A
0035905	MICRO-LYNX 6W GX53 840	6	220-240	GX53	4000	235	10,000	20	A

Micro Lynx GX53



Dimensions (mm)

Micro Lynx Luna





- Triple bend compact pin-base lamps
- Suitable for operation on conventional control gear
- Excellent colour rendering (CRI=80)
- Available in Warm White (3000K) and Cool white (4000K)
- Average life: 15,000 hours



Lynx®-T

Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Lynx-T Warm White (830)										
0027801	LYNX-T 18W GX24D-2 830	18	0.225	80	GX24d-2	3000	1210	15,000	10	B
0027811	LYNX-T 26W GX24D-3 830	26	0.325	80	GX24d-3	3000	1800	15,000	10	A
Lynx-T Cool White (840)										
0027802	LYNX-T 18W GX24D-2 840	18	0.225	80	GX24d-2	4000	1210	15,000	10	B
0027812	LYNX-T 26W GX24D-3 840	26	0.325	80	GX24d-3	4000	1800	15,000	10	A



GX24d	18W	26W
L	124	139
D	49	49

Dimensions (mm)

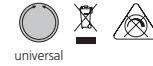


Lynx® - TE Amalgam



Lynx® - TE FSD

- Excellent luminous flux at high and low ambient temperatures
- Triple pin-base lamps for traditional fixtures, new installations and downlights
- 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=80-82)
- To be operated on electronic ballasts only
- Rapdi Run-up
- Dimmable with suitable dimmer
- Available in Warm White (3000K) and Cool White (4000K)
- Average life: At least 12,000 hrs



Lynx® - TE Amalgam

Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Lynx® - TE Warm White (830)										
0027817	LYNX-TE Amalgam 18W GX24q-2 830	18	0.210	82	GX24q-2	3000	1200	12,000	10	A
0027822	LYNX-TE Amalgam 26W GX24q-3 830	26	0.300	82	GX24q-3	3000	1800	12,000	10	A
0027842	LYNX-TE Amalgam 32W GX24q-3 830	32	0.320	82	GX24q-3	3000	2400	12,000	10	A
0027844	LYNX-TE Amalgam 42W GX24q-4 830	42	0.320	82	GX24q-4	3000	3200	12,000	10	A
Lynx® - TE Cool White (840)										
0027816	LYNX-TE Amalgam 18W GX24q-2 840	18	0.210	82	GX24q-2	4000	1200	12,000	10	A
0027821	LYNX-TE Amalgam 26W GX24q-3 840	26	0.300	82	GX24q-3	4000	1800	12,000	10	A
0027840	LYNX-TE Amalgam 32W GX24q-3 840	32	0.320	82	GX24q-3	4000	2400	12,000	10	A
0027845	LYNX-TE Amalgam 42W GX24q-4 840	42	0.320	82	GX24q-4	4000	3200	12,000	10	A

Lynx® - TE FSD

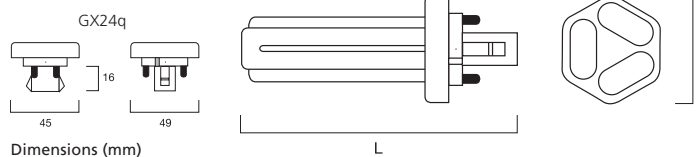
Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Lynx® - TE FSD Warm White (830)										
0027851	LYNX-TE FSD 18W GX24q-2 830	18	0.320	80	GX24q-2	3000	1210	15,000	10	A
0027854	LYNX-TE FSD 26W GX24q-3 830	26	0.325	80	GX24q-3	3000	1800	15,000	10	A
0027857	LYNX-TE FSD 32W GX24q-3 830	32	0.320	80	GX24q-3	3000	2400	15,000	10	A
0027860	LYNX-TE FSD 42W GX24q-4 830	42	0.320	80	GX24q-4	3000	3200	15,000	10	A
Lynx® - TE FSD Cool White (840)										
0027852	LYNX-TE FSD 18W GX24q-2 840	18	0.320	80	GX24q-2	4000	1210	15,000	10	A
0027855	LYNX-TE FSD 26W GX24q-3 840	26	0.325	80	GX24q-3	4000	1800	15,000	10	A
0027858	LYNX-TE FSD 32W GX24q-3 840	32	0.320	80	GX24q-3	4000	2400	15,000	10	A
0027861	LYNX-TE FSD 42W GX24q-4 840	42	0.320	80	GX24q-4	4000	3200	15,000	10	A

TE Amalgam

GX24q	18W	26W	32W	42W
L	120	133	146	163
D	49	49	49	49

TE FSD

GX24q	18W	26W	32W	42W
L	117	132	149	168
D	49	49	49	49





Lynx® - D Superia



Lynx® - DE Superia

- Compact and high performance double bend 2-pin base lamp
- Suitable for operation on electronic control gear
- To be operated on electronic ballast only
- Suitable for emergency lighting
- Dimmable with suitable dimmer
- Excellent luminous flux
- Excellent colour rendering – (CRI=80)
- Available in Warm White (3000K), Cool White (4000K) and Daylight (6500K)
- Average life: 12,000 hrs



Lynx®- D Superia

Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Lynx® - D Superia Homelight (827)										
0025904	SA LYNX-D 10W/827 G24d-1 SLV	10	0.210	80	G24d-1	2700	600	10,000	10	A
0025905	SA LYNX-D 13W/827 G24d-1 SLV	13	0.210	80	G24d-1	2700	900	10,000	10	A
0025906	SA LYNX-D 13W/827 G24d-1 SLV	18	0.280	80	G24d-2	2700	1200	10,000	10	A
0025907	SA LYNX-D 26W/827 G24d-3 SLV	26	0.420	80	G24d-3	2700	1800	10,000	10	A
Lynx® - D Superia Warm White (830)										
0025908	Lynx-D SUPERIA 10W G24d-1 830	10	0.210	80	G24d-1	3000	600	12,000	10	A
0025909	Lynx-D SUPERIA 13W G24d-1 830	13	0.210	80	G24d-1	3000	900	12,000	10	A
0025910	Lynx-D SUPERIA 18W G24d-2 830	18	0.280	80	G24d-2	3000	1215	12,000	10	A
0025911	Lynx-D SUPERIA 26W G24d-3 830	26	0.420	80	G24d-3	3000	1800	12,000	10	A
Lynx® - D Superia Cool White (840)										
0025912	Lynx-D SUPERIA 10W G24d-1 840	10	0.210	80	G24d-1	4000	600	12,000	10	A
0025913	Lynx-D SUPERIA 13W G24d-1 840	13	0.210	80	G24d-1	4000	900	12,000	10	A
0025914	Lynx-D SUPERIA 18W G24d-2 840	18	0.280	80	G24d-2	4000	1215	12,000	10	A
0025915	Lynx-D SUPERIA 26W G24d-3 840	26	0.420	80	G24d-2	4000	1800	12,000	10	A
Lynx® - D Superia Daylight (865)										
0028324	Lynx-D SUPERIA 18W G24d-2 865	18	0.280	80	G24d-2	6500	1160	12,000	10	A
0028325	Lynx-D SUPERIA 26W G24d-2 865	26	0.420	80	G24d-3	6500	1720	12,000	10	A

Lynx® - DE Superia

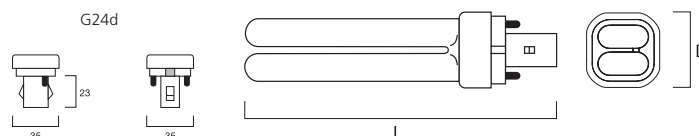
Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Lynx® - DE Superia Homelight (827)										
0025918	SA LYNX-DE 18W/827 G24Q-2 SLV	18	0.220	80	G24d-2	2700	1200	10,000	10	A
0025919	SA LYNX-DE 26W/827 G24Q-3 SLV	26	0.325	80	G24d-3	2700	1800	10,000	10	A
Lynx® - DE Superia Warm White (830)										
0025920	Lynx-DE SUPERIA 10W G24Q-1 830	10	0.190	80	G24q-1	3000	600	12,000	10	A
0025921	Lynx-DE SUPERIA 13W G24Q-1 830	13	0.175	80	G24q-1	3000	900	12,000	10	A
0025922	Lynx-DE SUPERIA 18W G24Q-2 830	18	0.220	80	G24q-2	3000	1215	12,000	10	A
0025923	Lynx-DE SUPERIA 26W G24Q-3 830	26	0.325	80	G24q-3	3000	1800	12,000	10	A
Lynx® - DE Superia Cool White (840)										
0025924	Lynx-DE SUPERIA 10W G24Q-1 840	10	0.190	80	G24q-1	4000	600	12,000	10	A
0025925	Lynx-DE SUPERIA 13W G24Q-1 840	13	0.175	80	G24q-1	4000	900	12,000	10	A
0025926	Lynx-DE SUPERIA 18W G24Q-2 840	18	0.220	80	G24q-2	4000	1215	12,000	10	A
0025927	Lynx-DE SUPERIA 26W G24Q-3 840	26	0.325	80	G24q-3	4000	1800	12,000	10	A
Lynx® - DE Superia Daylight (865)										
0025950	Lynx-DE SUPERIA 18W G24Q-2 865	18	0.220	80	G24q-2	6500	1160	12,000	10	A
0025951	Lynx-DE SUPERIA 26W G24Q-3 865	26	0.325	80	G24q-3	6500	1720	12,000	10	A

D Superia

G24d	10W	13W	18W	26W
L	116	141	154	171
D	35	35	35	35

DE Superia

G24d	10W	13W	18W	26W
L	109	134	147	164
D	35	35	35	35



Dimensions (mm)

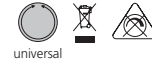


Lynx® - S



Lynx® - SE

- Single-bend pin base compact lamp: Suitable for wide range of use
- Suitable for operation on electronic control gear (SE Version)
- For use with magnetic ballast (S Version)
- Dimmable
- Extremely low profile
- Excellent colour rendering (CRI=80-85)
- Suitable for emergency lighting
- Dimmable with suitable ballast
- Available in Homelight (2700K), Warm White (3000K) and Cool White (4000K)
- Average life: 10,000 hrs



Lynx® - S

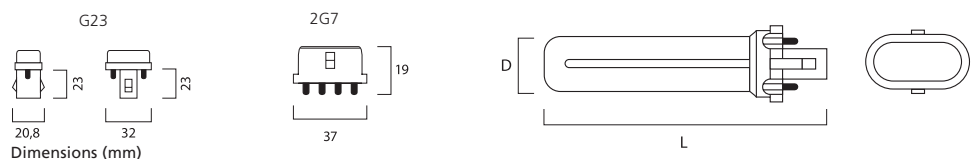
Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Lynx® - S Homelight (827)										
0025881	Lynx-S 7W G23 827	7	0.175	80	G23	2700	425	10,000	10	A
0025882	Lynx-S 9W G23 827	9	0.170	80	G23	2700	600	10,000	10	A
0025883	Lynx-S 11W G23 827	11	0.155	80	G23	2700	900	10,000	10	A
Lynx® - S Warm White (830)										
0025885	Lynx-S 7W G23 830	7	0.175	80	G23	3000	425	10,000	10	A
0025886	Lynx-S 9W G23 830	9	0.170	80	G23	3000	600	10,000	10	A
0025887	Lynx-S 11W G23 830	11	0.155	80	G23	3000	900	10,000	10	A
Lynx® - S Cool White (840)										
0025889	Lynx-S 7W G23 840	7	0.175	80	G23	4000	425	10,000	10	A
0025890	Lynx-S 9W G23 840	9	0.170	80	G23	4000	600	10,000	10	A
0025891	Lynx-S 11W G23 840	11	0.155	80	G23	4000	900	10,000	10	A

Lynx® - SE

Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Lynx® - SE Warm White (830)										
0025898	Lynx-SE 9W 2G7 830	9	0.170	80	2G7	3000	600	10,000	10	A
0025899	Lynx-SE 11W 2G7 830	11	0.155	80	2G7	3000	900	10,000	10	A+
Lynx® - SE Cool White (840)										
0025900	Lynx-SE 5W 2G7 840	5	0.180	80	2G7	4000	265	10,000	10	A
0025901	Lynx-SE 7W 2G7 840	7	0.175	80	2G7	4000	425	10,000	10	A
0025902	Lynx-SE 9W 2G7 840	9	0.170	80	2G7	4000	600	10,000	10	A
0025903	Lynx-SE 11W 2G7 840	11	0.155	80	2G7	4000	900	10,000	10	A+

G23	5W	7W	9W	11W
L	108	137	168	236
D	28	28	28	28

2G7	5W	7W	9W	11W
L	92	121	152	220
D	28	28	28	28





Lynx®-L



Lynx® - LE

- Compact size alternative for tubular fluorescent lamps
- Suitable for operation on electronic and electromagnet control gears
- Excellent colour rendering (CRI=82-85)
- 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 life: At least 16,000 hrs



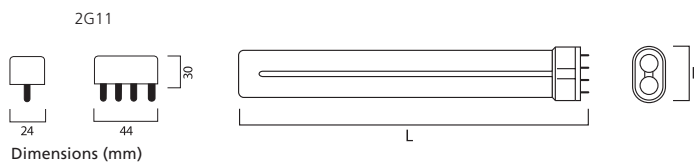
Lynx®-L

Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0025632	LYNX-L 18W 2G11 830	18	0.375	85	2G11	3000	1200	16,000	10	A
0025656	LYNX-L 18W 2G11 840	18	0.375	85	2G11	4000	1200	16,000	10	A
0025633	LYNX-L 24W 2G11 830	24	0.345	85	2G11	3000	1800	16,000	10	A
0025657	LYNX-L 24W 2G11 840	24	0.345	85	2G11	4000	1800	16,000	10	A
0025634	LYNX-L 36W 2G11 830	36	0.435	85	2G11	3000	2950	16,000	10	A
0025658	LYNX-L 36W 2G11 840	36	0.435	85	2G11	4000	2950	16,000	10	A
0025663	LYNX-L 36W 2G11 865	36	0.435	85	2G11	6500	2600	16,000	10	A

Lynx® - LE

Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0025635	LYNX-LE 40W 2G11 830	40	0.320	82	2G11	3000	3500	20,000	10	A
0025659	LYNX-LE 40W 2G11 840	40	0.320	82	2G11	4000	3500	20,000	10	A
0025664	LYNX-LE 40W 2G11 865	40	0.320	82	2G11	6500	3050	20,000	10	A
0025636	LYNX-LE 55W 2G11 830	55	0.320	82	2G11	3000	4700	20,000	10	A
0025660	LYNX-LE 55W 2G11 840	55	0.320	82	2G11	4000	4700	20,000	10	A
0025665	LYNX-LE 55W 2G11 865	55	0.320	82	2G11	6500	4150	20,000	10	A

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



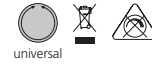


Lynx® - Q



Lynx® - QE

- Uniform distribution of light
- Suitable for operation on conventional control gears
- Flat profile, slim, high output lamps
- Excellent colour rendering (CRI=82)
- 2-pin GR8 base incorporate starter (Q Versions)
- 4-pin GR10q base without starter (QE Versions)
- Dimmable with suitable ballast
- Available in Homelight (2700K), white (3500K) and Cool White (4000K)
- Average life: At least 10,000 hrs



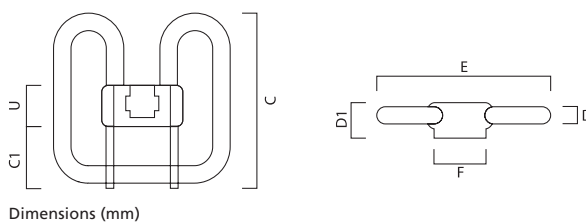
Lynx® - Q

Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Lynx® - Q Homelight (827)										
0024944	LYNX Q 16W GR8 827	16	0.180	82	GR8	2700	1050	10,000	10	B
Lynx® - Q White (835)										
0024946	LYNX Q 16W GR8 835	16	0.180	82	GR8	3500	1050	10,000	10	B
0024995	LYNX Q 28W GR8 835	28	0.320	82	GR8	3500	2050	10,000	10	A
Lynx® - Q Cool White (840)										
0024947	LYNX Q 16W GR8 840	16	0.180	82	GR8	4000	1050	10,000	10	B

Lynx® - QE

Code	Description	Watt (W)	Current (A)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Lynx® - QE Homelight (827)										
0024989	LYNX QE 16W GR10q 827	16	0.180	82	GR10q	2700	1050	10,000	10	A
0024997	LYNX QE 28W GR10q 827	28	0.320	82	GR10q	2700	2050	10,000	10	A
0025001	LYNX QE 38W GR10q 827	38	0.335	82	GR10q	2700	2850	10,000	10	A
Lynx® - QE White (835)										
0024991	LYNX QE 16W GR10q 835	16	0.180	82	GR10q	3500	1050	10,000	10	A
0024999	LYNX QE 28W GR10q 835	28	0.320	82	GR10q	3500	2050	10,000	10	A
0025003	LYNX QE 38W GR10q 835	38	0.335	82	GR10q	3500	2850	10,000	10	A
0025018	LYNX QE 21W GR10q 835	21	0.260	82	GR10q	3500	1350	10,000	10	A
Lynx® - QE Cool White (840)										
0024992	LYNX QE 16W GR10q 840	16	0.180	82	GR10q	4000	1050	10,000	10	A
0025000	LYNX QE 28W GR10q 840	28	0.320	82	GR10q	4000	2050	10,000	10	A
0025004	LYNX QE 38W GR10q 840	38	0.335	82	GR10q	4000	2850	10,000	10	A

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
21W	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







HALOGEN

- 123 Classic Eco
- 130 Linear Double Ended
- 131 Capsules
- 134 Hi-Spot 50-120
- 139 Hi-Spot ES50
- 140 Hi-Spot ES63/ ESD63
- 141 Hi-Spot ES111/ESD111 AG
- 142 MR16
- 145 MR11



Halogen lamps

Halogen lamps with their beautiful, sparkling white light, are renowned for their unbeatable colour rendition, meaning that, unlike some other energy saving technologies, colours are shown in their true glory 100% of the time.

This is coupled with their unique ease with which they can be dimmed on virtually any system, proving themselves as the perfect choice for a wide variety of applications ranging from precise accent lighting in world leading museums and art galleries, to soft ambient lighting in your living room at home.

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.





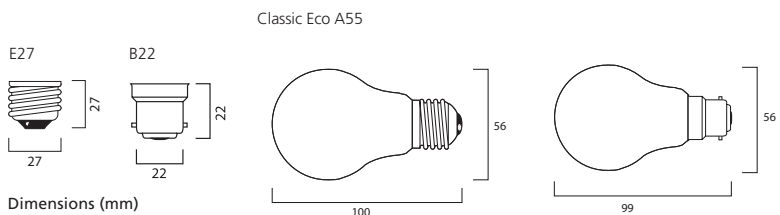
Classic Eco A55

- 1:1 replacement of Incandescent A55 lamps
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Sparkling light output
- Less heat generation than incandescent lamp
- Less CO₂ emissions
- Identical shape to standard incandescent lamp
- Commercial and domestic applications
- 100% dimmable
- Average life 2,000 hrs



Classic Eco A55

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0023733	Classic Eco A55 18W E27	18	230	E27	2800	205	2,000	10	D
0023840	Classic Eco A55 18W E27 240V	18	240	E27	2800	205	2,000	10	D
0023841	Classic Eco A55 18W B22 240V	18	240	B22	2800	205	2,000	10	D
0023724	Classic Eco A55 28W E27	28	230	E27	2800	370	2,000	10	D
0023745	Classic Eco A55 28W B22	28	230	B22	2800	370	2,000	10	D
0023481	Classic Eco A55 28W E27 240V	28	240	E27	2800	370	2,000	10	D
0023480	Classic Eco A55 28W B22 240V	28	240	B22	2800	370	2,000	10	D
0023767	Classic Eco A55 42W E27 240V	42	240	E27	2800	625	2,000	10	D
0023768	Classic Eco A55 42W B22 240V	42	240	B22	2800	625	2,000	10	D
0023765	Classic Eco A55 42W E27	42	230	E27	2800	625	2,000	10	D
0023766	Classic Eco A55 42W B22	42	230	B22	2800	625	2,000	10	D
0023132	Classic Eco A55 53W E27	53	230	E27	2800	845	2,000	10	D
0023133	Classic Eco A55 53W B22	53	230	B22	2800	845	2,000	10	D
0023134	Classic Eco A55 53W E27 240V	53	240	E27	2800	845	2,000	10	D
0023135	Classic Eco A55 53W B22 240V	53	240	B22	2800	845	2,000	10	D
0023136	Classic Eco A55 70W E27	70	230	E27	2800	1190	2,000	10	D
0023137	Classic Eco A55 70W B22	70	230	B22	2800	1190	2,000	10	D
0023138	Classic Eco A55 70W E27 240V	70	240	E27	2800	1190	2,000	10	D
0023139	Classic Eco A55 70W B22 240V	70	240	B22	2800	1190	2,000	10	D
0022112	Classic Eco A55 105W E27	105	230	E27	2800	1900	2,000	10	D
0022113	Classic Eco A55 105W E27 240V	105	240	E27	2800	1900	2,000	10	D
0022114	Classic Eco A55 105W B22 240V	105	240	B22	2800	1900	2,000	10	D
0023297	Classic Eco A55 42W E27 3PK	42	230	E27	2800	625	2,000	10	D
0023582	Classic Eco A55 42W E27 5PK	42	230	E27	2800	625	2,000	10	D
0023583	Classic Eco A55 42W B22 6PK	42	230	B22	2800	625	2,000	10	D
0023300	Classic Eco A55 53W E27 6PK	53	230	E27	2800	845	2,000	6	D
0023301	Classic Eco A55 53W B22 6PK	53	230	B22	2800	845	2,000	16	D
0023302	Classic Eco A55 70W E27 6PK	70	230	B22	2800	1190	2,000	16	D



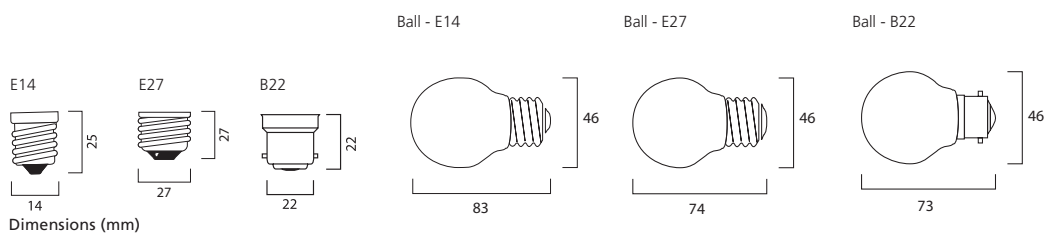


- 1:1 replacement of Incandescent Ball lamp
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Sparkling light output
- Less heat generation than incandescent lamp
- Less CO₂ emissions
- Identical shape to standard incandescent lamp
- Commercial and domestic applications
- 100% dimmable
- Average life 2,000 hrs



Classic Eco Ball

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0023737	Classic Eco Ball 18W E14	18	230	E14	2800	205	2,000	10	D
0023716	Classic Eco Ball 18W E27	18	230	E27	2800	205	2,000	10	D
0023842	Classic Eco Ball 18W E14 240V	18	240	E14	2800	205	2,000	10	D
0023843	Classic Eco Ball 18W E27 240V	18	240	E27	2800	205	2,000	10	D
0023744	Classic Eco Ball 28W E14	28	230	E14	2800	370	2,000	10	D
0023485	Classic Eco Ball 28W E14 240V	28	240	E14	2800	370	2,000	10	D
0023746	Classic Eco Ball 28W E27	28	230	E27	2800	370	2,000	10	D
0023486	Classic Eco Ball 28W E27 240V	28	240	E27	2800	370	2,000	10	D
0023488	Classic Eco Ball 28W B22 240V	28	240	B22	2800	370	2,000	10	D
0023776	Classic Eco Ball 42W E14	42	230	E14	2800	625	2,000	10	D
0023777	Classic Eco Ball 42W E14 240V	42	240	E14	2800	625	2,000	10	D
0023778	Classic Eco Ball 42W E27	42	230	E27	2800	625	2,000	10	D
0023779	Classic Eco Ball 42W E27 240V	42	240	E27	2800	625	2,000	10	D
0023780	Classic Eco Ball 42W B22 240V	42	240	B22	2800	625	2,000	10	D



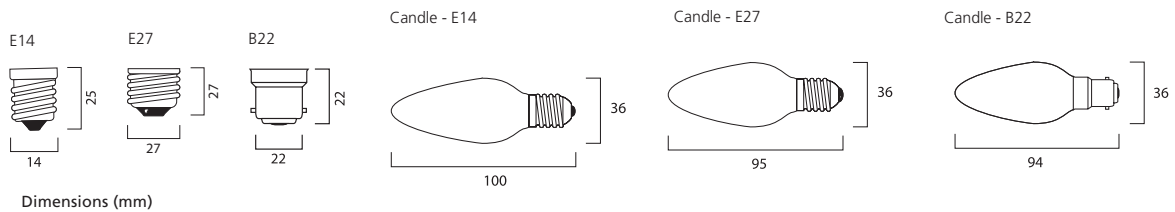


- 1:1 replacement of Incandescent Candle lamp
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Sparkling light output
- Less heat generation than incandescent lamp
- Less CO2 emissions
- Identical shape to standard incandescent lamp
- Commercial and domestic applications
- 100% dimmable
- Average life 2,000 hrs



Classic Eco Candle

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0023739	Classic Eco Candle 18W E14	18	230	E14	2800	205	2,000	10	D
0023844	Classic Eco Candle 18W E14 240V	18	240	E14	2800	205	2,000	10	D
0023714	Classic Eco Candle 18W E27	18	230	E27	2800	205	2,000	10	D
0023845	Classic Eco Candle 18W E27 240V	18	240	E27	2800	205	2,000	10	D
0023850	Classic Eco Candle 18W B22 240V	18	240	B22	2800	205	2,000	10	D
0023740	Classic Eco Candle 28W E14	28	230	E14	2800	370	2,000	10	D
0023484	Classic Eco Candle 28W E14 240V	28	240	E14	2800	370	2,000	10	D
0023724	Classic Eco Candle 28W E27	28	230	E27	2800	370	2,000	10	D
0023482	Classic Eco Candle 28W E27 240V	28	240	E27	2800	370	2,000	10	D
0023738	Classic Eco Candle 28W B22 240V	28	240	B22	2800	370	2,000	10	D
0023771	Classic Eco Candle 42W E14	42	230	E14	2800	625	2,000	10	D
0023772	Classic Eco Candle 42W E14 240V	42	240	E14	2800	625	2,000	10	D
0023773	Classic Eco Candle 42W E27 240V	42	240	E27	2800	625	2,000	10	D
0023774	Classic Eco Candle 42W B22 240V	42	240	B22	2800	625	2,000	10	D
0023298	Classic Eco Candle 28W E14 240V 3PK	28	240	E14	2800	370	2,000	10	D





Classic Eco Candle Twisted



Classic Eco Candle Bent Tip

- Decorative halogen candle lamp
- 1:1 replacement of Incandescent lamp
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Sparkling light output
- Less heat generation than incandescent lamp
- Less CO2 emissions
- Identical shape to standard incandescent lamp
- For chandeliers and decorative fixtures in domestic and commercial applications
- 100% dimmable
- Average life 2,000 hrs

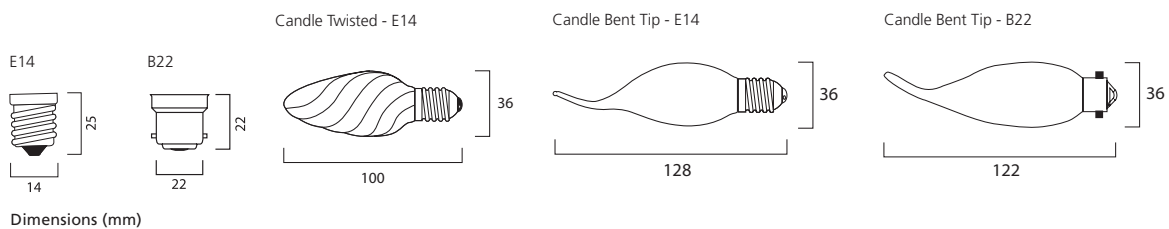


Classic Eco Candle Twisted

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0023742	Classic Eco Twisted Candle 18W E14	18	230	E14	2800	205	2,000	10	D
0023846	Classic Eco Twisted Candle 18W E14 240V	18	240	E14	2800	205	2,000	10	D
0023735	Classic Eco Twisted Candle 28W E14	28	230	E14	2800	370	2,000	10	D
0023722	Classic Eco Twisted Candle 28W E14 240V	28	240	E14	2800	370	2,000	10	D
0023455	Classic Eco Twisted Candle 42W E14	42	230	E14	2800	625	2,000	10	D
0023456	Classic Eco Twisted Candle 42W E14 240V	42	240	E14	2800	625	2,000	10	D

Classic Eco Candle Bent Tip

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0023734	Classic Eco Bent-tip 18W E14	18	230	E14	2800	205	2,000	10	D
0023847	Classic Eco Bent-tip 18W E14 240V	18	240	E14	2800	205	2,000	10	D
0023850	Classic Eco Bent-tip 18W B22 240V	18	240	B22	2800	205	1,500	10	D
0023729	Classic Eco Bent-tip 28W E14	28	230	E14	2800	370	2,000	10	D
0023731	Classic Eco Bent-tip 28W E14 240V	28	240	E14	2800	370	2,000	10	D
0023727	Classic Eco Bent-tip 18W B22 240V	28	240	B22	2800	370	2,000	10	D





R50



R80



R63



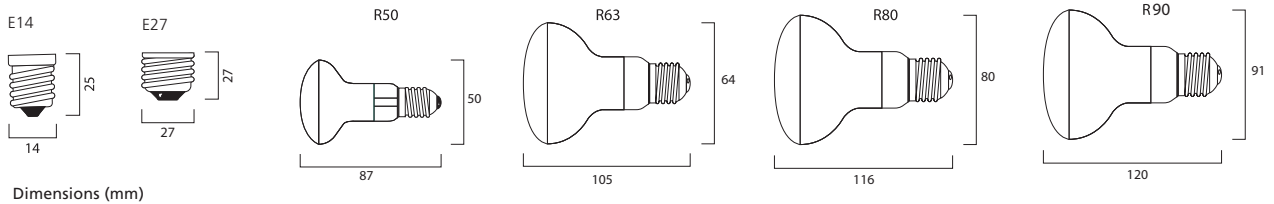
R90

- 1:1 replacement of Incandescent reflector lamps
- Excellent colour rendering (CRI = 100)
- Instant illumination
- Crisp light output
- Less heat generation than incandescent lamp
- Less CO2 emissions
- Identical shape to standard incandescent lamp
- Commercial and domestic applications
- Suitable for shop windows, displays as well in the home
- For use in track or surface mounted spotlights or in recessed down lights
- 100% dimmable
- Average rated life 2,000 hrs



Classic Eco R50 / R63 / R80 / R90

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0023102	Classic Eco R50 18W 30° E14	18	230	30	E14	2800	80	2,000	10	D
0023103	Classic Eco R50 18W 30° E14 240V	18	240	30	E14	2800	80	2,000	10	D
0023120	Classic Eco R50 28W 30° E14	28	230	30	E14	2800	135	2,000	10	D
0023121	Classic Eco R50 28W 30° E14 240V	28	240	30	E14	2800	135	2,000	10	D
0023124	Classic Eco R63 28W 30° E27	28	230	30	E27	2800	145	2,000	10	D
0023125	Classic Eco R63 28W 30° E27 240V	28	240	30	E27	2800	150	2,000	10	D
0023122	Classic Eco R63 42W 30° E27	42	230	30	E27	2800	270	2,000	10	D
0023123	Classic Eco R63 42W 30° E27 240V	42	240	30	E27	2800	250	2,000	10	D
0023126	Classic Eco R80 42W 30° E27 240V	42	240	30	E27	2800	255	2,000	10	D
0023127	Classic Eco R80 28W 30° E27 240V	28	240	30	E27	2800	175	2,000	10	D
0023147	Classic Eco R80 53W 30° E27 240V	53	240	30	E27	2800	375	2,000	10	D
0023148	Classic Eco R80 70W 30° E27 240V	70	240	30	E27	2800	485	2,000	10	D
0022116	Classic Eco R90 42W 30° E27 240V	42	240	30	E27	2800	242	2,000	10	D
0022117	Classic Eco R90 70W 30° E27 240V	70	240	30	E27	2800	500	2,000	10	D
0021344	Classic Eco R50 18W 30° E14 240V 2PK	18	240	30	E14	2800	80	2,000	8	D
0021345	Classic Eco R50 28W 30° E14 240V 2PK	28	230	30	E14	2800	135	2,000	10	D
0023296	Classic Eco R50 28W 30° E14 3PK	28	230	30	E14	2800	135	2,000	10	D
0021346	Classic Eco R50 28W 30° E14 240V 4PK	28	240	30	E14	2800	135	2,000	4	D
0021347	Classic Eco R63 28W 30° E27 240V 2PK	28	240	30	E27	2800	145	2,000	8	D
0021348	Classic Eco R63 42W 30° E27 240V 4PK	42	240	30	B22	2800	250	2,000	8	D
0021351	Classic Eco R80 42W 30° E27 240V 2PK	42	240	30	E27	2800	255	2,000	4	D
0021352	Classic Eco R80 42W 30° E27 240V 2PK	42	240	30	B22	2800	255	2,000	4	D
0021354	Classic Eco R80 70W 30° B22 240V 2PK	70	240	30	E27	2800	485	2,000	4	D
0021353	Classic Eco R80 70W 30° B22 240V 2PK	70	240	30	B22	2800	485	2,000	4	D



Classic Eco Striplight



- Xenon technology
- Sparkling light output
- Less CO₂ emissions
- Less heat generation
- Transformer free operation
- Filament support method patented
- Average rated life: 2,000 hrs - 20% energy savings compared to standard halogen double ended lamps with same light output



Classic Eco Striplight

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0023851	Classic Eco Striplight 50W S19	50	230	S19	2800	775	2,000	25	D

Striplight - S19



Dimensions (mm)

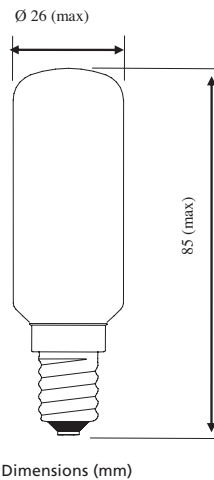


- Compact halogen lamp, intended for use in special applications
- More efficient than incandescent tubular lamps
- Instant illumination
- 100% dimmable
- Average life 2,000 hrs



Classic Eco Tubular

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0021871	Classic Eco Tubular 28W E14	28	240	E14	2800	370	2,000	10	D



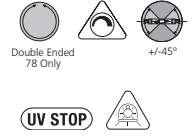


Linear Double Ended



Linear Double Ended Eco

- Xenon technology
- Instant illumination
- Excellent colour rendering
- Suitable for outdoor floodlighting/security lighting
- Suitable for interior floodlighting, uplighting and wallwashing
- For use in luminaires with toughened front glass
- Sparkling light output
- Less CO₂ emissions
- Less heat generation
- Transformer free operation
- Filament support method patented
- Average life 2,000 hrs - 20% energy savings compared to standard halogen double ended lamps with same light output



Linear Double Ended High-Power

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (hrs)	Packing Qty	Energy Class
0021623	DE 189mm 750W R7S 240V	750	240	R7s	3000	15000	2,000	10	C
0021624	DE 189mm 1000W R7S	1000	230	R7s	3000	20000	2,000	10	C
0021625	DE 189mm 1000W R7S 240V	1000	240	R7s	3000	20000	2,000	10	C
0021626	DE 254mm 1500W R7S	1500	230	R7s	3000	33000	2,000	10	C
0021628	DE 254mm 1500W R7S 240V	1500	240	R7s	3000	33000	2,000	10	C
0021629	DE 331mm 2000W R7S	2000	230	R7s	3000	44000	2,000	10	C

Linear Double Ended Eco

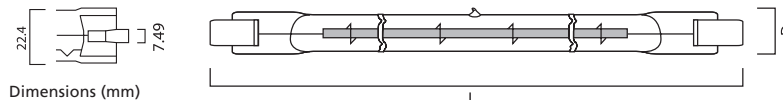
Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0021529	DE Eco 78MM 48W R7S	48	230	R7s	2900	750	2,000	10	D
0021530	DE Eco 78MM 48W R7S 240V	48	240	R7s	2900	750	2,000	10	D
0021531	DE Eco 78MM 80W R7S	80	230	R7s	2900	1400	2,000	10	D
0021532	DE Eco 78MM 80W R7S 240V	80	240	R7s	2900	1400	2,000	10	D
0021533	DE Eco 78MM 120W R7S	120	230	R7s	2950	2250	2,000	10	D
0021534	DE Eco 78MM 120W R7S 240V	120	240	R7s	2950	2250	2,000	10	D
0021713	DE Eco 118MM 120W R7S	120	230	R7s	2950	2250	2,000	10	D
0021714	DE Eco 118MM 120W R7S 240V	120	240	R7s	2950	2250	2,000	10	D
0021715	DE Eco 118MM 160W R7S	160	230	R7s	3000	3100	2,000	10	C
0021716	DE Eco 118MM 160W R7S 240V	160	240	R7s	3000	3100	2,000	10	C
0021717	DE Eco 118MM 230W R7S	230	230	R7s	3000	4700	2,000	10	C
0021718	DE Eco 118MM 230W R7S 240V	230	240	R7s	3000	4700	2,000	10	C
0021719	DE Eco 118MM 400W R7S	400	230	R7s	3000	8800	2,000	10	C
0021720	DE Eco 118MM 400W R7S 240V	400	240	R7s	3000	8800	2,000	10	C
0021619	DE Eco 118mm 500W R7s 120V	500	120	R7s	2950	8750	2,000	10	C
0021220	DE Eco 118mm 500W R7s 120V 5PK	500	120	R7s	2950	8750	2,000	10	C

Dimensions (mm)

ID	D	L
0021623	12	189
0021624	12	189
0021625	12	189
0021626	12	254
0021628	12	254
0021629	12	331

R7s	Double Ended 78
L	80
D	12
R7s	Double Ended 118
L	120
D	12

Linear double ended - R7s





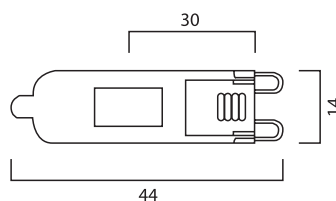
- Xenon technology
- Less CO2 emissions - Eco Friendly
- Less heat generation than standard G9 capsules - more design freedom for luminaire manufacturers
- Compact size
- Integral safety fuse
- Suitable for use in open luminaires following Luminaire Standard EN 60598-1
- Easy installation with G9 plug-in base
- Transformer free operation
- 100% dimmable
- Average life 2,000 hrs



Hi-Pin G9 Eco

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0023754	HI-PIN Eco 18W G9	18	230	G9	2800	205	2,000	10	D
0023849	HI-PIN Eco 18W G9 240V	18	240	G9	2800	205	2,000	10	D
0023756	HI-PIN Eco 28W G9	28	230	G9	2800	370	2,000	10	D
0023493	HI-PIN Eco 28W G9 240V	28	240	G9	2800	370	2,000	10	D
0022844	HI-PIN Eco 42W G9	42	230	G9	2800	625	2,000	10	D
0022845	HI-PIN Eco 42W G9 240V	42	240	G9	2800	625	2,000	10	D
0022846	HI-PIN Eco 53W G9	53	230	G9	2800	845	2,000	10	D
0022847	HI-PIN Eco 53W G9 240V	53	240	G9	2800	845	2,000	10	D

Hi-Pin - G9



Dimensions (mm)



GY6.35



G4

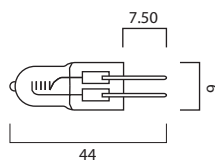
- Xenon technology
- Compact size for optimum luminaire design
- Dimmable using a suitable dimmer for operation with a transformer
- Constant light output throughout lamp life
- Suitable for use in open luminaires following Luminaire Standard EN 60598-1
- UV protected
- Suitable for interior display, 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 life 2,000 hrs - 20% energy saving with same light output compared to standard capsules



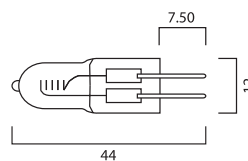
Low Pressure Eco Capsule

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0022276	LP Eco Capsule 8W G4	8	12	G4	2800	100	2,000	10	C
0022277	LP Eco Capsule 16W G4	16	12	G4	2800	250	2,000	10	C
0021320	LP Eco Capsule 28W GY6.35	28	12	GY6.35	2900	500	2,000	10	C
0021321	LP Eco Capsule 40W GY6.35	40	12	GY6.35	2900	900	2,000	10	C

Low Pressure Capsule - G4



Low Pressure Capsule - GY 6.35



Dimensions (mm)



GY6.35



G4 5/10W



G4 20/35W

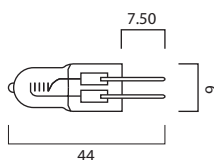
- Compact size for optimum luminaire design
- Dimmable using a suitable dimmer for operation with a transformer
- Constant light output throughout lamp life
- 5W/10W/20W/35W/50W capsules are suitable for use in open luminaires following Luminaire Standard EN 60598-1
- Suitable for interior display, shop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



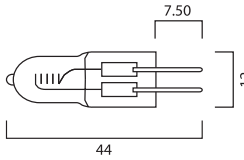
Low Pressure Capsule

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0022165	LP Capsule 5W G4 12V	5	12	G4	2800	40	2,000	10	C
0022241	LP Capsule 10W G4 12V	10	12	G4	2800	100	2,000	10	C
0022242	LP Capsule 20W G4 12V	20	12	G4	2800	250	2,000	10	D
0022246	LP Capsule 35W G4 12V	35	12	G4	2800	500	2,000	10	D
0021021	LP Capsule 35W GY6.35 12V	35	12	GY 6.35	2800	530	2,000	10	D
0021022	LP Capsule 50W GY6.35 12V	50	12	GY 6.35	2800	900	2,000	10	C

Low Pressure Capsule - G4



Low Pressure Capsule - GY 6.35



Dimensions (mm)

Hi-Spot® 50

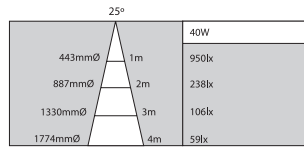


- Retrofit solution for E14 incandescent R50 lamps
- Halogen light without the need for a transformer
- Unique, patented spiral reflector design for uniform beam pattern
- 100% dimmable
- For use in mains voltage E14 cap downlights, spotlights and luminaires
- Average rated life 2,000 hrs

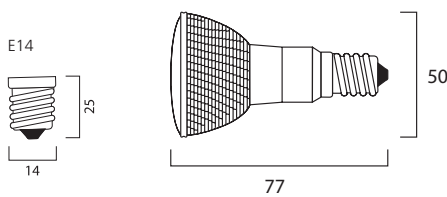


Hi-Spot® 50

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0021081	Hi-Spot 50 Retrofit E14 25°	40	230	25	E14	2700	950	265	2,000	15	D
0021084	Hi-Spot 50 Retrofit E14 25° 240V	40	240	25	E14	2700	950	265	2,000	15	D



Hi-Spot 50 - E14



Dimensions (mm)



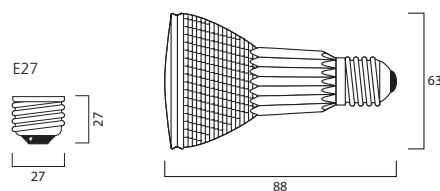
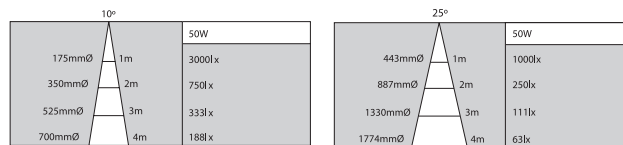
- Halogen light without the need for a transformer
- Unique, patented, spiral faceted aluminised reflector
- 100% dimmable
- For use in mains voltage E27 cap downlights, spotlights and luminaires
- For accent or decorative lighting in retail, commercial and domestic applications
- Suitable for outdoor use when protected from direct contact with water
- Average life 3,000 hrs - 25% longer life than conventional PAR halogen lamps



Hi-Spot® 63 Extralife

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0021125	Hi-Spot 63 50W 10° E27 SP	50	230	10	E27	2900	3000	360	3,000	15	D
0021127	Hi-Spot 63 50W 10° E27 SP 240V	50	240	10	E27	2900	3000	360	3,000	15	D
0021126	Hi-Spot 63 50W 25° E27 FL	50	230	25	E27	2900	1000	360	3,000	15	D
0021128	Hi-Spot 63 50W 25° E27 FL 240V	50	240	25	E27	2900	1000	360	3,000	15	D

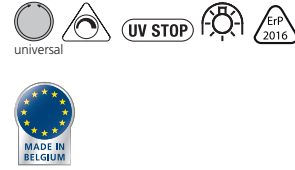
Hi-Spot 63 Extralife - E27



Dimensions (mm)

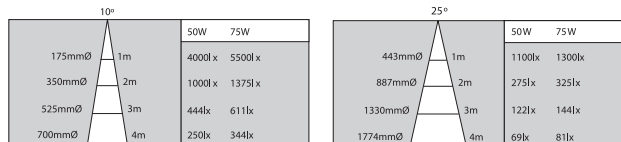


- Halogen light without the need for a transformer
- Unique, patented, spiral faceted aluminised reflector
- 100% dimmable
- For use in mains voltage E27 cap downlights, spotlights and luminaires
- For accent or decorative lighting in retail, commercial and domestic applications
- Suitable for outdoor use when protected from direct contact with water
- Average life 3,000 hrs - up to 50% longer than conventional halogen PAR lamps

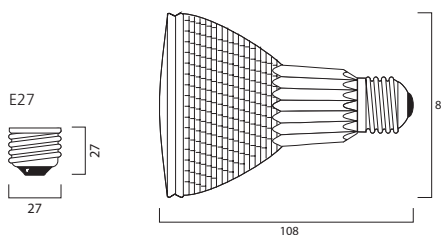


Hi-Spot® 80 Superia Extralife

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0021131	Hi-Spot 80 50W 10° SP	50	230	10	E27	2900	4000	400	3,000	15	D
0021161	Hi-Spot 80 50W 10° SP 240V	50	240	10	E27	2900	4000	400	3,000	15	D
0021132	Hi-Spot 80 50W 25° FL	50	230	25	E27	2900	1100	400	3,000	15	D
0021162	Hi-Spot 80 50W 25° FL 240V	50	240	25	E27	2900	1100	400	3,000	15	D
0021133	Hi-Spot 80 75W 10° SP	75	230	10	E27	2900	5500	670	3,000	15	D
0021163	Hi-Spot 80 75W 10° SP 240V	75	240	10	E27	2900	5500	670	3,000	15	D
0021134	Hi-Spot 80 75W 25° FL	75	230	25	E27	2900	1300	670	3,000	15	D
0021164	Hi-Spot 80 75W 25° FL 240V	75	240	25	E27	2900	1300	670	3,000	15	D



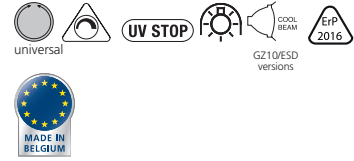
Hi-Spot 80 - E27



Dimensions (mm)

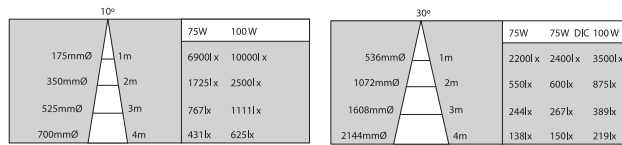


- Halogen light without the need for a transformer
- Unique, patented, spiral faceted aluminised reflector
- 100% dimmable
- For use in mains voltage E27 cap downlights, spotlights and luminaires
- Use dichroic lamps for lighting food, textiles and other objects sensitive to heat
- Suitable for outdoor use when protected from direct contact with water
- Average life 3,000 hrs - 50% longer life than conventional halogen PAR lamps

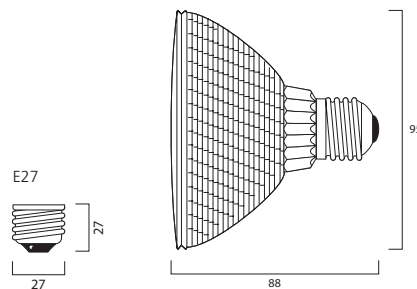


Hi-Spot® 95

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Hi-Spot 95 Superia Extralife											
0021230	Hi-Spot 95 Superia Extralife 75W 10° E27 SP	75	230	10	E27	2900	6900	640	3,000	15	D
0021231	Hi-Spot 95 Superia Extralife 75W 30° E27 FL	75	230	30	E27	2900	2200	640	3,000	15	D
0021234	Hi-Spot 95 Superia Extralife 100W 10° E27 SP	100	230	10	E27	2900	10000	980	3,000	15	D
0021235	Hi-Spot 95 Superia Extralife 100W 30° E27 FL	100	230	30	E27	2900	3500	980	3,000	15	D
0021232	Hi-Spot 95 Superia Extralife 75W 10° E27 SP 240V	75	240	10	E27	2900	6900	640	3,000	15	D
0021233	Hi-Spot 95 Superia Extralife 75W 30° E27 FL 240V	75	240	30	E27	2900	2200	640	3,000	15	D
0021236	Hi-Spot 95 Superia Extralife 100W 10° E27 SP 240V	100	240	10	E27	2900	10000	980	3,000	15	D
0021237	Hi-Spot 95 Superia Extralife 100W 30° E27 FL 240	100	240	30	E27	2900	3500	980	3,000	15	D
Hi-Spot 95 Dichroic											
0021291	Hi-Spot 95 Dichroic 75W 30° E27 FL CB	75	230	30	E27	2900	2400	700	3,000	15	D
0021293	Hi-Spot 95 Dichroic 75W 30° E27 FL CB 240V	75	240	30	E27	2900	2400	700	3,000	15	D
Hi-Spot 95 Reinforced											
0021274	Hi-Spot 95 Reinforced 75W 10° E27 SP 240V	75	240	10	E27	2900	-	678	3,000	15	D



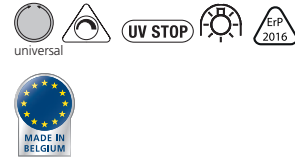
Hi-Spot 95 - E27



Dimensions (mm)

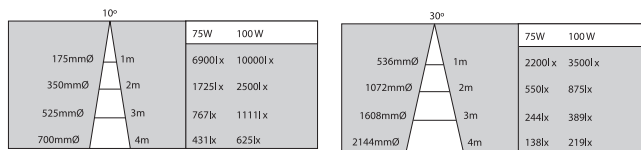


- Halogen light without the need for a transformer
- Unique, patented, spiral faceted aluminised reflector
- 100% dimmable
- For use in mains voltage E27 cap downlights, spotlights and luminaires
- For accent or decorative lighting in retail, commercial and domestic applications
- Suitable for outdoor use when protected from direct contact with water
- Average life 3,000 hrs - 50% longer than conventional halogen lamps

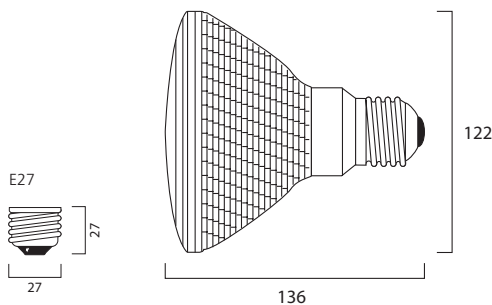


Hi-Spot® 120 Superia Extralife

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0021142	Hi-Spot 120 75W 10° E27 SP 240V	75	240	10	E27	2900	6900	700	3,000	15	D
0021141	Hi-Spot 120 75W 30° E27 FL	75	230	30	E27	2900	2200	700	3,000	15	D
0021143	Hi-Spot 120 75W 30° E27 FL 240V	75	240	30	E27	2900	2200	700	3,000	15	D
0021144	Hi-Spot 120 100W 10° E27 SP	100	230	10	E27	2900	10000	1100	3,000	15	D
0021146	Hi-Spot 120 100W 10° E27 SP 240V	100	240	10	E27	2900	10000	1100	3,000	15	D
0021145	Hi-Spot 120 100W 30° E27 FL	100	230	30	E27	2900	3500	1100	3,000	15	D
0021147	Hi-Spot 120 100W 30° E27 FL 240V	100	240	30	E27	2900	3500	1100	3,000	15	D



Hi-Spot 120 Superia Extralife - E27



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 2,000 hrs



Hi-Spot® ES50/ESD50 Superia

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Hi-Spot ES50 Superia											
0022900	Hi-Spot ES50 35W 25° GU10	35	230	25	GU10	2600	800	180	3,000	10	D
0022901	Hi-Spot ES50 35W 25° GU10 240V	35	240	25	GU10	2600	800	180	3,000	10	D
0022902	Hi-Spot ES50 50W 25° GU10	50	230	25	GU10	2650	1150	300	3,000	10	D
0022903	Hi-Spot ES50 50W 25° GU10 240V	50	240	25	GU10	2650	1150	300	3,000	10	D
0022906	Hi-Spot ES50 50W 50° GU10	50	230	50	GU10	2650	475	300	3,000	10	D
0022907	Hi-Spot ES50 50W 50° GU10 240V	50	240	50	GU10	2650	475	300	3,000	10	D
Hi-Spot ESD50 Dichroic Superia											
0022904	Hi-Spot ESD50 50W 25° GZ10	50	230	25	GZ10	2650	1150	300	3,000	10	D
0022905	Hi-Spot ESD50 50W 25° GZ10 240V	50	240	25	GZ10	2650	1150	300	3,000	10	D
0022908	Hi-Spot ESD50 50W 50° GZ10	50	230	50	GZ10	2650	475	300	3,000	10	D

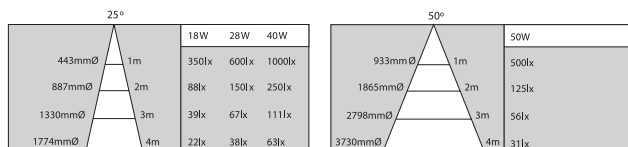
Hi-Spot® ES50 Eco

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Hi-Spot ES50 Eco											
0022717	Hi-Spot ES50 Eco 18W 25°	18	230	25	GU10	2700	350	95	2,000	10	D
0022718	Hi-Spot ES50 Eco 18W 25° 240V	18	240	25	GU10	2700	350	95	2,000	10	D
0022719	Hi-Spot ES50 Eco 28W 25°	28	230	25	GU10	2800	600	195	2,000	10	D
0022720	Hi-Spot ES50 Eco 28W 25° 240V	28	240	25	GU10	2800	600	195	2,000	10	D
0022721	Hi-Spot ES50 Eco 40W 25°	40	230	25	GU10	2800	1000	325	2,000	10	D
0022722	Hi-Spot ES50 Eco 40W 25° 240V	40	240	25	GU10	2800	1000	325	2,000	10	D
0022723	Hi-Spot ES50 Eco 40W 50°	40	230	50	GU10	2800	500	325	2,000	10	D
0022724	Hi-Spot ES50 Eco 40W 50° 240V	40	240	50	GU10	2800	500	325	2,000	10	D

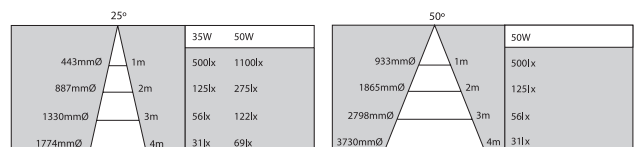
Hi-Spot® ES50 Home

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0021254	Hi-Spot Home ES50 35W GU10 25°	35	230	25	GU10	2700	500	180	3,000	10	D
0021310	Hi-Spot Home ES50 35W GU10 25° 240V	35	240	25	GU10	2700	500	180	3,000	10	D
0021256	Hi-Spot Home ES50 50W GU10 25°	50	230	25	GU10	2700	1100	300	3,000	10	D
0021311	Hi-Spot Home ES50 50W GU10 25° 240V	50	240	25	GU10	2700	1100	300	3,000	10	D
0021261	Hi-Spot Home ES50 50W GU10 50°	50	230	50	GU10	2700	500	300	3,000	10	D
0021312	Hi-Spot Home ES50 50W GU10 50° 240V	50	240	50	GU10	2700	500	300	3,000	10	D
0021240	Hi-Spot Home ES50 35W GU10 25° 240V 5PK	35	240	25	GU10	2700	500	180	3,000	10	D
0022758	Hi-Spot Home ES50 35W GU10 36° 240V 5PK	35	240	36	GU10	2700	450	180	3,000	10	D
0021241	Hi-Spot Home ES50 50W GU10 25° 240V 5PK	50	240	50	GU10	2700	1100	300	3,000	10	D
0022759	Hi-Spot Home ES50 50W GU10 36° 5PK	50	230	36	GU10	2700	800	300	3,000	10	D

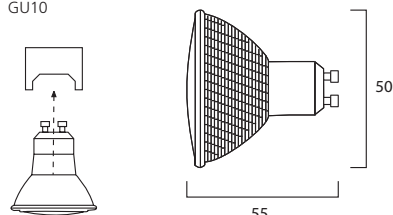
Hi-Spot® ES50



Hi-Spot GU10/GZ10

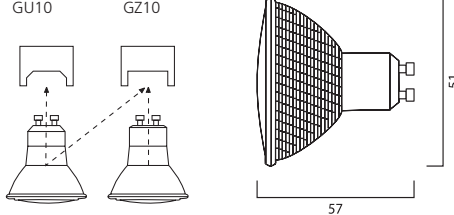


GU10



Dimensions (mm)

GU10 GZ10





- 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 life 2,500 hrs - 25% longer life than conventional PAR halogen lamps

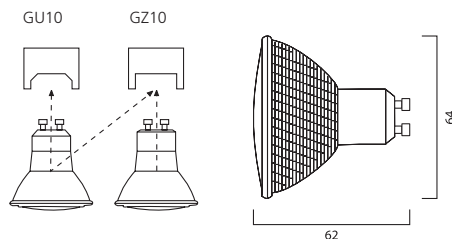


Hi-Spot® ES63/ESD63

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Hi-Spot ES63											
0022266	Hi Spot 63 50W 25° GU10	50	230	25	GU10	2750	1500	380	2,500	15	D
0022268	Hi Spot 63 50W 25° GU10 240V	50	240	25	GU10	2750	1500	380	2,500	15	D
0022271	Hi Spot 63 75W 25° GU10	75	230	25	GU10	2800	2500	700	2,500	15	D
0022274	Hi Spot 63 75W 25° GU10 240V	75	240	25	GU10	2800	2500	700	2,500	15	D
0022261	Hi Spot 63 75W 50° GU10	75	230	50	GU10	2800	1000	700	2,500	15	D
0022264	Hi Spot 63 75W 50° GU10 240V	75	240	50	GU10	2800	1000	700	2,500	15	D
Hi-Spot ESD63 Dichroic											
0022281	Hi Spot 63 75W 25° GZ10	75	230	25	GZ10	2850	2500	700	2,500	15	D
0022284	Hi Spot 63 75W 25° GZ10 240V	75	240	25	GZ10	2850	2500	700	2,500	15	D
0022291	Hi Spot 63 75W 50° GZ10	75	230	50	GZ10	2850	1000	700	2,500	15	D

Hi-Spot ES63/ESD63 - GU10/GZ10

25°		50°	
443mmØ	1m	933mmØ	1m
887mmØ	2m	1865mmØ	2m
1330mmØ	3m	2798mmØ	3m
1774mmØ	4m	3730mmØ	4m
50W 75W	1500lx 2500lx	75W	1000lx
	325lx 625lx		250lx
	167lx 278lx		111lx
	94lx 156lx		63lx



Dimensions (mm)



- Mains voltage alternative to Sylvania SA111 aluminium reflector lamp
- Excellent beam control - minimum glare
- Up to 40% energy savings
- High light intensity
- 100% Dimmable works in virtually every installation
- 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 at least 2,000 hrs

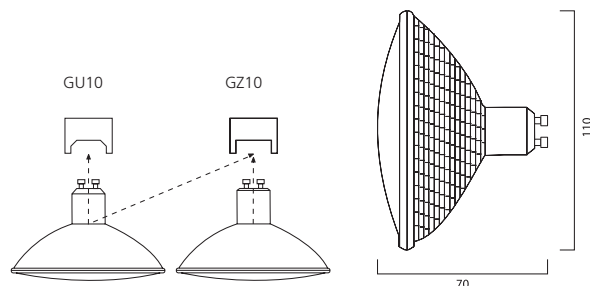


Hi-Spot® ES111/ESD111 AG

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Hi-Spot ES111 without anti-glare											
0022221	Hi-Spot ES111 75W 24° GU10	75	230	24	GU10	2800	3000	650	2,000	15	D
0022223	Hi-Spot ES111 75W 24° GU10 240V	75	240	24	GU10	2800	3000	650	2,000	15	D
Hi-Spot ES111 with anti-glare											
0022224	Hi-Spot ES111 75W 24° GU10	75	230	24	GU10	2800	3500	520	2,000	15	D
0022225	Hi-Spot ES111 75W 24° GU10 240V	75	240	24	GU10	2800	3500	520	2,000	15	D
Hi-Spot ESD111 Dichroic with anti-glare											
0022227	Hi-Spot ESD111 100W 24° GZ10	100	230	24	GZ10	2900	5000	855	2,000	15	D
0022226	Hi-Spot ESD111 100W 24° GZ10 240V	100	240	24	GZ10	2900	5000	855	2,000	15	D

Hi-Spot ES111/ESD111AG - GU10/GZ10

24°		75W	100W
425mmØ	1m	3500lx	5000lx
850mmØ	2m	875lx	125lx
1275mmØ	3m	389lx	56lx
1700mmØ	4m	219lx	31lx



Dimensions (mm)

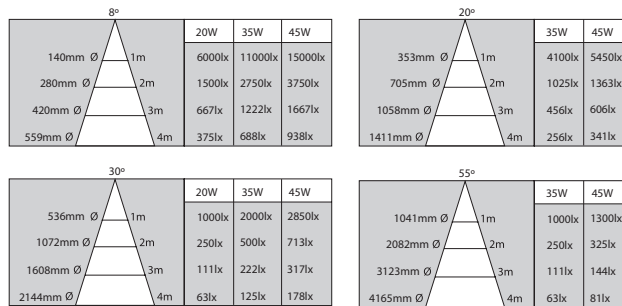


- Up to 40% energy savings
- Hard coated glass ensures stable light appearance throughout its life
- No loss in light intensity compared with standard MR16 dichroic lamps
- Unbeatable light quality (Ra=100)
- Attractive back light - preferred by Architects
- 100% Dimmable works in virtually every installation
- Average rated life of 5,000 hrs - 2.5 times longer compared to standard MR16 dichroic lamps

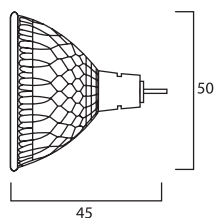


MR16 Superia EcoPlus

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0021697	MR16 EcoPlus 20W 8° GU5.3	20	12	8	GU5.3	3000	6000	300	5,000	10	B
0021698	MR16 EcoPlus 20W 30° GU5.3	20	12	30	GU5.3	3000	1000	300	5,000	10	B
0021699	MR16 EcoPlus 35W 8° GU5.3	35	12	8	GU5.3	3000	110000	580	5,000	10	B
0021700	MR16 EcoPlus 35W 20° GU5.3	35	12	20	GU5.3	3000	4100	580	5,000	10	B
0021701	MR16 EcoPlus 35W 30° GU5.3	35	12	30	GU5.3	3000	2000	580	5,000	10	B
0021702	MR16 EcoPlus 35W 55° GU5.3	35	12	55	GU5.3	3000	1000	580	5,000	10	B
0021703	MR16 EcoPlus 45W 8° GU5.3	45	12	8	GU5.3	3000	15000	800	5,000	10	B
0021704	MR16 EcoPlus 45W 20° GU5.3	45	12	20	GU5.3	3000	5450	800	5,000	10	B
0021705	MR16 EcoPlus 45W 30° GU5.3	45	12	30	GU5.3	3000	2850	800	5,000	10	B
0021706	MR16 EcoPlus 45W 55° GU5.3	45	12	55	GU5.3	3000	1300	800	5,000	10	B



MR16 Superia EcoPlus - GU5.3



Dimensions (mm)

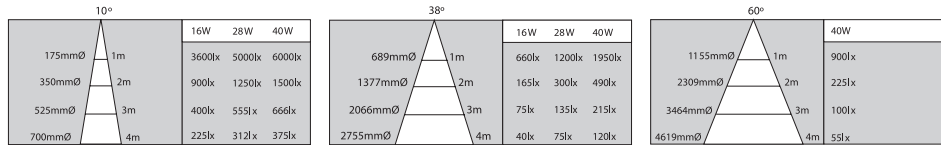


- 10% energy saving compared with standard MR16 lamp
- Same light intensity as standard MR16 lamps.
- Cool beam - 66% of the heat produced is radiated through the back of the lamp
- Less CO₂ emissions - ECO Friendly
- Less heat generation
- Dimmable using a suitable dimmer for operation with a transformer
- 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 life up to 3,000 hrs

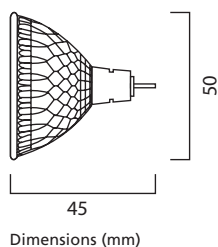


MR16 Home Eco

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0021807	MR16 Home Eco 16W 10° GU5.3	16	12	10	GU5.3	2925	3600	150	2,000	10	C
0021808	MR16 Home Eco 16W 38° GU5.3	16	12	38	GU5.3	2925	660	150	2,000	10	C
0021809	MR16 Home Eco 28W 10° GU5.3	28	12	10	GU5.3	3000	5000	360	2,000	10	B
0021810	MR16 Home Eco 28W 38° GU5.3	28	12	38	GU5.3	3000	1200	360	2,000	10	B
0021811	MR16 Home Eco 40W 10° GU5.3	40	12	10	GU5.3	3050	6000	530	3,000	10	B
0021812	MR16 Home Eco 40W 38° GU5.3	40	12	38	GU5.3	3050	1950	530	3,000	10	B
0021813	MR16 Home Eco 40W 60° GU5.3	40	12	60	GU5.3	3050	900	530	3,000	10	B



MR16 Home Eco - GU5.3





MR16 Home



MR16 Coolfit Home

- 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
- 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 life up to 3,000 hrs



MR16 Home

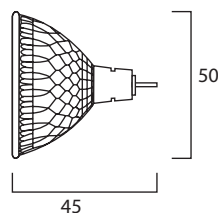
Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
MR16 Home											
0022583	MR16 Home 20W 10° GU5.3	20	12	10	GU5.3	2900	3600	210	2,000	10	B
0022584	MR16 Home 20W 36° GU5.3	20	12	36	GU5.3	2900	700	210	3,000	10	B
0022585	MR16 Home 35W 10° GU5.3	35	12	10	GU5.3	2900	5000	480	2,000	10	B
0022586	MR16 Home 35W 36° GU5.3	36	12	36	GU5.3	2900	1250	480	3,000	10	B
0021821	MR16 Home 50W 10° GU5.3	50	12	10	GU5.3	3000	9000	680	2,500	10	B
0021822	MR16 Home 50W 24° GU5.3	50	12	24	GU5.3	3000	2500	680	2,500	10	B
0021823	MR16 Home 50W 38° GU5.3	50	12	38	GU5.3	3000	1900	680	2,500	10	B
0021824	MR16 Home 50W 60° GU5.3	50	12	60	GU5.3	3000	900	680	2,500	10	B
0021843	MR16 Home 50W 10° GU5.3 PK5	50	12	10	GU5.3	3000	9000	680	2,500	10	B

MR16 Coolfit Home

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0022553	MR16 CLFT 20W 30° GU5.3	20	12	30	GU5.3	2900	750	230	3,000	10	B
0022555	MR16 CLFT 35W 30° GU5.3	35	12	30	GU5.3	2900	1500	500	3,000	10	B

MR 16 Home		10°			38°			60°		
Beam Angle	Distance (m)	20W	35W	50W	20W	35W	50W	35W	50W	
175mmØ	1m	3600lx	5000lx	8000lx	689mmØ	660lx	1200lx	1950lx	700lx	900lx
350mmØ	2m	900lx	1250lx	2000lx	1377mmØ	165lx	300lx	488lx	175lx	225lx
525mmØ	3m	400lx	556lx	889lx	2066mmØ	73lx	133lx	217lx	78lx	100lx
700mmØ	4m	225lx	313lx	500lx	2755mmØ	41lx	75lx	122lx	44lx	56lx

MR 16 Home - GU5.3



Dimensions (mm)



- 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
- Suitable for use in open luminaires following Luminaire Standard EN 60598-1
- Excellent colour rendering (CRI=100)
- Average life up to 3,000 hrs for Superia types (33% longer than standard MR11 lamps)



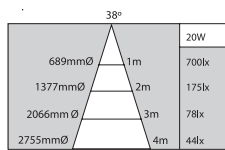
MR11 Superia

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0022338	MR11 Superia 20W 38° GU4	20	12	38	GU4	2925	700	220	4,000	10	B
0022341	MR11 Superia 35W 38° GU4	35	12	38	GU4	3000	1350	480	4,000	10	B

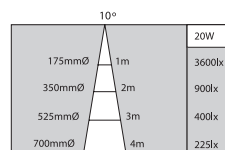
MR11 Home

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Base	Colour Temperature (K)	Candela (cd)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0022393	MR11 Home 20W 30° GU4	20	12	30	GU4	2850	600	200	2,000	10	B
0022395	MR11 Home 35W 30° GU4	35	12	30	GU4	2900	1200	450	2,000	10	B

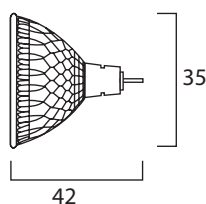
MR11 Superia



MR11 Home



MR11 Superia/ MR11 Home - GU4



Dimensions (mm)



INCANDESCENT

149 Decorative Vintage Lamps



150 Appliance Lamps



Incandescent Lamps

European ERP has banned incandescent lamps for household illumination. Only decorative and special purpose lamps remain available. Sylvania offers a small range suitable for use in refrigerators, ovens and other household appliances, along with decorative, low lumen vintage lamps.

Appliance Lamps

A family of special application lamps suitable for use in ovens, refrigerators and other household appliances.

Decorative Vintage Lamps

A range of special application lamps with an elongated filament and special coating to create an appropriate environment in decorative applications to meet the increasing demand for low lumen lamps with the antique glow of classic incandescent lamps. This new lamp range includes GLS, candles, globes and ST64 shape lamps with a golden finish that enhance the traditional rustic look.





ST64



GLS



Globe (G80)



Globe (G125)



Tubular



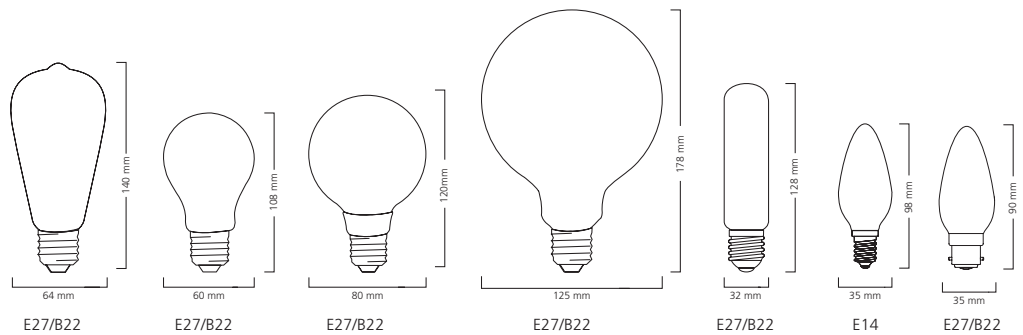
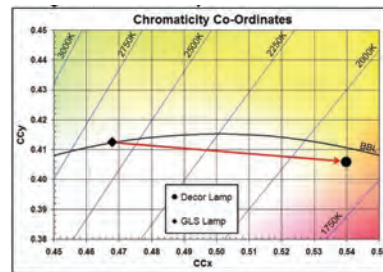
Candle

- Modern renaissance-style decorative lamps with an elongated filament and special coating to create an appropriate environment in special purpose applications
- Perfect for lanterns or exposed-bulb lighting applications
- Hand-wound filaments in different light bulb premises that create a beautiful home or commercial ambiance
- Warm incandescent glow to enhance the mood of both historical and modern environments
- Fully dimmable, helping you alter the mood of a room by adjusting the light level
- Up to 2000 hrs lifetime
- Ideally for hospitality applications



Decorative Vintage Lamps

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
ST64									
0023865	Decorative Vintage ST64 60W E27	60	230-240	E27	1900	150	2,000	10	E
0023866	Decorative Vintage ST64 60W B22	60	230-240	B22	1900	150	2,000	10	E
GLS									
0023869	Decorative Vintage A60 60W E27	60	230-240	E27	1900	245	2,000	10	E
0023870	Decorative Vintage A60 60W B22	60	230-240	B22	1900	245	2,000	10	E
Globe (G80)									
0023871	Decorative Vintage G80 60W E27	60	230-240	E27	1900	160	2,000	6	E
0023872	Decorative Vintage G80 60W B22	60	230-240	B22	1900	160	2,000	6	E
Globe (G125)									
0023873	Decorative Vintage G125 60W E27	60	230-240	E27	1900	155	2,000	6	E
0023874	Decorative Vintage G125 60W B22	60	230-240	B22	1900	155	2,000	6	E
Tubular									
0023875	Decorative Vintage T30 40W E27	40	230-240	E27	1900	200	2,000	10	E
0023876	Decorative Vintage T30 40W B22	40	230-240	B22	1900	200	2,000	10	E
Candle									
0023877	Decorative Vintage Candle 40W E14	40	230-240	E14	1900	200	2,000	10	E
0023878	Decorative Vintage Candle 40W E27	40	230-240	E27	1900	200	2,000	10	E
0023879	Decorative Vintage Candle 40W B22	40	230-240	B22	1900	200	2,000	10	E





Tubular Clear



Pygmy

- Small compact incandescent lamps, high temperature resistant
- Clear finish
- E14 and B22 bases
- Intended for use in special applications including ovens, refrigerators and other household appliances



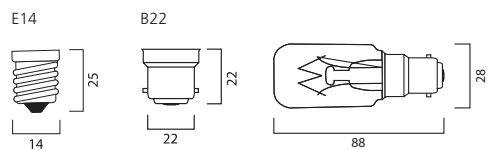
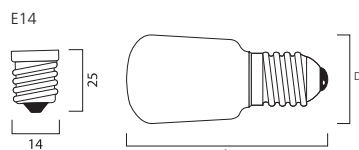
Tubular Clear

Code	Description	Watt (W)	Voltage (V)	Base	Lamp Finish	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0007352	Tubular 26 x 85mm 25W 230V E14	25	230	E14	Clear	210	1,000	10	E
0007351	Tubular 26 x 85mm 25W 240V E14	25	240	E14	Clear	210	1,000	10	E
0007360	Tubular 26 x 85mm 40W 230V E14	40	230	E14	Clear	420	1,000	10	E

Pygmy

Code	Description	Watt (W)	Voltage (V)	Base	Lamp Finish	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
Pygmy Special Application									
0008100	Pygmy 15W 26mm E14	15	230/240	E14	Clear	110	1,000	10	E
Pygmy Oven till 300°C									
0008072	Pygmy Oven 22mm 15W E14	15	230/240	E14	Clear	90	1,000	10	E
Pygmy Refrigerator									
0007339	Pygmy Refrigerator 22mm 15W E14	15	230/240	E14	Clear	90	1,000	10	E
0008120	Pygmy Refrigerator 26mm 25W E14	25	230/240	E14	Clear	175	1,000	10	E

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



Dimensions (mm)





Pommes - Saucen
 Curry - Saucen
 Salat - Saucen
 Braten
 Kasserole

Festtagsaufschnitt
 - Hinterschinken
 - Wiener
 - Rockellkäse

wählch sortiert mit Pasteten
 gebrat
 feingehackte
 482 F.ä.T.

0,89
 0,99
 0,79
 0,89

Wir wünschen
 ein frohliches
 Weihnachtsfest!!

A display case containing various meats and cheeses, including salami, ham, and cheese wheels. A price tag is visible on the front of the case.

A staff member in a white uniform is working behind the counter, preparing food.

SPECIAL APPLICATIONS

155 Food Display



159 Photo Optic



182 Bodycare



188 Insect Trapping



191 Petcare



201 Germicidal



204 Infra Red



209 Traffic Signaling



213 Horticulture



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.

We have a strong background and expertise in photo optic lighting, all our developments are manufactured in our Tienen factory in Belgium.

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.



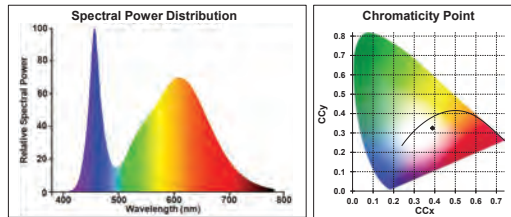


- Complete range from 600 to 1500mm length
- Easy replacement of LFL meat lamps
- Energy efficient
- High average rated life (50,000 Hrs)



foodstar Meat - LED

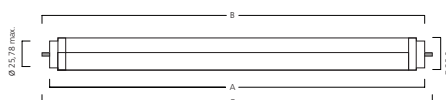
Code	Description	Watt (W)	Voltage (V)	Current (A)	Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty
0027400	ToLEDo Superia Foodstar Meat 2ft	11	220-240	0.05	600	87	G13	3400	850	6
0027401	ToLEDo Superia Foodstar Meat 3ft	11	220-240	0.05	900	87	G13	3400	900	6
0027402	ToLEDo Superia Foodstar Meat 4ft	26	220-240	0.123	1200	87	G13	3400	1850	6
0027403	ToLEDo Superia Foodstar Meat 5ft	32	220-240	0.147	1500	87	G13	3400	2100	6



600mm	A	B	C
Min	-	594.5	-
Max	598.8	596.9	604.0

1200mm	A	B	C
Min	-	1204.1	-
Max	1199.4	1206.5	1213.6

1500mm	A	B	C
Min	-	1504.7	-
Max	1500.0	1507.1	1514.0



Dimensions (mm)



T8



T5

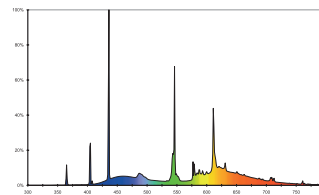
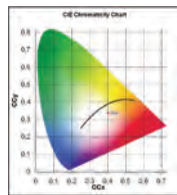
foodstar Meat - Fluorescent

Code	Description	Watt (W)	Voltage (V)	Current (A)	Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty
0001854	FHE 14W T5 176 FoodStar Meat	14	86	0.165	549	2A	G5	3000	650	25
0001819	FHE 21W T5 176 FoodStar Meat	21	126	0.165	849	2A	G5	3000	1050	25
0001820	FHE 28W T5 176 FoodStar Meat	28	166	0.170	1149	2A	G5	3000	1500	25
0001821	FHE 35W T5 176 FoodStar Meat	35	205	0.175	1449	2A	G5	3000	1850	25
0001855	F18W T8 176 FoodStar Meat	18	57	0.370	590	2A	G13	3000	700	25
0001856	F30W T8 176 FoodStar Meat	30	96	0.365	895	2A	G13	3000	1250	25
0001816	F36W T8 176 FoodStar Meat	36	103	0.430	1200	2A	G13	3000	1800	25
0001817	F36W T8 1M 176 FoodStar Meat	36	80	0.560	970	2A	G13	3000	1600	25
0001818	F58W T8 176 FoodStar Meat	58	110	0.670	1500	2A	G13	3000	2850	25
0001857	F70W T8 176 FoodStar Meat	70	128	0.700	1764	2A	G13	3000	3250	25

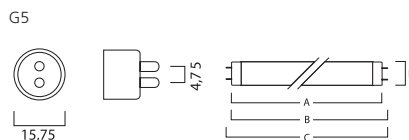
foodstar Meat - Fluorescent Toughcoat™

Code	Description	Watt (W)	Voltage (V)	Current (A)	Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty
0001788	FHE 21W T5 176 FoodStar Meat TC	21	126	0.165	849	2A	G5	3000	1050	25
0001789	FHE 28W T5 176 FoodStar Meat TC	28	166	0.170	1149	2A	G5	3000	1500	25
0001790	FHE 35W T5 176 FoodStar Meat TC	35	205	0.175	1449	2A	G5	3000	1850	25
0001792	F30W T8 176 FoodStar Meat TC	30	96	0.365	895	2A	G13	3000	1250	25
0001793	F36W T8 176 FoodStar Meat TC	36	103	0.430	1200	2A	G13	3000	1800	25
0001795	F58W T8 176 FoodStar Meat TC	58	110	0.670	1500	2A	G13	3000	2850	25

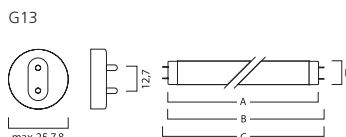
- Features a specially tailored spectrum that complements the natural colours of meats
- Illuminates meat and charcuterie in their optimum colours for an irresistible presentation
- The truthful colour rendering does not disturb the natural colours of the products
- Manufactured in compliance with the 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



	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
36W 1M	970.0	974.1	977.1	984.2	26
58W	1500.0	1504.7	1507.1	1514.2	26
70W	1763.8	1768.5	1770.9	1778.0	26



	A	B	B	C	D
T5	max	min	max	max	nom
14W	549	553.7	556.1	563.2	16
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)



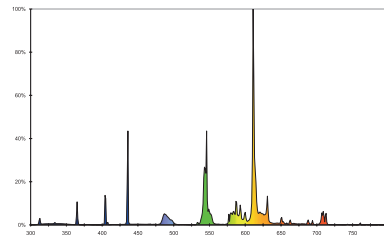
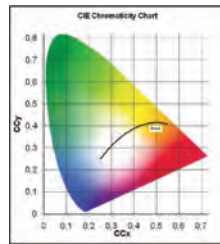


T8



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



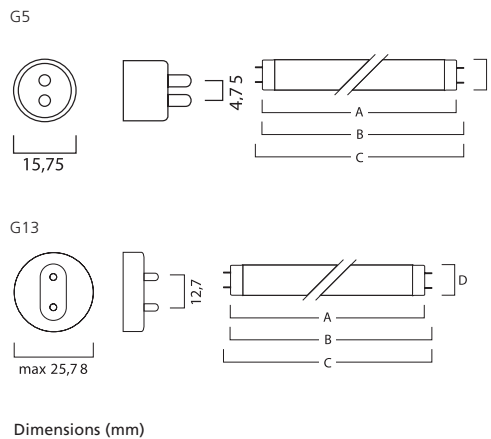
foodstar Bread - Fluorescent

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

foodstar Bread - Fluorescent Toughcoat™

Code	Description	Watt (W)	Voltage (V)	Current (A)	Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty
0001798	FHE 28W T5 FoodStar Bread TC	28	166	0.170	1149	2A	G5	2300	2250	25
0001799	FHE 35W T5 FoodStar Bread TC	35	205	0.175	1449	2A	G5	2300	2850	25
0001802	F36W T8 FoodStar Bread TC	36	103	0.430	1200	2A	G13	2300	3000	25
0001803	F58W T8 FoodStar Bread TC	58	110	0.670	1500	2A	G13	2300	4500	25

	A		B		C		D	
	max	min	max	min	max	min	max	nom
T8								
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			
T5								
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			



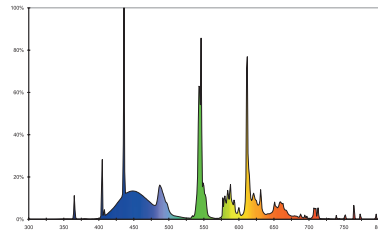
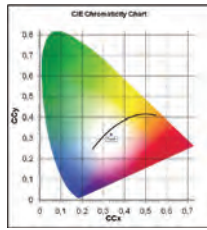


T8



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

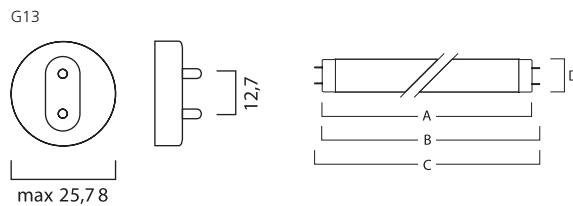


foodstar Fresh - Fluorescent

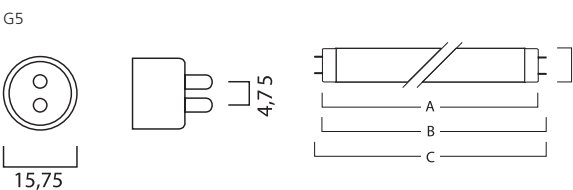
Code	Description	Watt (W)	Voltage (V)	Current (A)	Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty
0001865	FHE 21W T5 FoodStar Fresh	21	126	0.165	849	2A	G5	6400	1250	25
0001866	FHE 28W T5 FoodStar Fresh	28	166	0.170	1149	2A	G5	6400	1700	25
0001867	FHE 35W T5 FoodStar Fresh	35	205	0.175	1449	2A	G5	6400	2150	25
0001868	F36W T8 FoodStar Fresh	36	103	0.430	1200	2A	G13	6400	2350	25
0001869	F58W T8 FoodStar Fresh	58	110	0.670	1500	2A	G13	6400	3500	25

foodstar Fresh - Fluorescent Toughcoat™

Code	Description	Watt (W)	Voltage (V)	Current (A)	Length (mm)	CRI	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty
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



	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)



BA 575 SE NHR



BA 1200 SE NHR

BriteArc Single Ended Non Hot Restrike lamps are compact light sources with excellent performance, specially designed for a wide variety of audiovisual applications. The BriteArc lamps are filled with mercury and rare earth elements to obtain a high efficacy and a stable colour with a very good rendering index. They can be re-struck after 10 minutes. These lamps can be operated in any position.



Features

- High luminous efficacy
- Low infrared
- Colour stability
- Excellent lumen maintenance
- Physical ruggedness

Applications

- Theatre
- Discotheque
- Architectural
- Entertainment

BriteArc Single Ended Non Hot Restrike

Code	Description	Watt (W)	Voltage (V)	Current (A)	Base	Ignition Pulse (KV)	Colour Temperature (K)	Luminous Flux (lm)	CRI	Total UV-output (W)	Replacement Time (Hrs)	Average Rated Life (Hrs)
0023958	BA 400 SE NHR	400	67	6.9	GX9.5	2.2	6200	33000	92	40	750	650
0023960	BA 575 SE NHR	575	95	6.95	GX9.5	2.2	5600	49000	90	60	1,000	750
0023935	BA 1200 SE NHR	1200	100	13.8	G22	2.5	6000	110000	95	100	1,000	750

BA SE D (Long Life)

0023982	BA 70 SE T	70	108	0.98	G12	3.5	6000	5500	80	UV-STOP	1,000	8,000
0023978	BA 150 SE T	150	95	1.8	G12	3	6000	10000	90	UV-STOP	9,000	7,000
0023814	BA 250 SE T	250	95	3	G12	1.9	5900	18000	80	UV-STOP	1,000	1,250
7220168	BA 200 SE D	200	70	3.3	GY9.5	1.9	5600	14000	70	15	3,500	3,000
7220169	BA 250 SE D	250	95	3	GY9.5	1.9	5800	18800	80	18	3,500	3,000
0023981	BA 575 SE D	575	95	6.95	GX9.5	2.2	5600	49000	90	60	2,500	2,000

Nominal values measured at rated wattage in horizontal position.

Dimensions (mm)

Code	Figure No	MOL	AG	DIA	LCL
0023958	3	112	6	23	62
0023960	3	125	7	30	65
0023935	4	175	10	40	85
0023982	1	108	9	20	56
0023978	1	108	11	23	56
0023814	1	108	5	23	56
7220168	2	108	5	23	55
7220169	2	108	5	23	55
0023981	3	125	7	30	65

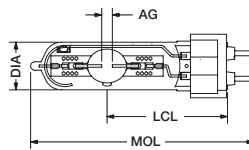


Fig. 1

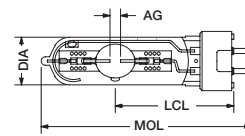


Fig. 2

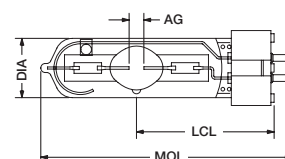


Fig. 3

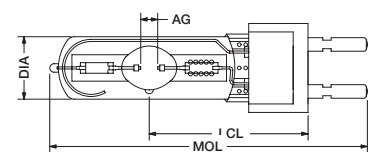


Fig. 4

Dimensions (mm)

BriteArc Single Ended High Colour Temperature (Ba/2 Se)



BA 575 SE NHR

BriteArc Single Ended/2 lamps are compact light sources with a very high colour temperature offering stable crisp bright light during the complete lamp life. They can be re-struck after about 10 minutes. These lamps can be operated in any position.



Features

- Crisp bright light
- High luminous efficacy
- Low infrared
- Colour stability
- Excellent lumen maintenance
- Physical ruggedness applications

Applications

- Theatre
- Discotheque
- Architectural
- Entertainment

BriteArc Single Ended High Colour Temperature (Ba/2 Se)

Code	Description	Watt (W)	Voltage (V)	Current (A)	Ignition Pulse (KV)	Colour Temperature (K)	Luminous Flux (lm)	CRI	Total UV-output (W)	Average Rated Life (Hrs)	Replacement Time (Hrs)	Packing Qty
0023998	BA 250/2 SE D 8.5	250	95	3	1.9	8500	18000	65	30	3,000	3,500	10
0024002	BA 575/2 SE NHR 7.2	575	95	6.95	2.2	7200	45000	85	65	1,000	1,200	10
0024000	BA 575/2 SE NHR 8.5	575	95	6.95	2.2	8500	44000	80	65	1,000	1,200	10

Nominal values measured at rated wattage in horizontal position.

Dimensions (mm)

Code	Figure No	MOL	AG	DIA	LCL
0023998	1	108	5	23	55
0024002	2	125	7	30	65
0024000	2	125	7	30	65

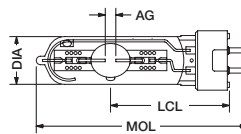


Fig. 1

Dimensions (mm)

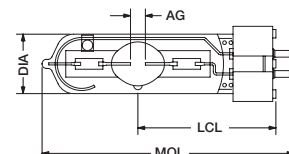


Fig. 2





BA200 SE HR Full Frost



BA 575 SE HR



BA 1200 SE HR

Features

- High luminous efficacy
- Low infrared
- Colour stability
- Excellent lumen maintenance
- Physical ruggedness
- Hot restrike

Applications

- Theatre
- TV-Studio
- Photo studios
- Entertainment

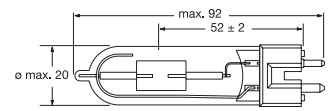


Fig. 1

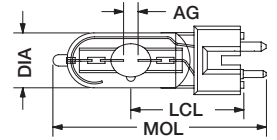


Fig. 2

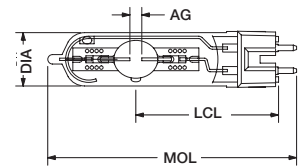


Fig. 3

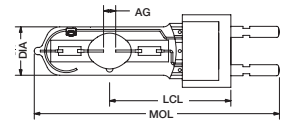


Fig. 4

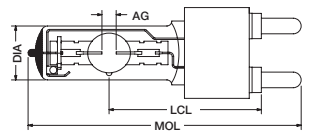


Fig. 5

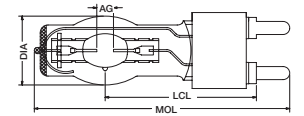


Fig. 6

Dimensions (mm)

Code	Figure No	MOL	AG	DIA	LCL
0023940	1	92	-	20	52
0023944	1	90	5	20	52
0023941	2	80	5	20	39
0023803	2	80	5	20	39
0023883	3	110	6	23	60
0023990	3	110	6	23	60
0023932	4	145	7	30	70
0023892	4	110	4	30	60
0023992	4	145	7	31	70
0023988	4	145	7	31	70
0023933	5	200	10	40	107
0023893	5	200	10	40	107
0023894	5	17	10	40	85
0023810	5	200	10	40	107

BRITEARC Single Ended Hot Restrike (Ba Se Hr)

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	CRI	Luminous flux (lm)	Average Rated Life (Hrs)	Packing Qty
0023940	BA 200 SE HR LCL 3200K	200	70	GZY9.5	3200	88	19000	1,000	10
0023944	BA 200 SE HR LCL 5600K	200	70	GZY9.5	5600	95	15000	200	10
0023941	BA 200 SE HR	200	70	GZY9.5	5600	95	15000	200	10
0023803	BA 200 SE HR FULL FROST	200	70	GZY9.5	5600	95	15000	200	10
0023883	BA 400 SE HR	400	67	GZY9.5	6200	92	33000	650	10
0023990	BA 400 SE HR FULL FROST	400	67	GZY9.5	6200	92	33000	650	10
0023932	BA 575 SE HR	575	95	G22	5600	90	49000	750	10
0023892	BA 575 SE HR DIM 3200K	575	67	GZZ9.5	3200	90	40000	650	10
0023992	BA 800 SE HR	800	95	G22	6000	95	64000	1,000	10
0023988	BA 800 SE HR 3200	800	95	G22	3200	90	64000	650	10
0023933	BA 1200 SE HR	1200	100	G38	6000	95	110000	750	10
0023893	BA 1600 SE HR	1600	110	G38	5600	95	145000	500	1
0023894	BA 1600 SE HR DAYLIGHT-G22 Special Base	1600	1000	G22	5600	95	-	500	1
0023810	BA 1800 SE HR	1800	100	G38	6000	90	170000	750	1

Nominal values measured at rated wattage in horizontal position.



BA 1200/2 DE S Gold
BA 700/2 DE S
BA 575/2 DE



BA 2500 DE & BA 2500 DE A



BA 6000 DE

BriteArc Double Ended lamps are metal halide light sources with excellent performance, specially designed for a wide variety of audio-visual applications. The BriteArc lamps are filled with mercury and rare earth elements to obtain a high efficacy and a stable colour. They can be re-struck at any time with a voltage peak from 25 to 55 kV.



Features

- High luminous efficacy
- Low infrared & Colour stability
- Excellent lumen maintenance
- Physical ruggedness, Hot restrike

Applications

- Theatre
- Discotheque
- Architectural
- Entertainment

Directions for use

- Burning position: universal for 575W, 700W and 1200W; horizontal plus or minus 30 degrees for BA 2500 DE, BA 2500 DE S; horizontal plus or minus 15 degrees for BA 2500 DE A, 4000W, 6000W and 12000W
- Can be operated on an electronic power supply or on a magnetic ballast

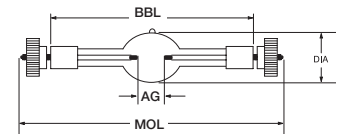


Fig. 1

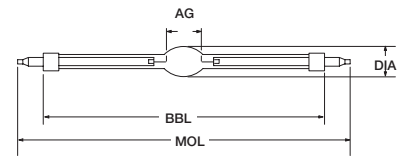


Fig. 2

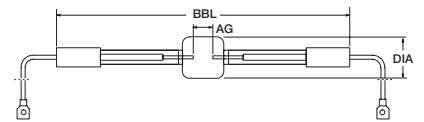


Fig. 3

Dimensions (mm)

Code	Figure No	MOL	AG	DIA	LCL
0023921	1	136	7	21	115
0023917	1	138	7	21	115
0023994	1	136	4	18	115
0023993	1	136	4	18	115
0023992	1	220	10	28	180
0023995	1	138	7	22.5	115
0023996	1	136	7	21	115
0023811	2	220	10	28	180
0023923	2	355	20.5	32	290
0023918	2	210	20.5	32	-
0023911	2	364	25	36.5	182
0023924	2	405	32	40	340
0023925	3	-	22	52	450
0023927	3	-	32	65	470

Dimensions (mm)

BriteArc Double Ended (BA DE)

Code	Description	Watt (W)	Voltage (V)	Base	Current (A)	Ignition Pulse (KV)	Colour Temperature (K)	Luminous Flux (lm)	CRI	Total UV-output (W)	Average Rated Life (Hrs)	Replacement Time (Hrs)	Packing Qty
0023921	BA 575 DE	575	95	SFc10-4	7	25.0	5600	49000	70	70	750	1,000	10
0023917	BA 575/2 DE	575	95	SFc10-4	7	25.0	8000	44000	70	100	750	1,000	10
0023994	BA 700/2 DE S 7.5	700	70	SFc10-4*	11.2	25.0	7500	56000	70	100	1,000	1,250	10
0023993	BA 700/3 DE S 3200K	700	70	SFc10-4*	11.2	25.0	3200	60000	92	100	750	1,000	10
0023922	BA 1200 DE	1200	100	SFc15.5-6	13.8	45.0	5600	110000	80	140	750	1,000	10
0023995	BA 1200 DE S 6.0	1200	105	SFc10-4*	13.8	25.0	6000	110000	90	130	750	1,000	10
0023996	BA 1200/2 DE S 7.2	1200	100	SFc10-4*	13.8	25.0	7200	95000	77	160	750	1,000	10
0023811	BA 1800 DE	1800	100	SFc15.6	20	5.0	6000	170000	>90	225	750	850	1
0023923	BA 2500 DE	2500	115	SFa21-12	26.6	45.0	5600	240000	90	310	500	750	1
0023918	BA 2500 DE S	2500	115	SFa21-12	26.6	45.0	5600	240000	90	310	500	750	1
0023911	BA 2500 DE A	2500	120	SFa21-12	21.7	45.0	5600	250000	90	150	2,000	2,400	1
0023924	BA 4000 DE	4000	200	SFa21-12	24	65.0	6000	380000	85	640	500	750	1
0023925	BA 6000 DE	6000	123	S25.5X60	55	50.0	6000	570000	90	1000	350	450	1
0023927	BA 12000 DE	12000	160	S30X70	82	65.0	6000	1100000	90	2200	500	550	1



BA 300/2 LL mini BriteFit and BA 700/2 mini BriteFit



BA 700/2 BriteFit and BA 1500 BriteFit

BriteArc "BriteFit" lamps are metal halide light sources with excellent performance, specially equipped with a bayonet system "BriteFit", for fast and easy replacement.



Features

- Easy replacement system Sylvania BriteFit
- No outer bulb : allows reduced lamp dimensions
- High luminous efficacy
- Low infrared
- Very good colour stability and quality
- Excellent lumen maintenance
- Physical ruggedness

Applications

- Show lighting
- Theatre
- Discotheque lighting
- Effect lighting
- Studio lighting

BriteArc "BriteFit"

Code	Description	Watt (W)	Voltage (V)	Base	Current (A)	Ignition Pulse (KV)	Colour Temperature (K)	Luminous Flux (lm)	CRI	Total UV-output (W)	Average Rated Life (Hrs)	Replacement Time (Hrs)	Packing Qty
0023805	BA 300/2 mini BriteFit - NEW	300	95	PGJX28	3.8	1.9	8400	23000	2A	60	750	1,000	10
0023809	BA 300/2 LL mini BriteFit - NEW	300	95	PGJX28	3.8	1.9	8500	22000	2A	60	2,000	2,200	10
0023812	BA 575/2 mini BriteFit - NEW	575	95	PGJX28	7	2.5	7500	38600	2A	75	750	1,000	10
0023800	BA 700/2 mini BriteFit - NEW	700	70	PGJX28	10.2	2.5	7500	50000	2A	100	750	1,000	10
0023813	BA 700 mini Britefit Daylight	700	82	PGJX50	12.2	2.5	5600	50000	2A	100	750	1,000	10
0023808	BA 700/3 mini Britefit 3200	700	70	PGJX28	10.2	2.5	3200	50000	1B	100	750	1,000	10
0023806	BA 700/2 BriteFit	700	70	PGJX28	10.2	2.5	7500	50000	2A	100	750	1,000	10
0023815	BA 700 Britefit Daylight	700	70	PGJX50	10.2	2.5	5600	50000	2A	100	750	1,000	10
0023807	BA 700/3 mini BriteFit - NEW	700	70	PGJX28	10.2	2.5	3200	50000	1B	100	750	1,000	10
0023817	BA 1000 medium Britefit Daylight	1000	82	PGJX36	12.2	4	6000	85000	85	130	750	850	10
0023818	BA 1000/3 medium Britefit 3200K	1000	82	PGJX36	12.2	4	3200	85000	90	130	750	850	10
0023801	BA 1500 BriteFit- NEW	1500	100	PGJX28	16	3.5	6000	135000	1A	200	750	1,000	10

Dimensions (mm)

Code	Figure No	MOL	AG	DIA	BBL
0023805	1	122	5	23	67
0023809	1	122	5	23	67
0023812	2	112	4	23	56
0023800	2	112	4	23.2	56
0023813	2	112	5.5	23.5	56
0023808	2	125	4	23.2	65
0023806	2	125	4	23.2	65
0023815	2	125	4	23.2	65
0023807	2	112	4	23.2	56
0023817	2	112	5.5	26.5	56
0023818	2	112	5.5	26.5	56
0023801	2	128	5	27	65

Fig 1

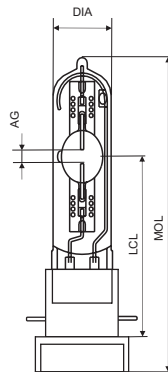
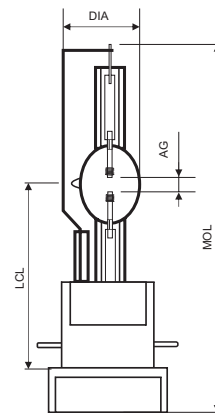


Fig 2



Dimensions (mm)

BriteArc Cross Reference

Code	Description	Philips	Osram	GE Lighting
Single Ended Non Hot Restrike				
0023958	BA 400 SE NHR	MSR 400	HSR 400/60	-
0023960	BA 575 SE NHR	MSR 575	HSR 575/60	-
0023935	BA 1200 SE NHR	MSR 1200	HSR 1200/60	-
Single Ended Non Hot Restrike - Long Life				
0023982	BA 70 SE T DAYLIGHT	CDM-T 70 4000K	HSD 70	CMH 70
0023978	BA 150 SE T DAYLIGHT	CDM-SA/T 150 4200K	HSD 150	CMH 150
0023814	BA 250 SE T DAYLIGHT	CDM-T 250 4200K	-	-
7220168	BA 200 SE D	MSD 200	HSD 200/60	-
7220169	BA 250 SE D	MSD 250	HSD 250/60	-
0023981	BA 575 SE D	MSD 575	HSD 575/72	-
Hot Restrike - High Colour Temperature				
0023998	BA 250/2 SE D 8500	MSD 250/2	HSD 250/80	CSD 250/2/SE
0024002	BA 575/2 SE NHR 7200	MSR 575/2	HSR 575/72	CSR 575/2/SE
0024000	BA 575/2 SE NHR 8500	-	-	-
Single Ended Hot Restrike				
0023944	BA 200 SE HR LCL 3200	-	-	-
0023940	BA 200 SE HR LCL DAYLIGHT	-	-	-
0023941	BA 200 SE HR DAYLIGHT	MSR 200 HR	HMI 200W/SE	CSR 200/SE/HR
0023803	BA 200 SE HR DAYLIGHT FULL FROSTED	-	-	-
0023883	BA 400 SE HR DAYLIGHT	MSR 400 HR	HMI 400W/SE	CSR 400/SE/HR
0023898	BA 400 SE HR 3200	-	-	-
0023990	BA 400 SE HR DAYLIGHT FULL FROSTED	-	-	-
0023932	BA 575 SE HR DAYLIGHT	MSR 575 HR	HMI 575W/SE	CSR 575/SE/HR
0023892	BA 400/575 SE HR DIM 3200K - DEDO	-	-	-
0023992	BA 800 SE HR DAYLIGHT	-	-	CSR 800/SE/HR
0023988	BA 800 SE HR 3200	-	-	-
0023933	BA 1200 SE HR DAYLIGHT	MSR 1200 HR	HMI 1200W/SE	CSR 1200/SE/HR
0023899	BA 1200 G22 DAYLIGHT DIM-DEDO	-	-	-
0023893	BA 1600 SE HR G38 DAYLIGHT	-	-	-
0023894	BA 1600 SE HR DAYLIGHT-G22 special base	-	-	-
0023810	BA 1800 SE HR DAYLIGHT	-	HMI 1800W/SE	CSR 1800/SE/HR
Double Ended				
0023921	BA 575 DE DAYLIGHT	MSI 575W	HMI 575W/GS	CSR 575/S/DE/70
0023917	BA 575/2 DE 8000	-	HTI 575/DE	CSR 575/S/DE/70
0023994	BA 700/2 DE S 7500	MSR Gold 700SA/2 DE	HTI 700W/D4/75	-
0023993	BA 700/3 DE S 3200	-	-	-
0023922	BA 1200 DE DAYLIGHT	MSI 1200W	HMI 1200W GS	CSR 1200/DE
0023995	BA 1200 DE S 6000 GOLD	MSR Gold1200SA/DE	HTI 1200W/D7/60	CSR 1200/S/DE
0023996	BA 1200/2 DE S 7200 GOLD	MSR Gold1200SA/2 DE	HTI 1200W/D7/75	-
0023811	BA 1800 DE DAYLIGHT	MSR 1800W DE	-	-
0023923	BA 2500 DE DAYLIGHT	MSI 2500W	HMI 2500W GS	CSR 2500/DE
0023918	BA 2500 DE S	-	HMI 2500W/S	-
0023911	BA 2500 DE A	MSA 2500 DE	HMI 2500W Sfa21	-
0023924	BA 4000 DE	MSI 4000W	HMI 4000W	CSR 4000/DE
0023925	BA 6000 DE	MSI 6000W	HMI 6000W	CSR 6000/DE
0023927	BA 12000 DE	MSI 12000W	HMI 12000W/GS	CSR 12000/DE
Single Ended Britefit				
0023805	BA 300/2 MINI BRITFIT 8500	MSR 300/2 MiniFastFit	-	CSR300/2/TAL
0023809	BA 300/2 LL MINI BRITFIT 8500	MSD 300/2 MiniFastFit	HSD 300 W/80/P28 Lok-it	CSD300/2/TAL
0023812	BA 575/2 MINI BRITFIT 7500	MSR 575/2 MiniFastFit	-	-
0023800	BA 700/2 MINI BRITFIT 7500	MSR 700/2 MiniFastFit	HTI 700W/75/P28 Lok-it	CSR700/TAL -28
0023813	BA 700 MINI BRITFIT DAYLIGHT	-	-	-
0023808	BA 700/3 MINI BRITFIT 3200	-	-	-
0023806	BA 700/2 BRITFIT 7500	MSR 700/2 FastFit	HTi 700W/75/P50 Lok-it	CSR700/TAL - 50
0023815	BA 700 BRITFIT DAYLIGHT	-	-	-
0023808	BA 700/3 BRITFIT 3200	-	-	-
0023817	BA 1000 MEDIUM BRITFIT DAYLIGHT	-	HTI 1000/PS Lok-it	-
0023818	BA 1000/3 MEDIUM BRITFIT 3200K	-	-	-
0023801	BA 1500 BRITFIT DAYLIGHT	MSR 1500 FastFit	HTI 1500 W/60/P50 Lok-it	CSR1500/TAL - 50



Features

- Near continuous spectrum ranging from 200-1000nm
- Colour temperature: 5400K.
- Xenon spectrum, similar to daylight
- Instant ignition, no warming up time



Applications

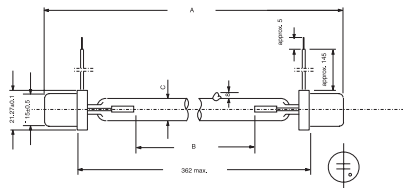
- Discotheque
- Entertainment

Directions for use

- Operate on a semi resonant ballast
- Ignitor providing a starting pulse of 10kV required
- Forced –air cooling needed
- The UV radiation must be cut out with a filter glass

Pulsed Xenon

Code	Description	Watt (W)	Current (A)	Base	Max. Pinch Temp. (C°)	Max. Bulb Temp. (C°)	Dimensions A (mm)	Dimensions B (mm)	Dimensions C (mm)	Average Rated Life (Hrs)	Packing Qty
9023475	XP 1500W	1500	10.7	Cable 15.8/14.7	350	650	398	312	12	500	10
9023401	XP 2500W	2500	16	Cable 15.8/14.7	350	650	543	457	12	500	10



Dimensions (mm)





HSW 125W



HSW 400W

Features

- Outer bulb in Wood's Glass
- Powerful, compact source of UV-A
- 15% UV depreciation per thousand hours
- Operates on conventional mercury ballast
- 160W version requires no ballast



Applications

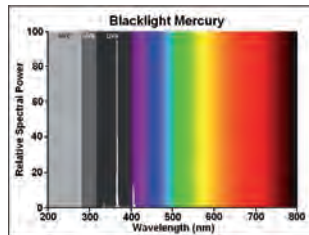
- Effect lighting
- Theatrical and stage lighting
- Leak and crack detection
- Advertisements and sign boards
- Geological investigation of stones and rocks
- Textile and Food Industries

Directions for use

- Burning position for 125 and 400W: universal
- Burning position for 160W: Vertical +/- 30 degrees
- 160W is a self ballasted lamp

Blacklight Mercury Lamps

Code	Description	Watt (W)	Voltage (V)	Base	UV-A@1m mW/m ²	Circuit	Bulb	Average Life (Hrs)	Packing Qty
0023970	HSW 125	125	125	E27	400	External Ballast	ED75	4,000	10
0023972	HSW400	400	135	E40	1200	External ballast	BT120	4,000	10
0023973	HSW160	160	230/240	E27	150	Self-ballasted	ED75	2,000	10



Dimensions (mm)

Code	Figure No	MOL	LCL	Max Dia
0023970	1	178	115	76
0023972	2	292	178	122
0023973	1	178	105	76

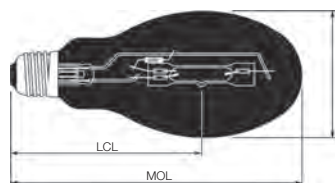


Fig. 1

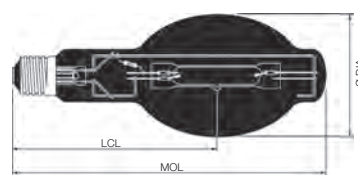


Fig. 2

Dimensions (mm)



EKE 21V 150W



ELC 24V 250W

Features

- Compact filament
- Perfect alignment of the burner
- Highly efficient reflector/lamp combination
- Dichroic reflector, which radiates 75% of the heat backwards
- Long life versions for disco lighting
- Excellent lumen maintenance over life

Applications

- Discotheque
- Medical equipment
- Microfilm readers
- Fibre optic applications
- Overhead projectors
- Slide projectors

Directions for use

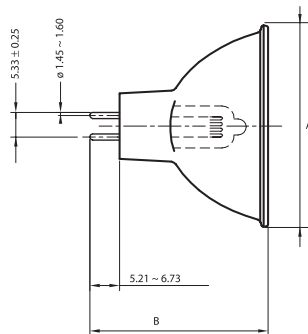
- Forced cooling necessary

Dichroic Reflector 42/50 mm (MR 13/MR 16) GX5.3

Code	Description	Watt (W)	Voltage (V)	Base	Working Type	Colour Distance (mm)	Reflector Surface	Burning Position	Rated Temp. (K)	Average Rated Life (Hrs)	Packing Qty
9060943	EKE 21V 150W	150	21	GX5.3	CC-6	44.5	Smooth	S90	3250	200	10
0061740	ELC 24V 250W 50H	250	24	GX5.3	CC-6	31.7	Faceted	S90	3400	50	10
0061741	ELC 24V 250W 500H	250	24	GX5.3	CC-6	31.7	Smooth	S90	3300	500	10
0061743	ELC 24V 250W 1000H	250	24	GX5.3	CC-6	31.7	Smooth	S90	3300	1,000	10

Dimensions (mm)

Code	Figure No	A	B
9060943	1	50.7	44.5
0061740	1	50.7	44.5
0061741	1	50.7	44.5
0061743	1	50.7	44.5



Dimensions (mm)



BRL 12V 50W G6.35

Features

- Low voltage, quartz halogen lamp
- Flat filament
- Constant high light output
- Pre-focused based lamps have a better defined filament position



Applications

- Studio lighting
- Film lighting
- Theatre lighting
- Microfilm readers
- Film projectors
- Overhead projectors
- Slide projectors

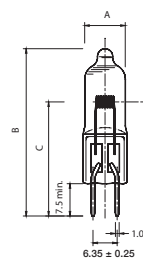
Capsule Lamps Low Voltage

Code	Description	Watt (W)	Voltage (V)	Base	Type	Burning Position	Average Rated Life (Hrs)	Packing Qty
0061300	BRL 12V 50W	50	12	G6.35	CF-6	S90	50	50
0061494	EWX 24V 250W	250	24	G6.35	CC-6	S90	50	10



Dimensions (mm)

Code	Figure No	A	B	C
0061300	1	92	-	20
0061494	1	110	6	23



Dimensions (mm)



A1/244 240V 500W

Features

- Compact quartz halogen lamp
- Maximum light output, but relatively low life
- Pre-focused based lamps have a better defined filament position



Applications

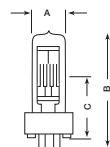
- Overhead projectors
- Slide projectors
- Photo printers

Capsule Lamps Mains Voltage

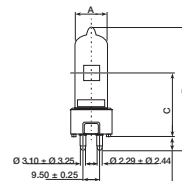
Code	Description	Watt (W)	Voltage (V)	Type	Colour Temperature (K)	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0061734	GKV 240V 600W	600	240	C-13D	3200	14000	250	25
9061168	A1/244 240V 500W	500	240	C-13	3200	13000	75	50

Dimensions (mm)

Code	Figure No	A max	B	C
0061734	1	90	5	20
9061168	2	145	7	30



Dimensions (mm)





DXX 240V 800W



FEX 240V 2000W

Features

- High constant light output
- High colour temperature



Applications

- Electronic News Gathering (ENG)
- Studio lighting
- Film lighting
- Overhead projectors (FAD type)

Studio/Film Double Ended

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Lumen Output (lm)	Average Rated Life (Hrs)	Packing Qty
0061321	DXX 240V 800W	800	240	R7s	3200	20000	75	50
9060822	EME 240V 800W	800	230	R7s	3200	20000	150	10
0060884	FEX 240V 2000W	2000	240	RX7s	3200	50000	300	10

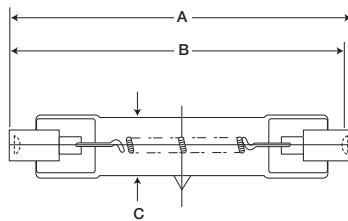


Fig. 1

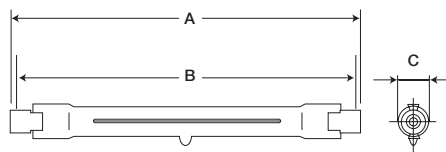


Fig. 2

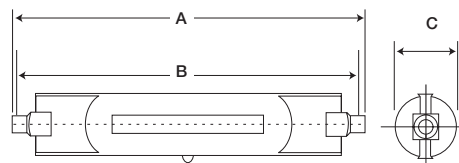


Fig. 3

Dimensions (mm)

Code	Figure No	A max	B	C
0061321	1	80.3	74.9	14
9060822	2	119.6	114.2	12
0060884	3	141.5	138.1	27

Dimensions (mm)



CP70-FVB 240V 1000W

Features

- High light output from a compact filament source
- Compact square filament design
- Colour temperature: 3200K



Applications

- Studio lighting
- Disco lighting
- Film lighting

Studio/Film Single Ended

Code	Description	Watt (W)	Voltage (V)	Base	Colour Temperature (K)	Lumen Output (lm)	Average Rated Life (Hrs)	Packing Qty
9061116	CP/71 FKJ 240V 1000W	1000	240	G22	3200	26000	200	20
9061118	CP/73 FKP 240V 2000W	2000	240	G38	3200	52000	400	1
9061119	CP/72 FTL 240V 2000W	2000	240	GY16	3200	52000	400	20
9061121	CP/72 FTL 240V 2000W	1000	240	GX9.5	3200	26000	200	20
9061122	CP/81 FSK 240V 300W	300	240	GY9.5	3200	7050	150	10
9061126	CP/89 FRM 240V 650W	650	240	GY9.5	3200	16250	150	25

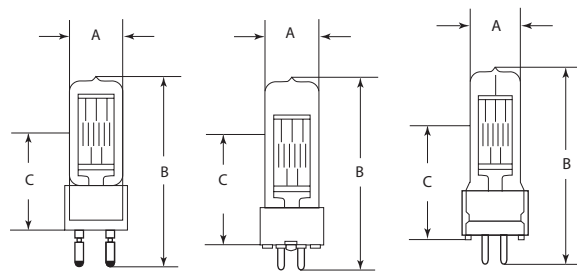


Fig. 1

Fig. 2

Fig. 3

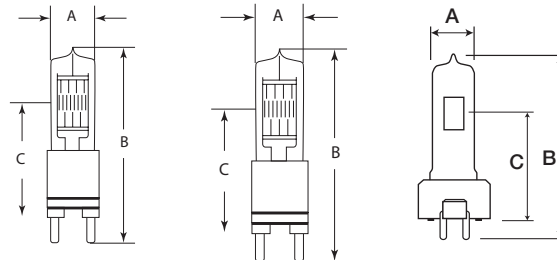


Fig. 4

Fig. 5

Fig. 6

Dimensions (mm)

Code	Figure No	Diameter A	MOL B	LCL C
9061116	1	35	140	63.5
9061118	1	35	210	127.0
9061119	2	35	145	70.0
9061121	2	26	110	55.0
9061122	3	18	90	46.3
9061126	4	23	90	46.3

Dimensions (mm)



FWR 240V 1000W

Features

- Compact filament configuration resulting in more light emitted from the focal point
- Longer life than studio and film lamps



Applications

- Stage and theatre
- Entertainment

Stage/Theatre Single Ended

Code	Description	Watt (W)	Voltage (V)	Base	Lumen Output (lm)	Average Rated Life (Hrs)	Packing Qty
9061545	T/27 GCK 230V 650W	650	240	GY9.5	14500	400	25
9061548	T/19 FWR 240V 1000W	1000	240	GY9.5	20500	750	20
0061733	M/40 240V 500W	500	230	GY9.5	8500	2,000	50

Dimensions (mm)

Code	Figure No	A max	B	C
9061545	1	23	90	46.5
9061548	2	26	110	55
0061733	1	23	90	46.5

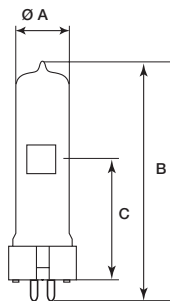


Fig. 2

Dimensions (mm)

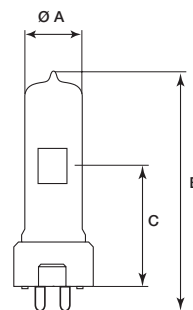


Fig. 1



Features

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

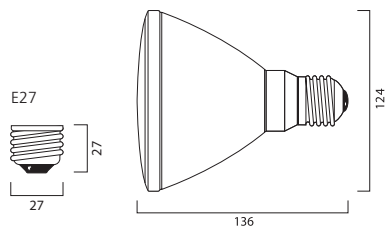


Applications

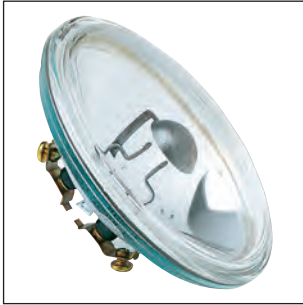
- Commercial accent lighting
- Bars, clubs and discos
- Entertainment
- Display

PAR 38 Coloured

Code	Description	Watt (W)	Voltage (V)	Base	Packing Qty
0019650	PAR38 240V 80W E27 Blue	80	240	E27	10
0019651	PAR38 240V 80W E27 Green	80	240	E27	10
0019652	PAR38 240V 80W E27 Red	80	240	E27	10
0019653	PAR38 240V 80W Yellow	80	240	E27	10



Dimensions (mm)



PAR 36

Features

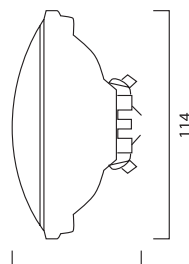
- Pressed glass reflector lamps
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Economical light source for effects
- Halogen version delivers maintained beam intensity throughout life

Applications

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

PAR 36

Code	Description	ANSI	Watt (W)	Voltage (V)	Beam	Approx Beam Spread 10% Peak CD (°)	Base	Peak Intensity (cd)	Colour Temperature (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	2,000	Any	12
0060503	PAR 36 120V 650W	DWE	650	120	Medium Flood	40x30	Screw Terminal	24000	3200	100	H15	12



Dimensions (mm)



PAR 56 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

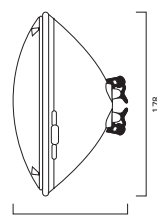


Applications

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

PAR 56 Low Voltage

Code	Description	ANSI	Watt (W)	Voltage (V)	Beam	Approx Beam Spread 10% Peak CD (°)	Base	Peak Intensity (cd)	Colour Temperature (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

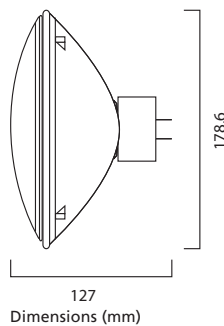


Applications

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

PAR 56 Mains Voltage

Code	Description	Watt (W)	Voltage (V)	Beam Type	Approx Beam Spread 10% Peak CD (°)	Approx Beam Spread 50% Peak CD (°)	Base	Peak Intensity (cd)	Colour Temperature (K)	Average Rated Life (Hrs)	Burning Position	Packing Qty
0060513	PAR 56 300W NSP 240V	300	240	Narrow Spot	20x14	10x8	GX16d	70000	2750	2,000	Any	12
0060514	PAR 56 300W MFL 240V	300	240	Medium Flood	34x19	23x11	GX16d	30000	2750	2,000	Any	12
0060515	PAR 56 300W WFL 240V	300	240	Wide Flood	57x27	37x18	GX16d	10000	2750	2,000	Any	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

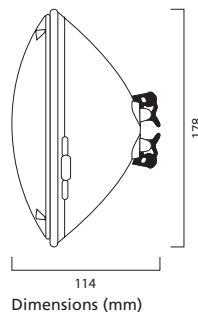
- All retrofit PAR56 underwater
- Swimming Pools
- Fountains



PAR 56 12V LED Swimming Pool

Code	Description	Watt (W)	Voltage (V)	Current (A)	Luminous Flux (lm)	Efficacy (lm/W)	Base	Packing Qty
0060541	PAR56 LED White	14	12	0.1944	1000	71	2-Lug	6
0060646	PAR56 LED White Superia	28	12	0.3889	2000	71	2-Lug	6
0060540	PAR56 LED RGB	12	12	0.1667	R:300, G:400, B:150	-	2-Lug	6
0060542	PAR56 LED Receiver	max. 250	100/ 250	max. 1A	-	-	Screw Terminals	6
0060543	PAR56 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

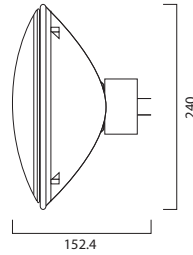
- Pressed glass reflector lamps
- Extremely powerful beam
- Halogen inner capsule, for 100% lumen maintenance through life
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Instant replaceability without the need to re-focus and re-aim fixtures
- Double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



universal

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)	Voltage (V)	Beam Type	Approx Beam Spread 10% Peak CD	Approx Beam Spread 50% Peak CD	Base	Peak Intensity (cd)	Colour Temperature (K)	Average Rated Life (Hrs)	Burning Position	Packing Qty
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



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 faceted aluminised reflector
- Available in medium flood version: 25°

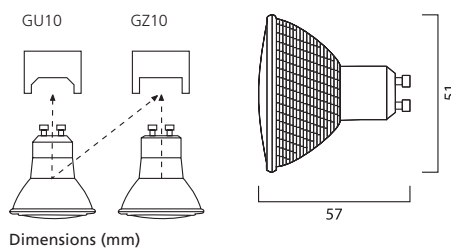
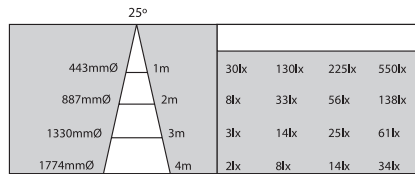


Applications

- Architectural features
- Discos and clubs
- Decorative lighting

Hi-Spot ES50 GU10 Coloured

Code	Description	Watt (W)	Voltage (V)	Beam Angle (°)	Luminous Intensity (cd)	Colour	Base	Average Rated Life (Hrs)	Packing Qty
0021270	Hi-Spot ES50 50W 240V Blue	50	240	25	30	Blue	GU10	2,500	10
0021271	Hi-Spot ES50 50W 240V Green	50	240	25	130	Green	GU10	2,500	10
0021272	Hi-Spot ES50 50W 240V Red	50	240	25	225	Red	GU10	2,500	10
0021273	Hi-Spot ES50 50W 240V Yellow	50	240	25	550	Yellow	GU10	2,500	10



Blacklight Blue Lamps



F8 T5 BLB 8W & F18 T8 BLB 18W

Features

- The lamps efficiently emit near ultraviolet radiation at 315nm-400nm with strong photochemical and fluorescent effects
- The special deep blue filter glass absorbs visible rays and transmits near (UV-A) ultraviolet rays only
- Shape, electrical characteristics and lighting circuits similar to general fluorescent lamps

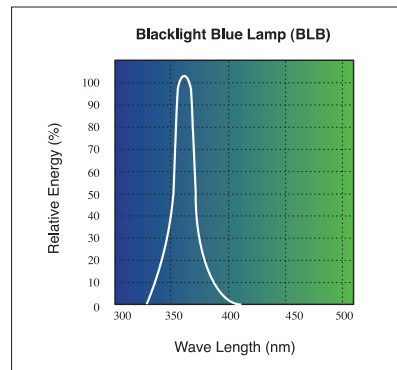


Applications

- Special effects
- Counterfeit detection in philately, bank notes, papers
- Leak and crack detection
- Excitation of fluorescent paints in dark rooms
- Revealing fluorescence of drawings on textiles
- Geological investigation of stones and rocks

Blacklight Blue Lamps

Code	Description	Watt (W)	Voltage (V)	Current (A)	Spectral Peak nm	Base	UV-A Irradiance at 1 meter $\mu\text{W}/\text{cm}^2$	Average Rated Life (Hrs)	Packing Qty
0000698	F18 T8 BLB	18	57	0.370	365	G13	≥ 34.5	7,000	100
0000699	F36 T8 BLB	36	103	0.430	365	G13	≥ 39	8,000	25



Dimensions (mm)

	A	B	C
2ft	598.8	596.5	604.0
4ft	1199.4	1206.5	1213.6
5ft	1500.0	1499.8	1514.2



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

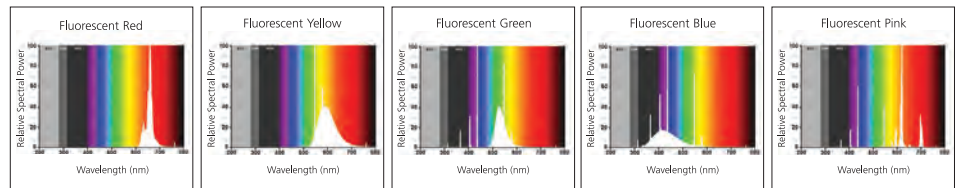


Applications

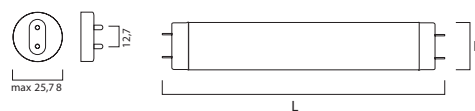
- Shop windows, bars, fairground attractions, dance halls and discotheques

T8 Coloured

Code	Description	Watt (W)	Colour	Base	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



G13



Dimensions (mm)



PureSun™
SYLVANIA

Next generation lamp technology

For deeper, longer-lasting tans

UV phosphor only the best is good enough

Our new PureSun range uses advanced materials and technology to provide both an improved tan for the customer and a longer life lamp for the salon owner. The choice of phosphor is crucial to PureSun's success. Our secret lies in selecting phosphor with the ideal UVA/UVB ratio for direct and indirect tanning. In addition to this, we use a high-tech process called Chemical Vapour Deposition to ensure the purity of the phosphor in each lamp, resulting in a reduction in UV loss over time.

Mercury content – less than 10mg

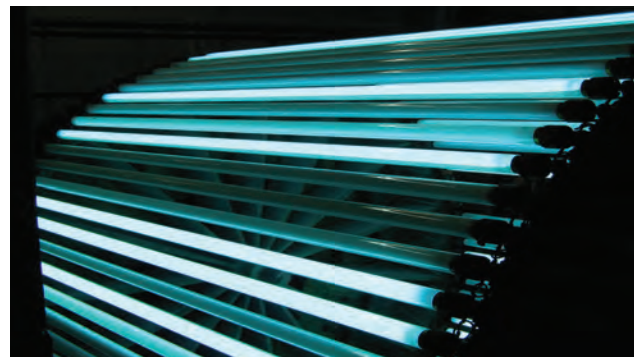
The Mercury (Hg) discharge is the engine that determines the efficiency of the lamps. Without Mercury the lamp switches off, but if there is too much Mercury the UV output of the lamp does not become stable and cannot reach its maximum UV output. This phenomena is what you experience as uneven 'colour' and is often called a 'dull effect' by end users.

Sylvania can fill all T12 sun tanning lamps with a precise amount of Mercury – less than 10mg – using a unique, patented method. EU environmental legislation requires less than 15mg of Mercury – so our lamps are well below this limit.

Advanced manufacturing ensures gas purity inside each lamp

The Mercury (Hg) discharge is the engine that determines the efficiency of the lamps. Without Mercury the lamp switches off, but if there is too much Mercury the UV output of the lamp does not become stable and cannot reach its maximum UV output. This phenomena is what you experience as uneven 'colour' and is often called a 'dull effect' by end users.

Sylvania can fill all T12 sun tanning lamps with a precise amount of Mercury – less than 10mg – using a unique, patented method. EU environmental legislation requires less than 15mg of Mercury – so our lamps are well below this limit.





PureSun HOT lamps are long-lasting premium products that produce considerable amounts of UVB and UVA. These lamps are strong enough to reach very short session times in any tanning equipment. PureSun HOT is designed to give your customers immediate colour using higher UVA and UVB levels.



Premium lamps with higher output, universal results and true 1000 hour life make it a major advancement in the tanning. Proprietary phosphors give a superlative tanning experience and quick results. They not only deliver an exceptional tan but offer a long service life too – you can expect this from all PureSun lamps.

PureSun - Hot

Code	Description	Watt (W)	Mount Design	Length (cm)	Typical radiation strength* (mW/cm2)	UVB (%)	UVA (W)	Sun/Ery Factor (Fse)	Tanning Time ST3** (min)	Average Rated Life (Hrs)	UV-code
T5 lamps											
0073014	PureSun 25W 1.5%	25	-	52	16	1.5	5.5	0.07	14	600	25-O-20/6.5
T12 160W-R 1.76cm lamps											
0071264	PureSun 160W 1.6% R PEAK	160	Short	176	20	1.6	38	0.21	10	1,000	160-R-56/5.8
0071221	PureSun 160W 2.0% R	160	Short	176	23	2.0	38	0.24	9	1,000	160-R-85/6.5
0071226	PureSun 160W 2.3% R	160	Short	176	23	2.3	38	0.27	8	1,000	160-R-93/7.5
0071223	PureSun 160W 2.6% R	160	Short	176	23	2.6	38	0.27	6	1,000	160-R-103/8.2
0071283	PureSun 160W 3.3% R	160	Short	176	23	3.3	33	0.31	4	1,000	160-R-120/10.4
0071284	PureSun 160W 3.6% R	160	Short	176	23	3.6	38	0.34	3	1,000	160-R-132/11.0
0071307	PureSun 160W 3.6% R LONGMOUNT	160	Long	176	28	3.6	46	0.46	3	1,000	160-R-148/11.3
T12 180W EXTRA LONG lamps											
0071245	PureSun 180W 3.3% R 1.9m	180-200	Short	190	23	3.3	41	0.32	4	1,000	180-R-125/10.4
0071237	PureSun 180W/250 2.6% R 2m	180-200	Short	200	23	2.6	42	0.27	6	1,000	180-R-103/8.2
0071285	PureSun 180W 3.6% R 2m	160-200	Short	200	23	3.6	41	0.35	3	1,000	180-R-137/11.0
0071258	PureSun 180/250W 2.3% R LONGMOUNT 2m	180-250	Long	200	28	2.3	50	0.35	5.5	1,000	180-R-110/7.8
0071318	PureSun 180/250W 3.0% R LONGMOUNT 2m	180-250	Long	200	32	3.0	53	0.41	4	1,000	180-R-125/10.0
0071319	PureSun 180/250W 3.6% R LONGMOUNT 2m	180-250	Long	200	32	3.6	53	0.47	3	1,000	180-R-148/11.3





PureSun is designed to tan gently, within the limits set by EU regulations governing all types of tanning equipment. Based on scientific research, these limit photo-biological irradiance values to 0.3 W/m², which is equivalent to the summer sun at midday in the Mediterranean. In other words: the safe, maximum level is what we have evolved to enjoy, naturally.



PureSun's long-lasting UV stability guarantees constant session times even after hundreds of hours. And PureSun operates at the precise spectrum of wavelengths required for maximum tanning effect, but with reduced irradiance. So, it offers exactly the right balance for reliable, even and gentle tanning, time and again. Advanced design and manufacturing quality ensures that PureSun consistently outshines the competition for amazing results.

PureSun – Gentle

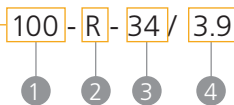
Code	Description	Watt (W)	Mount Design	Length (cm)	Typical radiation strength* (mW/cm ²)	UVB (%)	UVA (W)	Sun/Ery Factor (Fse)	Tanning Time ST3** (min)	Average Rated Life (Hrs)	UV-code
T5 lamps											
0073012	PureSun 15W 1.0%	15	-	28.8	16	1.0	2.8	0.03	21	600	15-O-7/3.8
0073009	PureSun 25W 1.0%	25	-	52	16	1.0	5.5	0.03	20	600	25-O-7/3.8
T12 100W lamps											
0071180	PureSun 100W 0.7%	100	Short	176	17	0.8	27	0.04	24	800	100-O-15/2.6
0071181	PureSun 100W 1.3%	100	Short	176	17	1.3	27	0.06	20	800	100-O-17/3.0
0071182	PureSun 100W 2.0%	100	Short	176	17	2.0	27	0.10	12	800	100-O-17/3.9
0071201	PureSun 100W 1.0% R	100	Short	176	20	1.0	30	0.10	19	800	100-R-35/4.1
0071301	PureSun 100W 1.3% R	100	Short	176	18	1.3	26	0.10	18	800	100-R-32/4.2
T12 160W-R											
0071267	PureSun 160W 0.5% R	160	Short	176	23	0.5	36	0.06	23	1,000	160-R-27/2.3
0071320	PureSun 160W 0.6% R PEAK	160	Short	176	25	0.6	38	0.8	22	1,000	160-R-27/2.3
0071217	PureSun 160W 0.7% R	160	Short	176	21	0.7	33	0.08	22	1,000	160-R-31/2.1
0071281	PureSun 160W 0.8% R PEAK	160	Short	176	25	0.8	38	0.09	17	1,000	160-R-34/3.1
0071214	PureSun 160W 1.0% R	160	Short	176	21	1.0	33	0.10	18	1,000	160-R-38/2.9
0071234	PureSun 160W 1.0% R PEAK	160	Short	176	25	1.0	38	0.13	14	1,000	160-R-45/3.8
0071275	PureSun 160W 0.7% R PEAK LONGMOUNT	160	Long	176	28	0.7	46	0.12	17	1,000	160-R-36/3.0
T12 180W-r EXTRA LONG lamps											
0071302	PureSun 180/200W 0.7% R 1.9m	180-200	Short	190	23	0.7	41	0.08	22	1,000	180-R-30/2.0
0071299	PureSun 180/200W 0.7% R 2m	180-200	Short	200	23	0.7	41	0.08	22	1,000	180-R-31/2.0
0071274	PureSun 180/250W R 0.5% PEAK LONGMOUNT 2m	180-250	Long	200	28	0.4	51	0.8	23	1,000	180-R-27/2.0

100W 1.0% R

100-R-34/3.9

Sunlamp DANGER. Ultraviolet radiation. Follow instructions. Use ONLY in fixture equipped with a timer.

Made in Germany
www.havells-sylvania.com



1. Wattage code

Nominal wattage of the recommended ballast which is used for the measurement. It can be different than the ballast in the application.

2. Reflector code

- O for non-reflector lamps
- B for lamps with broad reflector angle $\alpha > 230^\circ$
- N for lamps with narrow reflector angle $\alpha < 200^\circ$
- R for lamps with regular reflector $200^\circ \leq \alpha \leq 230^\circ$

3. X code

E_{er} [mW/m²] Total erythema irradiance over range 250nm-400nm

4. Y code

$E_{NMSC<320nm} / E_{NMSC>320nm}$ ratio of the NMSC effective.



PureSun HID

Code	Description	Watt (W)	Base	Quartz Type	Length* (mm)	Max Diameter (mm)	Average Rated Life** (Hrs)
0034250	PureSun 250W SE	250	GY9.5	FDA	70.5	14	600
0034300	PureSun 300/500W S	300-500	R7s	OZF	104	14	800
0034201	PureSun 300/500W SL	300-500	R7s long	OZF	117.9	14	600
0034303	PureSun 300/500W SE	300-500	GY9.5	OZF	103	14	800
0034228	PureSun 300/500W SEC	300-500	GK9.5	OZF	103	14	600
0034210	PureSun 400/600W S	400-600	R7s	OZF	104	17	600
0034212	PureSun 400/600W SE	400-600	GY9.5	OZF	107	17	600
0034261	PureSun 400/600W SEC	400-600	GK9.5	OZF	107	17	600
0034227	PureSun 400/600 SE-G12	400-600	G12	OZF	107	17	600
0034226	PureSun 650/800W CL	650-800	K8s	FDA	129	19	600
0034223	PureSun 1000W SE	1000	GY9.5	OZF	110	26	600
0034220	PureSun 1000W C 230V	1000	K10s	OZF	139	26	600

S = R7s
 SL = R7s Long
 SE = GY9.5
 SEC = GK9.5
 SE-G12 = G12
 SER = SE for Reflector
 C = Cable
 CL = Cable Long

* For Cable types : base-to-base
 For R7s types : base-to-contact
 For Fu14s types : pin-to-pin
 For SE types : length without pins

** 70% UVA maintenance



PureSun Starter

Code	Description	Watt (W)	Voltage (V)	Electronic Circuit	Lifetime Nr of ignitions	Packaging unit
0024479	PureSun 100-180W	100-180	220-240	Single	20000	25

Visit www.puresun-tanning.com for more product information.

Please note: SYLVANIA tanning tubes and lamps should only be used with appropriate consideration of the type of equipment in use as well as the person's specific skin type. You can find details on this below.

High-altitude sun – CAUTION – Ultraviolet (UV) and infrared radiation. Please observe instructions for use. UV and infrared radiation from studio tubes carries with it a number of health risks and can cause, among other things, cancer, premature skin aging, burns, injuries to the eyes, cataracts, a weakening of the immune system, allergic reactions and injuries to the vascular system. Pregnant women and persons taking prescription or over-the-counter pharmaceuticals should consult their physician's prior to tanning in a studio. The simultaneous ingestion of such medications as sedatives, antibiotics, diuretics or lower blood pressure medications, anti-neo-plastics or contraceptives can lead to the development of sunburn more quickly because such pharmaceuticals increase the skin's sensitivity to light. The same applies to cosmetics. UV radiation can accelerate the aging process of your skin and increase the risk of skin cancer, for instance squamous cell carcinoma or basal cell carcinoma. Your skin cancer risk is greater the more often you are exposed to UV radiation. Those who do not tan under direct sunlight will usually not tan in a tanning studio either and, in addition, such persons will also expose themselves to a greater danger of experiencing the detrimental effects of tanning lamps. If you do not tan in direct sunlight, then you should avoid tanning lamps. UV exposure in childhood is suspected of favouring the formation of melanoma in adulthood. Therefore, children should not use tanning studios without check-ups by a physician.

NEVER TAN WITHOUT USING SUITABLE PROTECTION FOR YOUR EYES (UV PROTECTIVE EYEWEAR)! WITHOUT EFFECTIVE EYE PROTECTION, YOU RUN THE RISK OF SERIOUS BURNS TO THE EYE OR A LONGER TERM IMPAIRMENT OF VISION!

Use tanning lamps ONLY with a timer and in conformity with instructions from the manufacturers of both the equipment and the lamps, also in proper consideration of your skin type. Before installing the lamps or switching out the tubes, take all appropriate safety precautions and observe the instructions of the manufacturers of the tanning equipment and the light sources used.

Exclusion of liability: Feilo Sylvania will not be liable for injuries resulting from the improper use of its products or from not adhering to legal and regional regulations as to the use of such products by its customers or final users. All the data presented here is the result of measurements made under standardised laboratory conditions. Details on the certification of UVA radiation and the guaranteed service life of the equipment are based on a 5-hour value and refer to operational conditions defined by Feilo Sylvania. Feilo Sylvania reserves the right to change this technical data without any prior announcement.

This information is not legally binding consultation and cannot replace such consultation. We recommend that you remain up-to-date in an appropriate manner as to all developments, particularly those concerning the conversion of European Guidelines into national law, e.g. by consulting a solicitor or a qualified professional association.



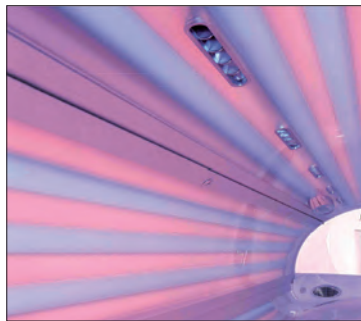
Collagen is a biological, autologous building block and important part of human skin which provides elasticity and strength to the skin. Fibroblasts (Collagen producing cells) continuously produce new collagen fibres. By the increased generation of Collagen fine lines are reduced, the skin is visibly tightened and the visual appearance of the skin is improved.



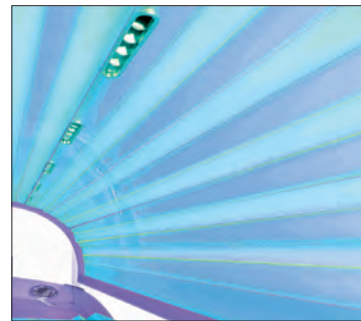
The advanced design of the high pressure lamps features a novel and unique spectrum. The high energy output enables the skin to support the maximum rate of collagen regeneration.

High pressure

Code	Description	Watt (W)	Base	Max length (mm)	Average Rated Life (Hrs)
0024281	PC HighActive 400W SE (Single ended)	400	GY9.5	103.0	600
0024280	PC HighActive 400W DE (Double ended)	400	R7s	106.0	600



Collagen mode with PURE COLLAGEN™



Sun tanning mode with standard UV tubes





Features

- Full-spectrum high colour rendering T8 and T5 fluorescent lamp
- Colour rendering: Ra98/Class 1A
- Colour temperature of 6500K (daylight characteristic)



Applications

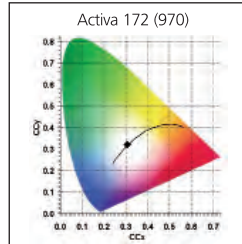
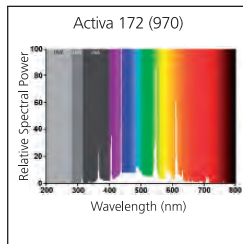
- For all applications where natural colour rendering is required
- Supports the treatment of Seasonal Affective Disorder (Winter Depression) SAD

Activa-Seasonal Affective Disorder (SAD) T5

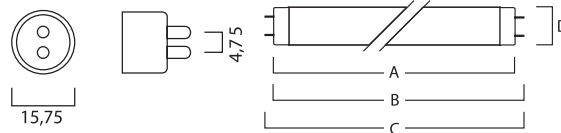
Code	Description	Watt (W)	Voltage (V)	Current (mA)	CRI Group	Base	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty
0002241	FHE 28W/T5/Activa	28	166	170	1A	G5	6500	2400	25
0002243	FHO 54W/T5/Activa	54	120	455	1A	G5	6500	4300	25

Activa-Seasonal Affective Disorder (SAD) T8

Code	Description	Watt (W)	Voltage (V)	Current (mA)	CRI Group	Base	Colour Temperature (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



G5



	A	B	B	C	D
T5	max	min	max	max	nom
28/54W	1149	1153.7	1156.1	1163.2	16

G13



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

Dimensions (mm)



Features

- Matches flying insects eye sensitivity
- High UV-A output (at 368 nm)
- Long life time and low UV-A depreciation over the entire season

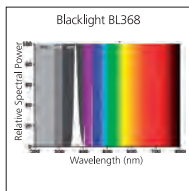
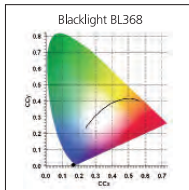


Applications

- Food and beverage industry
- Insect trapping

Blacklight BL368 Linear & Circline

Code	Description	Watt (W)	Voltage (V)	Current (A)	Light Colour	Base	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 T9 BL368	22	62	0.400	BL368	G10q	12
0000100	FC32 T9 BL 368 8"	32	57	0.480	BL368	G10q	12

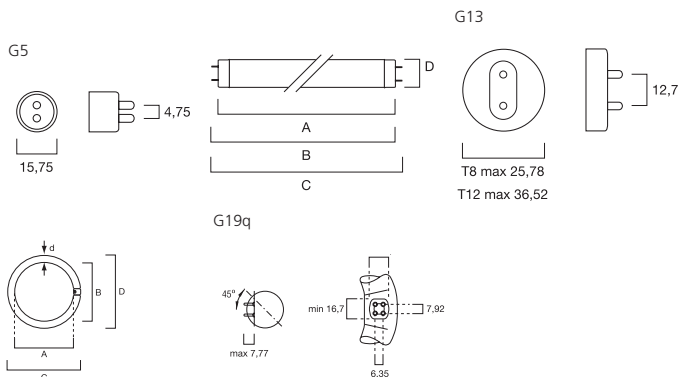


UV-A= 315 - 400nm
UV-B= 280 - 315nm



	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

	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



Dimensions (mm)



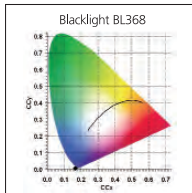
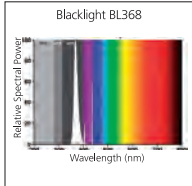
Features

- Matches flying insects eye sensitivity
- High UV-A output (at 368 nm)
- Long life time and low UV-A depreciation over the entire season



Applications

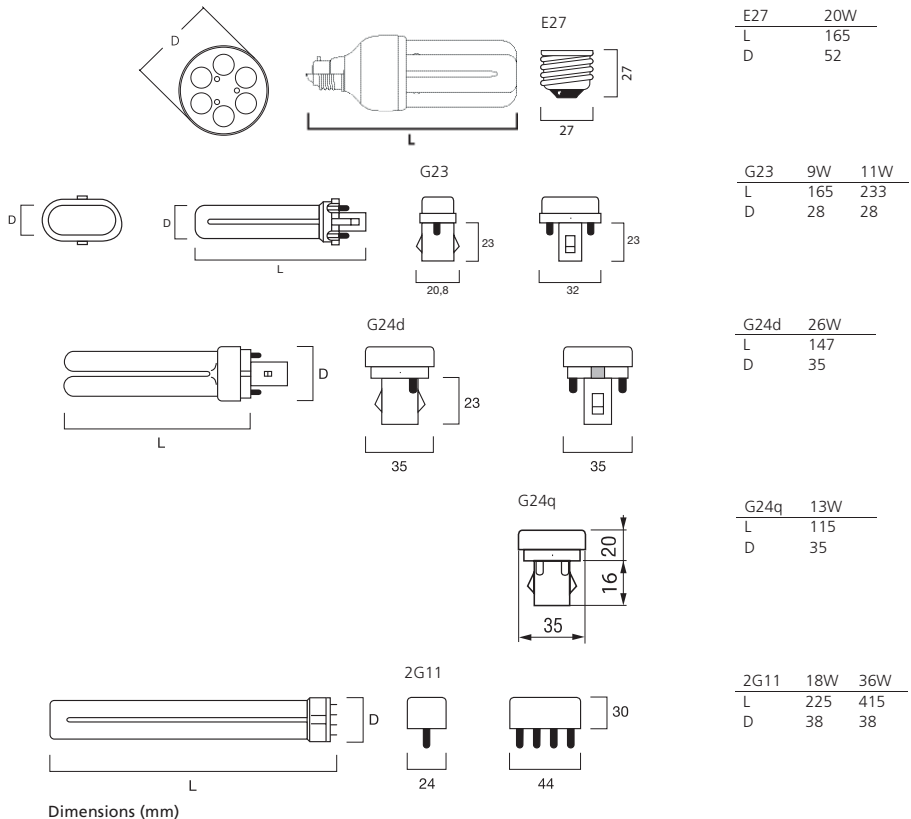
- Food and beverage industry
- Insect trapping



Blacklight BL368 Compact

Code	Description	Watt (W)	Voltage (V)	Current (A)	Lamp Colour	Base	Packing Qty
0025706	MiniLynx 20W BL368	20	230	0.160	BL368	E27	20
0025716	MiniLynx 18W E14 BL368	18	-	-	BL368	E14	-
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



Dimensions (mm)



Features

- Matches flying insects eye sensitivity
- High UV-A output (at 368 nm)
- Long life time and low UV-A depreciation over the entire season
- Protective coating according to the IEC61459 requirements with the 4m drop test

Applications

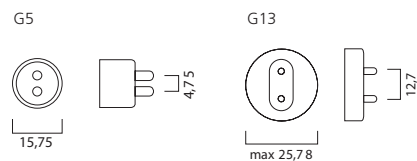
- Food and beverage industry
- Insect trapping
- Pharmaceutical industry



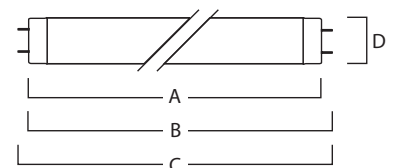
Blacklight BL368 Toughcoat™

Code	Description	Watt (W)	Voltage (V)	Current (A)	Lamp Colour	Base	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)





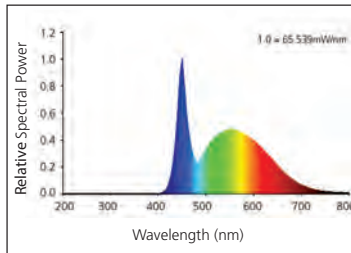
- Suitable for the most aquarium sizes thanks to the adjustable metal holders
- Available in 3 difference lengths (28cm / 46cm / 76cm)
- Daylight colour (6500K) gives outstanding appearance for your fish and perfect illumination for plants to grow
- Dimmable with touch sensor
- Daylight simulation with USB stick (optional)



AquaStar LED

Code	Description	Watt (W)	Colour Temperature (K)	Luminous Flux (lm)	Packing Qty
0000800	Aquastar MINI LED	14	6500	1000	1
0000810	Aquastar MIDI LED	22	6500	2000	1
0000820	Aquastar MAXI LED	30	6500	2800	1
0000801	Sylvania USB Control Stick	-	-	-	1

Aquastar MINI LED





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

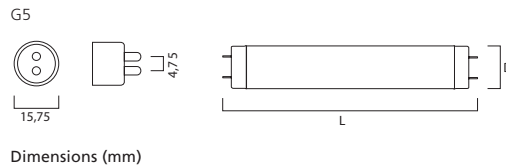
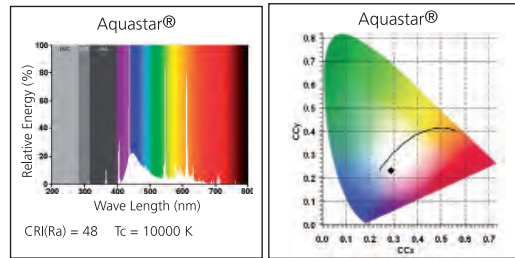
Aquastar T5

Code	Description	Watt (W)	Colour Temperature (K)	Light Output (lm)	Base	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 1047mm	54	10000	2500	G5	T5	10
0002830	F54W T5 $\ell 8$ Aquastar Retail 1200mm	54	10000	2900	G5	T5	10

Packaging 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





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

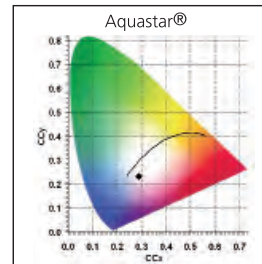
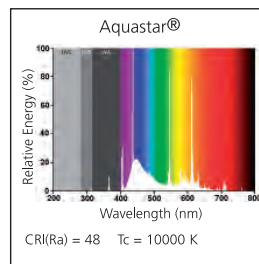


Applications

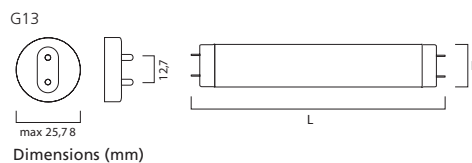
- For all biological organisms in fresh and marine water aquariums

Aquastar T8

Code	Description	Watt (W)	Colour Temperature (K)	Light Output (lm)	Base	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
0002223	F58W/Aquastar	58	10000	3550	G13	T8	25
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





Features

- Ideal lamp for aquatic starters
- Proven Sylvania tri-phosphor technology
- Light colour: 5000 Kelvin
- Excellent light output
- Available in the most common T5 and T8 wattages
- Operates on standard ballasts

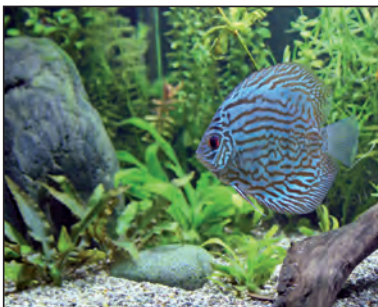
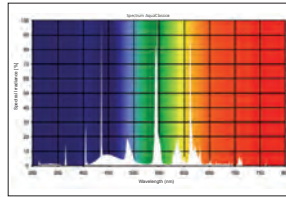


Applications

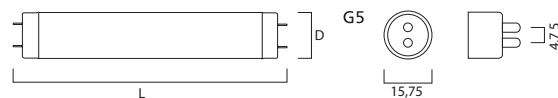
- Recommended as an entry level lamp for fresh water aquaria

AquaClassic T5

Code	Description	Watt (W)	Colour Temperature (K)	Base	Diameter	Packing Qty
0002309	FHO24W T5 AquaClassic	24	5000	G5	T5	10
0002310	FHO39W T5 AquaClassic	39	5000	G5	T5	10
0002311	FHO54W T5 AquaClassic	54	5000	G5	T5	10
0002306	FHO24W T5 AquaClassic	24	5000	G5	T5	25
0002307	FHO39W T5 AquaClassic	39	5000	G5	T5	25
0002308	FHO54W T5 AquaClassic	54	5000	G5	T5	25



T5 standard	8W	24W	39W	54W	80W
L	288	549	849	1149	1449
D	16	16	16	16	16
T5 Ø8	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

- 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
- In combination with Grolux® it produces a well balanced and optimal aquarium life

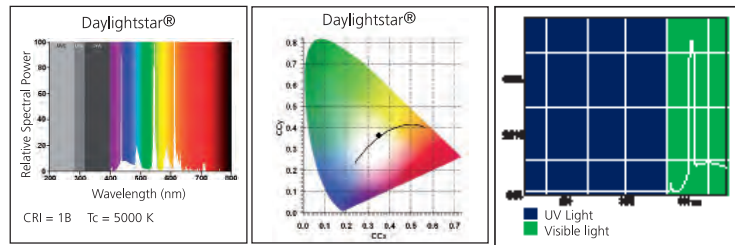


Applications

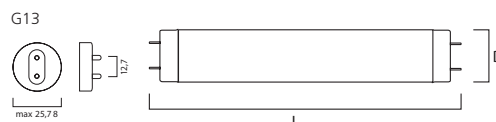
- Fresh water aquariums

Daylightstar T8

Code	Description	Watt (W)	Colour	Base	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



Dimensions (mm)



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 I8: 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

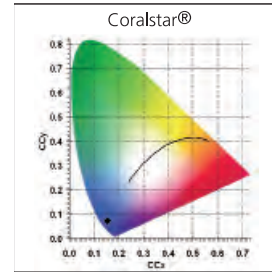
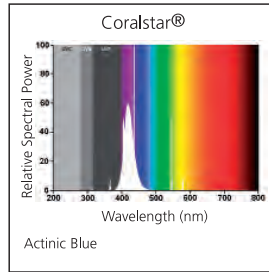


Applications

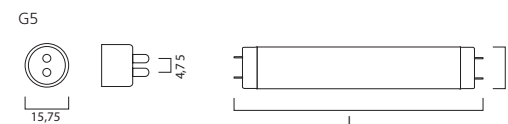
- Lighting to promote growth of coral and invertebrates in marine water aquariums

Coralstar T5

Code	Description	Watt (W)	Colour	Base	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
0002755	FHO39W/Coralstar Retail	39	Actinic	G5	T5	10
0002756	FHO54W/Coralstar Retail	54	Actinic	G5	T5	10



T5 Standard	24W	39W	54W	80W
L	549	849	1149	1449
D	16	16	16	16
T5 I8	28W	45W	54W	
L	590	895	1200	
D	16	16	16	



Dimensions (mm)



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

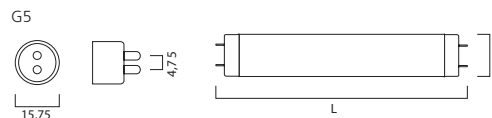
- Lighting of marine water aquaria

Marinestar T5 15000K

Code	Description	Watt (W)	Colour Temperature (K)	Base	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
0002725	F24W/Marinestar Retail	24	15000	G5	T5	10



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



Dimensions (mm)



Features

- High light output and good efficiency
- High colour rendering
- Very high colour stability over the whole lamp life
- High colour temperature (10000K)
- 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

Aqua Arc

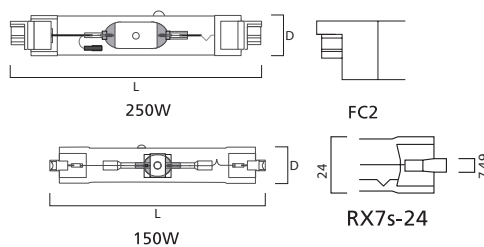
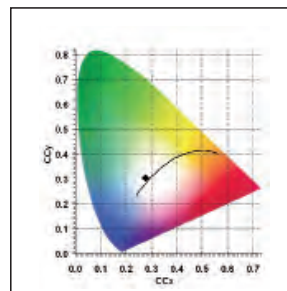
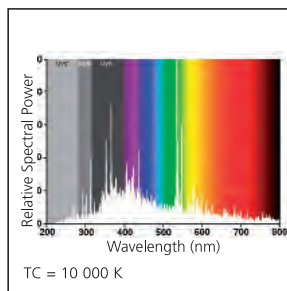
Code	Description	Watt (W)	Voltage (V)	Current (A)	Base	Bulb Finish	Colour Temperature (K)	Chromaticity Coordinate x	Chromaticity Coordinate y	Light Output (lm)	Packing Qty
0021137	HSI-TD 150W AquaArc	150	100	1.80	RX7s	Clear	10000	0.277	0.311	9000	10
0021050	HSI-TD 250W AquaArc	250	100	3.00	Fc2	Clear	10000	0.275	0.323	14000	10

Coral Arc

Code	Description	Watt (W)	Voltage (V)	Current (A)	Base	Bulb Finish	Colour	Chromaticity Coordinate x	Chromaticity Coordinate y	Light Output (lm)	Packing Qty
0021040	HSI-TD 150W CoralArc	150	100	1.80	Rx7s	Clear	Blue	0.261	0.257	5400	10
0021029	HSI-TD 250W CoralArc	250	100	3.00	Fc2	Clear	Blue	0.257	0.243	8000	10



	150W	250W
L	135	162
D	25	28



Dimensions (mm)



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

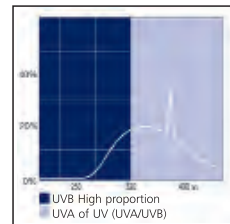
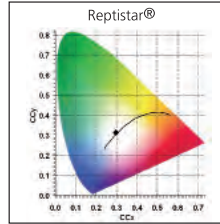
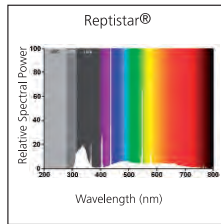


Applications

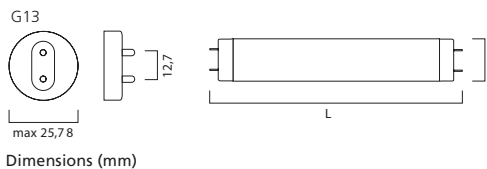
- For the artificial lighting of reptiles in terrariums

Reptistar T8

Code	Description	Watt (W)	Colour	Base	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
0000741	F15W/Reptistar UV-B 10% Retail	15	Reptistar	G13	300	T8	10
0000742	F18W/Reptistar UV-B 10% Retail	18	Reptistar	G13	450	T8	10
0000743	F30W/Reptistar UV-B 10% Retail	30	Reptistar	G13	700	T8	10
0000744	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

- Converts electric current into infrared radiation



Applications

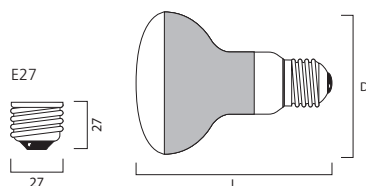
- Provides the necessary infrared radiation for reptiles in terrariums and for other pets like hamsters, mice etc

Infrared Reflector

Code	Description	Watt (W)	Voltage (V)	Type	Base	Average Rated Life (Hrs)	Packing Qty
0033005	IR R63 50W	50	230	Infrared	E27	5,000	10
0033006	IR R63 75W	75	230	Infrared	E27	5,000	10
0033007	IR R80 100W	100	230	Infrared	E27	5,000	10



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



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

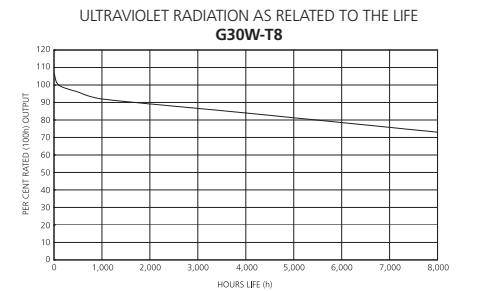
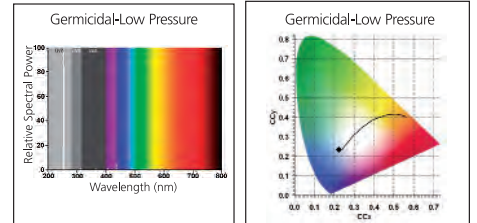


Applications

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

Directions for use

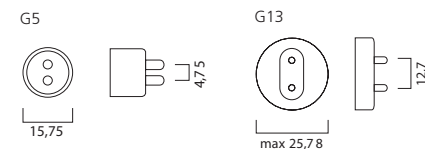
- The radiation from these lamps is very harmful to eyes and skin. Always protect your eyes and skin against radiation
- Germicidal lamps must only be used in appropriate equipment and applications
- When using UV-C emitting lamps, the official reference guides and the current industrial safety guideline 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



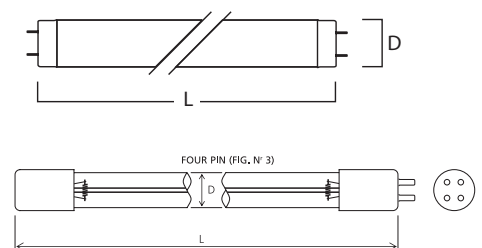
Germicidal Linear

Code	Description	Watt (W)	Voltage (V)	Current (A)	UV Output at 25°	Base	Average Rated Life (Hrs)	Packing Qty
0002328	G4W T5	4	30	0.162	0.8	G5	6,000	50
0002216	G6W T5	6	42	0.160	1.7	G5	6,000	50
0000501	G8W T5	8	56	0.145	2.5	G5	6,000	24
0025016	G11W T5 HO 4-pin	11	37	0.330	2.2	Four pin	8,000	45
0000517	G15W T8	15	55	0.310	4.9	G13	8,000	24
9000526	G25W T8	25	46	0.600	6.9	G13	8,000	24
0000503	G30W T8	30	96	0.365	13.4	G13	8,000	24
0000504	G36W T8	36	103	0.430	15.5	G13	8,000	20
0002208	G55W T8	55	83	0.770	18.0	G13	8,000	96
0002217	G58W T8	58	110	0.670	20.0	G13	5,000	12

	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



Dimensions (mm)





Features

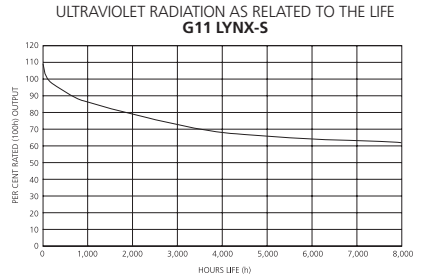
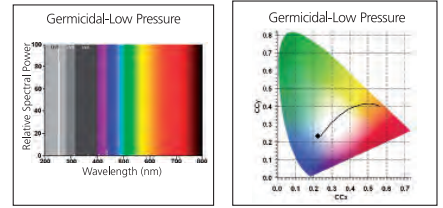
- These lamps have all the benefits of linear germicidal lamps, but have also a very compact design. This allows for compact fixture design. As they are single ended, replacement is very easy
- The HO (High Output) lamps are most efficient in air purification installations, as they are wind chill corrected
- 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



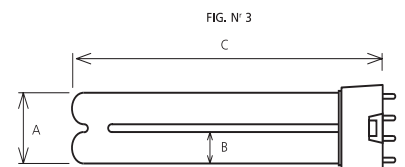
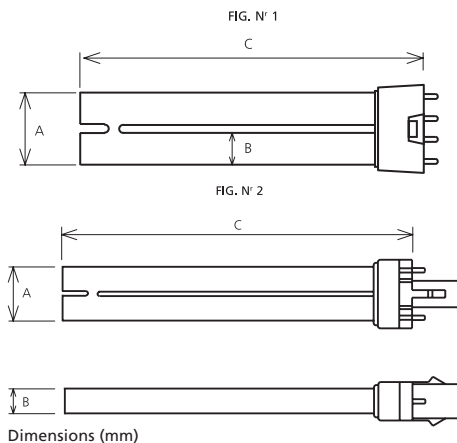
Germicidal Compact

Code	Description	Watt (W)	Voltage (V)	Current (A)	UV Output at 25°	Base	Average Rated Life (Hrs)	Packing Qty
0025046	G5W Lynx-S	5	34	0.180	1.1	G23	8,000	50
0025040	G7W Lynx-S	7	47	0.175	1.5	G23	8,000	50
0025012	G9W Lynx-SE 4-pin	9	59	0.170	2.4	2G7	8,000	50
0025047	G13W Lynx-S	13	60	0.290	3.4	GX23	8,000	50
0025041	G24W Lynx-L	24	87	0.350	7.0	2G11	8,000	-
0025048	G36W Lynx-L	36	105	0.440	12.0	2G11	8,000	25
0025045	G55W Lynx-L	55	110	0.500	18.0	2G11	8,000	25
0025013	G35W Lynx-L HO	35	40	0.850	11.0	2G11	9,000	25
0025014	G60W Lynx-L HO	60	118	0.670	18.0	2G11	9,000	25
0025015	G95W Lynx-L HO	95	100	0.950	33.0	2G11	9,000	25

* When used with electronic ballast 25KHz HF

Dimensions (mm)

Code	Fig No	A	B
0025046	2	75	28
0025040	2	115	28
0025012	3	145	28
0025047	2	164	28
0025041	1	317	40
0025048	1	410	40
0025045	1	530	40
0025013	1	217	40
0025014	1	410	40
0025015	1	530	40





Features

- Germicidal VHO – lamps consist of a double ended quartz discharge tube filled with mercury.
- Power concentration is 120 Watts per cm of arc length (low pressure tubes are < 1W per cm).
- Extremely high UV-C concentration levels are possible.
- Lamps have a self cleaning halogen feature which results in improved UV-C maintenance.
- Forced air ventilation is required to remove the ozone produced with VHO lamps



Applications

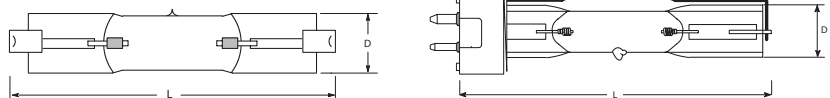
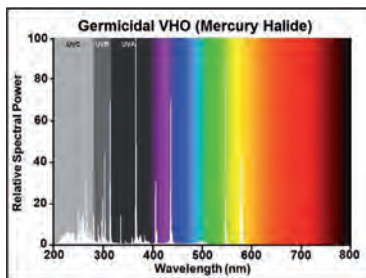
- Used in a wide range of photochemical processes
- Label printing
- Disinfection of municipal waste water
- Curing of lacquers, paints and inks
- In combination with black glass filters for fluorescence excitation
- Artificial material aging
- Exposure of diazo film material and print masters

Directions for use

- The radiation from these lamps is very harmful to eyes and skin. Always protect your eyes and skin against radiation
- Max. permissible bulb temperature is 950°C
- Max. permissible pinch temperature is 350°C
- Can be used with a standard mercury ballast and ignitor

Germicidal High Pressure VHO

Code	Description	Watt (W)	Voltage (V)	Current (A)	UV-A $\mu\text{W}/\text{cm}^2$ at 1m	UV-B $\mu\text{W}/\text{cm}^2$ at 1m	UV-C $\mu\text{W}/\text{cm}^2$ at 1m	Base	Life at > 50% UV-output (Hrs)	Packing Qty
0024206	G4/120 SE VHO	400	125	3.5	300	250	400	GY9.5	2,000	10
0024207	G4/120 DE VHO	400	125	3.5	300	250	400	R7s	2,000	10



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)	Voltage (V)	Base	Burning Position	Finish	Colour Temperature (K)	Average Rated Life (Hrs)	Packing Qty
0033016	IR 1000W Ruby SK15 235V	1000	235	SK15	Universal	Ruby Slim	2450	5,000	10
0033017	IR 1200W Ruby SK15 235V	1200	235	SK15	Universal	Ruby Slim	2450	5,000	10
0033018	IR 1500W Ruby SK15 235V	1500	235	SK15	Horizontal	Ruby Jacketed	2350	5,000	10
0033019	IR 2000W Ruby SK15 235V	2000	235	SK15	Horizontal	Ruby Jacketed	2350	5,000	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



Fig 1

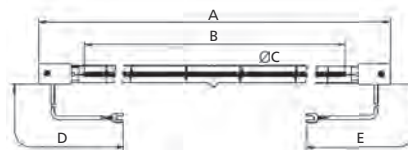


Fig 2

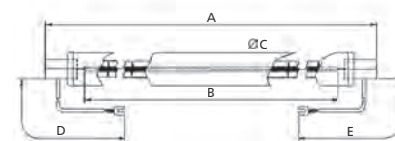
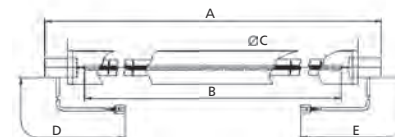


Fig 3



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

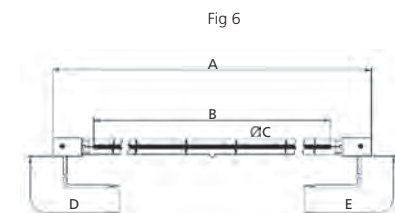
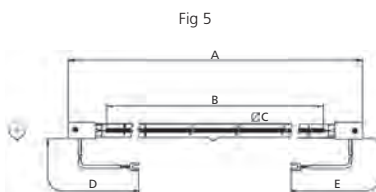
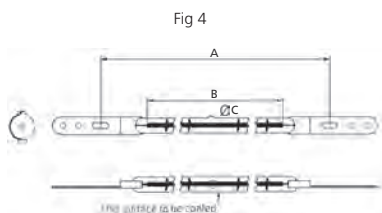
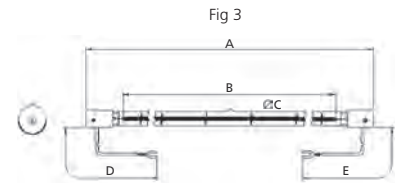
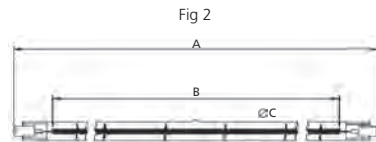
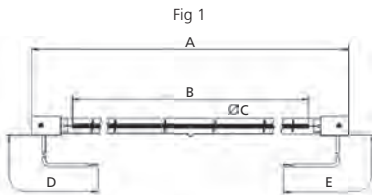
- The glare from the visible light component restricts these to industrial applications, eg Drying of paints in tunnels and automotive body shops
- Heating of plastics for PET bottle blowing
- High speed drying in paper production mills
- Drying of lacquers and printing inks
- Baking and curing of powder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

Clear Quartz Halogen lamps

Code	Description	Watt (W)	Voltage (V)	Base	Burning Position	Finish	Colour Temperature (K)	Average Rated Life (Hrs)	Packing Qty
0033020	IR 300W CL SK15 230V	300	230	SK15	Horizontal	Clear	2550	2,000	50
0033021	IR 300W CL R7s 230V	300	230	R7s	Horizontal	Clear	2550	5,000	50
0033022	IR 500W CL R SK15 240V	500	240	SK15	Horizontal	Reflector	2450	5,000	10
0033023	IR 1000W CL R X 240V	1000	240	Metal strap X	Universal	Reflector	2450	5,000	10
0033024	IR 1000W CL SK15 235V	1000	235	SK15	Universal	Clear	2400	5,000	10
0033025	IR 1000W CL R SK15 235V	1000	235	SK15	Universal	Reflector	2400	5,000	10
0033026	IR 1200W CL R SK15 235V	1200	235	SK15	Universal	Reflector	2600	5,000	10
0033027	IR 2000W CL R SK15 235V	2000	235	SK15	Horizontal	Reflector	2700	5,000	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 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

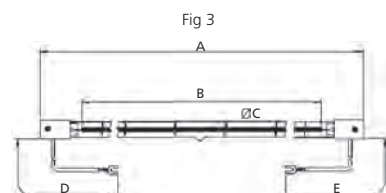
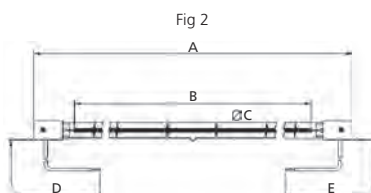
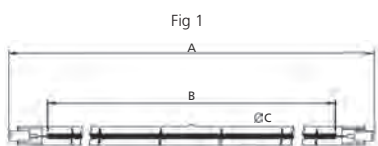
- Personal care in infra-red cabins
- Optimised spectrum to penetrate deeper into the skin for more efficient heat dissipation
- Creates a softer and more pleasant heating sensation than regular lamps

Infra Red Cabin Halogen lamps

Code	Description	Watt (W)	Voltage (V)	Base	Burning Position	Finish	Colour Temperature (K)	Average Rated Life (Hrs)	Packing Qty
0033028	IR 350W CL R7s 235V	350	235	R7s	Horizontal	Clear	1750	5,000	80
0033040	IR 350W TL SK15 235V 550mm	350	235	SK15	Horizontal	Translucent	1750	5,000	20
0033029	IR 500W TL SK15 235V 700mm	500	235	SK15	Horizontal	Translucent	1750	5,000	20
0033030	IR 500W TL SK15 235V 550mm	500	235	SK15	Horizontal	Translucent	1750	5,000	20
0033031	IR 750W CL SK15 235V	750	235	SK15	Horizontal	Clear	2000	5,000	20
0033032	IR 750W TL SK15 235V	750	235	SK15	Horizontal	Translucent	1750	5,000	20
0033033	IR 750W CL SK15 235V	750	235	SK15	Horizontal	Clear	1750	5,000	20
0033034	IR 1300W CL SK15 235V	1300	235	SK15	Horizontal	Clear	2000	5,000	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

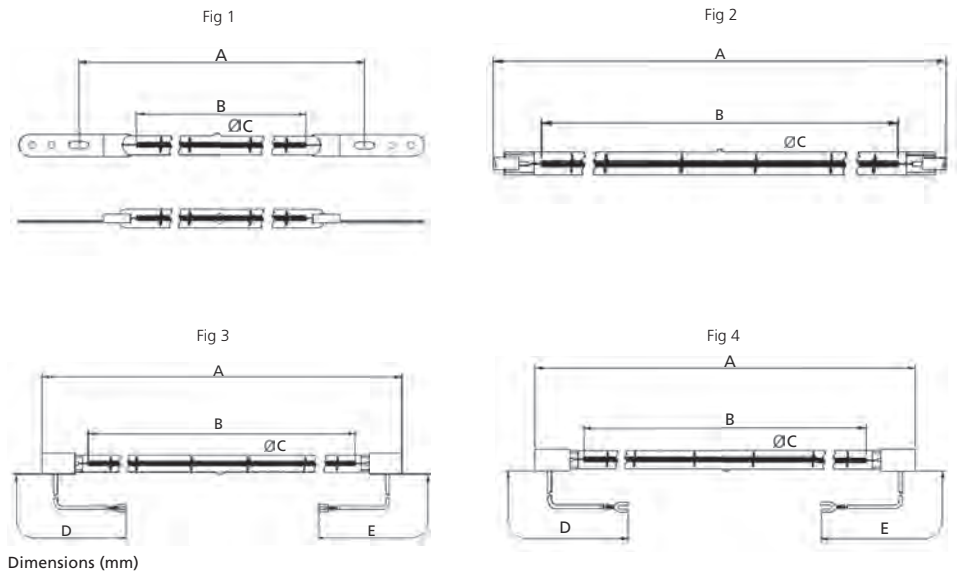
- Gradually replacing ruby quartz types where reduced glare is desirable
- Creates comfort zones in the outdoor cold, ideal for patios, restaurants and cafés
- Efficient spaceheating in large buildings e.g. churches, halls, warehouses, garages, stadiums, exhibition halls etc
- Glare free de-icing of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

Gold Filter Halogen lamps

Code	Description	Watt (W)	Voltage (V)	Base	Burning Position	Finish	Average Rated Life (Hrs)	Packing Qty
0033035	IR 1000W Gold X 240V	1000	240	Metal strap X	Universal	Gold plated	5,000	10
0033036	IR 1300W Gold R7S 240V	1300	240	R7s	Universal	Gold plated	1,000	100
0033037	IR 1500W Gold SK15 240V	1500	240	SK15	Horizontal	Gold plated	5,000	10
0033038	IR 1500W Gold SK15 120V	1500	120	SK15	Horizontal	Gold plated	5,000	10
0033039	IR 2000W Gold SK15 240V	2000	240	SK15	Horizontal	Gold plated	5,000	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





Features

- Integral reflector facilitates 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 base allows use in almost any suitable lampholder
- Instant heat after switch-on
- All R125-lamps have a mechanical fitted base in order to avoid loose 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, vulcanising, distilling, softening, melting, pasteurising, polymerising, evaporating, gelatinising etc

Infra Red Reflector Incandescent lamps

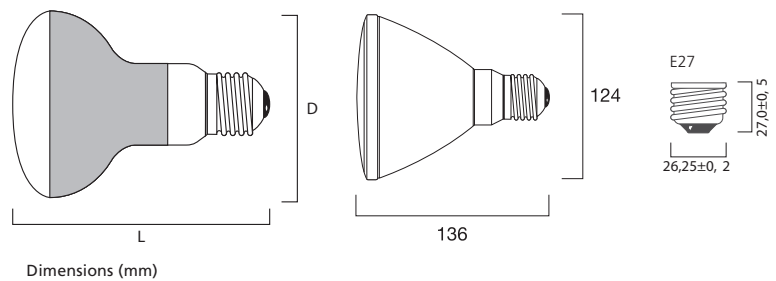
Code	Description	Watt (W)	Voltage (V)	Base	Finish	Average Rated Life (Hrs)	Packing Qty
0033004	IR R95 100W	100	230	E27	Ruby	5,000	20
0033009	IR R125 150W	150	240	E27	Ruby	5,000	12
0033010	IR R125 175W	175	240	E27	Ruby	5,000	12
0033011	IR R125 250W	250	240	E27	Ruby	5,000	12
0033012	IR R125 300W	300	240	E27	Ruby	5,000	12
0033013	IR R125 375W	375	240	E27	Ruby	5,000	12
0033014	IR PAR38 150W	150	240	E27	Ruby	5,000	12
0033015	IR PAR38 175W	175	240	E27	Ruby	5,000	12



R95 Lamp Dimensions (mm) Fig.1		R125 Lamp Dimensions (mm) Fig.1		PAR38 Lamp Dimensions (mm) Fig.2	
L	130	L	185	L	135
D	95	D	126	D	122

Fig 1

Fig 2





L2513 G6.35



L2502 GZ9.5

Features

- Current controlled (6.0, 6.6A & 8.33A) lamps
- Long reliable through life performance
- Complete interchangeability for existing capsule types
- Constant colour temperature
- Dimming possible
- Infra red radiation output allowing operation in toughest winter conditions

Applications

- Approach lights
- Runway edge lights
- Threshold lights
- Runway lights
- Taxiway lights
- Visual approach slope indicator systems

Directions For Use

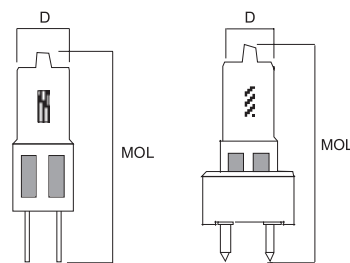
- Bulb should never be touched with bare fingers

Airfield Capsule Lamps

Code	Description	Watt (W)	Current (A)	Base	Light Output (lm)	Filament Type	Average Rated Life (Hrs)	Packing Qty
0022213	L2510 36W 6.0A J1/59	36	6	G6.35	610	C-8	1,200	50
0022212	L2513 100W 6.6A J1/58	100	6.6	G6.35	2300	FC-6	1,200	50
0022211	L2514 200W 6.6A J1/39	200	6.6	G6.35	4700	FC-6	1,200	50

Dimensions (mm)

Code	MOL	LCL	DIA
0022213	45.0	33	11.0
0022214	45.0	33	11.0
0022212	47.0	33	13.5
0021491	47.0	33	13.5
0022211	47.0	33	13.5
0021757	44.0	25,4	11.4
0021686	44.0	25,4	11.4
0024529	57.0	39,1	13.5
0021683	57.0	39,1	13.5



Dimensions (mm)



Features

- Current controlled (6.0, 6.6A) lamps
- Temperature resistant hard coated reflector
- Optimum alignment in the reflector
- High luminaire efficiency
- Constant colour temperature (3000K) over life
- Long life (1500hrs)
- Infra red radiation output
- Cable connections reduce the risk of pinch seal overheating and molybdenum foil oxidation



Applications

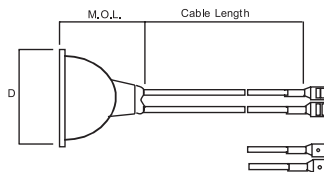
- Runway lights & Taxiway lights
- Approach lights & Threshold lights
- Runway edge lights
- Visual approach slope indicator systems
- Taxiway guidance signs

Directions for use

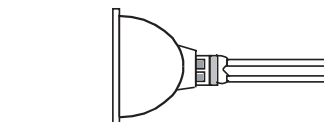
- Bulb should never be touched with bare fingers

Airfield Reflector Lamps MR16

Code	Description	Watt (W)	Current (A)	Connector	Connector Type	Average Rated Life (Hrs)	Peak Intensity (cd)	Beam Angle 50% (°)	Packing Qty
0021484	L2372 36W 6A MR16	36	6	2	Male	1,500	24000	5	10
0021496	L2358 48W 6.6A MR16	48	6.6	1	Female	1,500	22000	5	10
0021489	L2371 48W 6.6A MR16	48	6.6	1	Female	1,500	11000	13	10
0021488	L2375 60W 6.6A MR16	60	6.6	1	Female	1,500	11000	15	10
0021498	L2368 105W 6.6A MR16	105	6.6	1	Female	1,000	33000	10	10



N°1 = Female
N°2 = Male



Dimensions (mm)



Features

- Lamps with very specific colour point (CCx: 0,319, CCy: 0,369 after 100 h) and colour temperature: 6000K
- Colour point responds to the International Airfield Standard
- Very long reliable through life performance
- High colour rendering: Ra 85



Applications

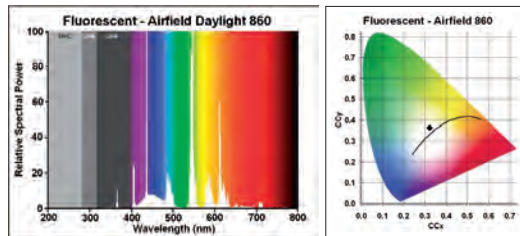
- Used in guidance signs to mark direction, destination and boundary

Directions For Use

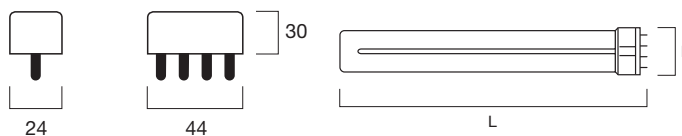
- Lamp ambient temperature should not be lower than -30°C

Airfield Lynx-L

Code	Description	Watt (W)	Current (A)	Operating Voltage	M.O.L.	D (mm)	Base	Colour Temperature (K)	CCX	CCy	Luminous Flux (lm)	Average Rated Life (Hrs)	Packing Qty
0025682	Lynx-L 24W 860 Airfield	24	345	50	320	40	2G11	6000	0,319	0,369	1700	15,000	10



2G11	24W
L	320
D	38



Dimensions (mm)



Features

- Mushroom shaped (50mm and 60mm) envelope
- Robust construction: the filament is held by extra supports to resist vibration
- Average rated life: 8,000 hours
- Available in E27 and B22 base



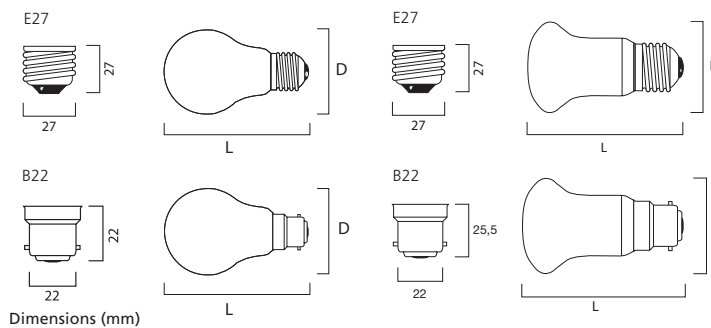
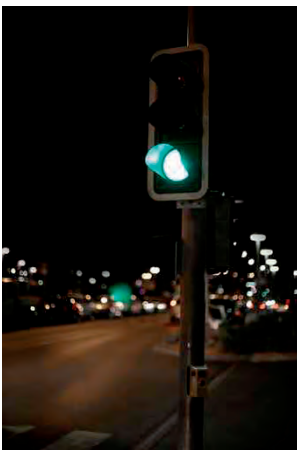
Applications

- Traffic lights and signs
- Private parkings
- Tramway traffic lights
- Industrial sites



Traffic Signal Incandescent Mushroom

Code	Description	Finish	Watt (W)	Voltage (V)	Base	Shape	Average Rated Life (Hrs)	Rated Lumens	Packing Qty
0009718	55W 230V E27	Clear	55	130	E27	Mushroom	8,000	465	100
0009719	55W 230V B22	Clear	55	230	B22	Mushroom	8,000	465	100
0009753	70W 230V E27	Clear	70	230	E27	Mushroom	8,000	645	100
0009752	70W 130V E27	Clear	70	130	E27	Mushroom	8,000	755	100
0009749	70W 230V B22	Clear	70	230	B22	Mushroom	8,000	645	100
0009754	100W 230V E27	Clear	100	230	E27	GLS	8,000	1030	100

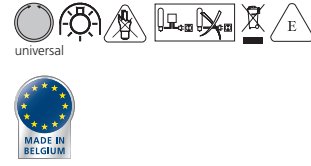


Code	L	D
0009718	86	50
0009719	86	50
0009753	86	50
0009752	86	50
0009749	86	50
0009754	95	60



Features

- 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
- Optimised for the highest Phytolumens or PAR output
- GroLux light spectrum maximises red output essential for plant growth
- Industry leading lumen maintenance of 95% at the end of life



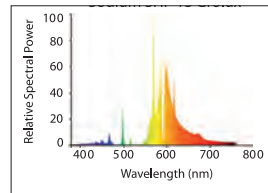
Applications

- Complete or additional artificial lighting of plants
- Recommended for use in greenhouses and indoor gardens

SHP-TS GroLux

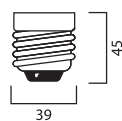
Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	Par (μ mol)	Photosynthesis (PhytoLm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
SHP-TS GroLux Tubular											
0020819	SHP-TS 250W GroLux	265	115	Clear	E40	2050	425	755000	26,000	12	A+
0020807	SHP-TS 400W GroLux	425	120	Clear	E40	2050	713	128000	26,000	12	A++
0020808	SHP-TS 600W GroLux	615	125	Clear	E40	2050	1100	200000	26,000	12	A++
0020809	SHP-TS 600W/400V GroLux	620	200	Clear	E40	1950	1180	215000	26,000	12	A++
SHP-TS GroLux Tubular Electronic											
0020826	SHP-TS 600W GroLux	605	210	Clear	E40	1950	1170	21000	26,000	12	A++

Sodium SHP-TS GroLux



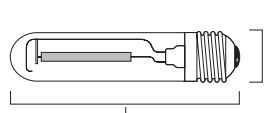
SHP-TS GroLux	250W	400W	600W
L	260	292	292
D	48	48	48

E40



Dimensions (mm)

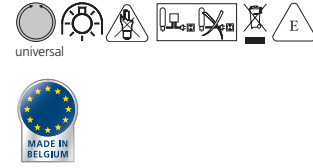
SHP-TS GROLUX





Features

- 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
- Optimised for the highest Phytolumens or PAR output
- GroLux light spectrum maximises red output essential for plant growth
- Industry leading lumen maintenance of 95% at the end of life



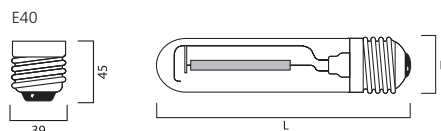
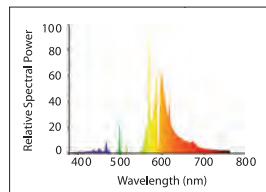
Applications

- Complete or additional artificial lighting of plants
- Recommended for use in greenhouses and indoor gardens

SHP-T GroXpress

Code	Description	Watt (W)	Voltage (V)	Lamp Finish	Base	Colour Temperature (K)	Par (μ mol)	Photosynthesis (PhytoLm)	Average Rated Life (Hrs)	Packing Qty	Energy Class
0020816	SHP-T 250W GroXpress	265	100	Clear	E40	2000	370	66000	24,000	12	A+
0020817	SHP-T 400W GroXpress	425	100	Clear	E40	2000	640	115000	24,000	12	A++
0020818	SHP-T 600W GroXpress	615	115	Clear	E40	2000	950	165000	24,000	12	A++

SHP-T GroXpress



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
- 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

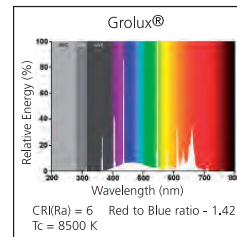
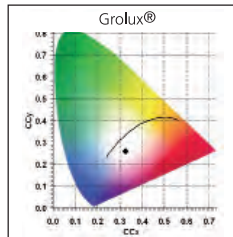


Applications

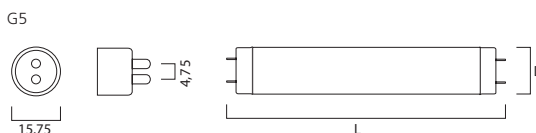
- Complete or additional artificial lighting for plants
- Recommended also for use in greenhouses, indoor gardens, flowers and aquarium

Grolux T5

Code	Description	Watt (W)	Colour	Base	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 $\ell 8$ Grolux Retail	24	Grolux	G5	T5	10
0002823	F28W T5 $\ell 8$ Grolux Retail	28	Grolux	G5	T5	10
0002825	F35W T5 $\ell 8$ Grolux Retail	35	Grolux	G5	T5	10
0002827	F45W T5 $\ell 8$ Grolux Retail	45	Grolux	G5	T5	10
0002829	F54W T5 $\ell 8$ Grolux Retail 1047mm	54	Grolux	G5	T5	10
0002831	F54W T5 $\ell 8$ Grolux Retail 1200mm	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	1200
D	16	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

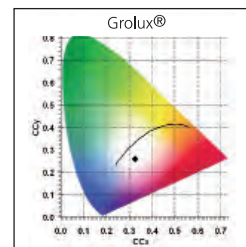
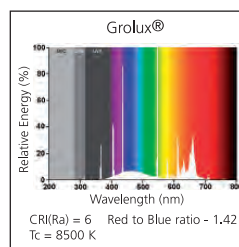


Applications

- Complete or additional artificial lighting for plants
- Recommended for use in greenhouses, indoor gardens, flower shows, conservatories and aquarium

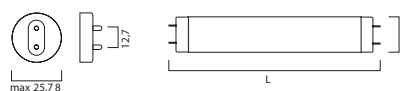
Grolux T8

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

B22



Dimensions (mm)



Glossary of terms

Ballast lumen factor BLF (%)

Refers to the ratio of light output from the lamp on emergency operation to the nominal light output.

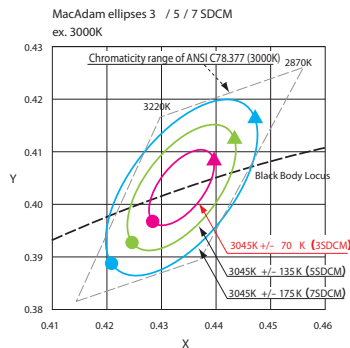
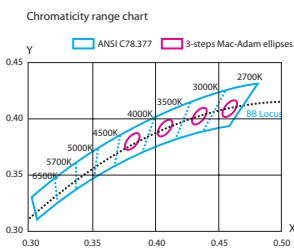
Beam Angle

Indicates how broadly the light is emitted from a reflector lamp. It can be thought of as an imaginary cone whose apex intersects the lamp face, and the breadth of the cone extends outwards to the point where luminous intensity has diminished to 50% of the centre beam value.

Binning

The term binning refers to the variations which occur within a single production batch of LED's such as chromaticity, lumen output and forward voltage. It is important that a specific bin has been identified and selected to ensure a uniform and constantly even lighting installation is achieved. If all the LED's were selected from one production batch and used in the same luminaire or installation, there would be a mix of colour temperatures and brightness levels. For the lighting manufacturer / designer binning is an essential part of LED specification.

MacAdam ellipses methodology was created in 1943 for mathematically constructing ellipses around target points, something which became very useful for the lamp industry. ANSI C78.377 is now the standard for chromaticity specified by the American National Standards Institute. ANSI recommends that lamp manufacturers stay within a "4-step" ellipse. This means that, given a certain target point on the CIE diagram, manufacturers are given a fairly wide range of perceptible differences.



Candela (cd)

The unit of measurement for luminous intensity, which refers to the quantity of light emitted in a particular direction. The symbol is cd.

Colour Correlated Temperature (CCT)

An incandescent light bulb is very close to a perfect black-body radiator, so its colour temperature is basically the temperature of the filament. However many light sources, such as fluorescent tubes or high intensity discharge lamps, emit light by processes other than thermal radiation and therefore it is not possible to apply the black-body spectrum. For these light sources it is possible to assign what is known as a colour correlated temperature (CCT). The CCT is the colour temperature of a black-body (Planckian) radiator which most closely matches the colour of the light emitted from the lamp.



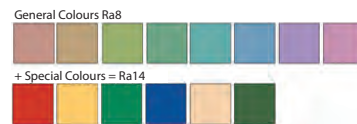
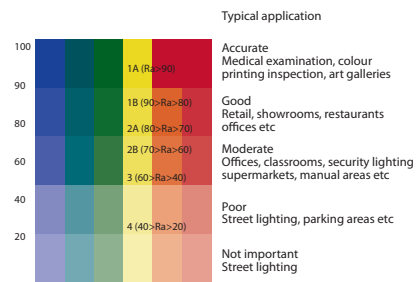
Warm White 3000K

Neutral White 4000K

Colour Rendering Index (CRI)

The colour rendering of a light source is an indicator of its ability to realistically reproduce the colour of an object. The chart illustrates our ability to accurately determine colour depending on the colour rendering properties of the light source. The higher the colour rendering index (on a scale of 0 to 100) of the source the better our ability to perceive differences in colour, which is a considerable aid to highlighting fashion products and effective display of coloured artworks.

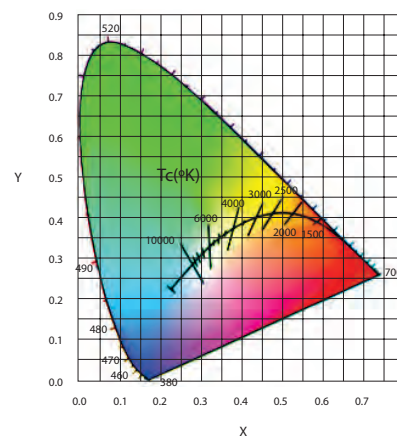
The CIE colour rendering index (CRI) is a method to determine how well a light source's illumination of eight standardised colour patches compares to the illumination provided by a reference source. At Ra (8) the perceived colour shift of eight reference colours is measured as a percentage and averaged to give one number. However it is currently understood that due to the spectral power distribution of LED's that instead of using the standard Ra8 it is important to include 7 additional colours which include red, yellow, blue & green and use Ra14 to ensure better results.



Colour Temperature

Colour temperature is a characteristic of visible light that plays a significant role in lighting applications. The colour temperature of a light source is the temperature of a perfect black-body radiator that radiates light of a similar appearance to that of the light source. The colour temperature is measured in units of absolute temperature; Kelvin (K).

Colour temperature works paradoxically to our cultural associations with colour, red as hot and blue as cold. On the black-body curve, blue occurs at higher temperatures than red. A good example is a candle which has a warm red orange appearance but in fact has a low Kelvin temperature, 1850K. Therefore higher colour temperatures (5000K more) are called cool colours (blueish white); lower colour temperatures (2700 – 3000K) are called warm colours (yellowish white through red).



The Planckian locus shows the chromaticities of black-body light sources of various colour temperatures and lines of constant correlated colour temperature shown within the CIE chromaticity diagram

Dimmability

The Sylvania lamps range includes dimmable LEDs lamps. Most conventional dimmers have been designed for incandescent lamps and are therefore rated for higher minimum loads (W) than LED lamps consume. There may therefore be some restrictions in terms of functionality of dimmers with individual LEDs – but when more than one lamp is used to increase the total loading, dimming becomes easier.

Downward Flux Fraction (DFF)

The factor of the total LOR, which is downward, taking the combined ULOR and DLOR as 100%. Using Cassini as an example, the DLOR is 37% and the ULOR is 15% so the combined is 52%. If this is taken as 100% LOR, 72% is downward (37% divided by 53%).

Drivers

Electronic devices that transform the high mains voltage into a constant current lower voltage for operating the LEDs. A miniature electronic driver is contained inside the base of each Sylvania LED lamp.

Glare

Glare is the discomfort caused by high luminances in the field of vision.

Heat Sink

A device used to conduct heat away from the LED sources and dissipate it to the surrounding air. The more efficiently an LED is cooled the greater its efficacy, light output and lifetime. Materials having excellent thermal properties and optimised cooling fin geometries are engineered into Feilo-Sylvania lamps and luminaires to deliver the pinnacle of performance.

Infrared (IR) Radiation

Comprises electromagnetic waves in the spectral range between visible light and microwaves, which produce a heating effect when absorbed by materials. All lamps and luminaires produce infrared radiation, but the quantity emitted by LEDs is far lower than other technologies and this makes them ideal for reducing air conditioning load, as well as for the illumination of heat-sensitive goods.

Illuminance

This definition determines the amount of light that covers a surface. If Φ is the luminous flux and S is the area of the given surface then the illuminance E is determined by $E = \Phi/S$. The unit of illuminance in SI system is lx, and in foot-pound system it is foot-candle. One lx is the illuminance of 1 m² surface area uniformly lighted by 1 lm of luminous flux.

Junction Temperature (Tj)

The temperature of the Junction of the LED die inside the LED lamp. Measuring the LED die temperature by direct mechanical means is difficult and may lead to erroneous results. It is recommended that the Tj is calculated with manufacturer's data through measurement of the temperature at the solder point (Tsp).

LED (Light Emitting Diode)

An electronic semiconductor component which emits light when an electrical current flows through it. The colour of light emitted depends on the chemical doping of the semiconductor material.

Lens

An optical component having two refractive surfaces, at least one of which is either convex or concave. In LED lamps the function of a lens is to focus or disperse the light rays to achieve the desired beam angle or light distribution pattern.

Lifetime

LED lamps can have extremely long lives, however their light output diminishes as they age. They can carry on working until they are emitting less than 10% of their initial light output, but with so little light left they would be practically useless. Sylvania defines the lifetime of its LED lamps the same way as for other lamps: i.e. the burning hours until the light output has decreased to 70% of the initial value, or when 50% of a group of lamps will have failed – whichever is the soonest. The International Electrotechnical Commission (IEC) is currently preparing an international standard based on similar threshold values.

Light

Light Electromagnetic radiation with a wavelength between 380-780nm. Ultraviolet light has a wavelength of less than 380nm whilst infrared light's is greater than 720nm.

Lighting level

The incidence of light flux on a surface per unit of area, measured in lux. There is a difference between the vertical and horizontal lighting level.

Light output ratio (LOR)

The ratio of the luminaire light output to lamp light output. The efficiency of the luminaire.

Lumen (lm)

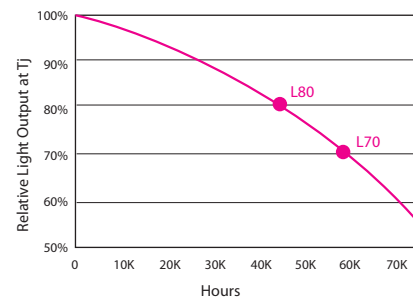
Unit of luminous flux used to describe a quantity of light emitted by a source or received by a surface.

Lumen Maintenance

Rated Lumen Maintenance Life (Lxx): The elapsed operating time over which the LED light source will the percentage, xx, of its initial light output.

- L80 = Time to 80% lumen maintenance, in hours
- L70 = Time to 70% lumen maintenance, in hours

For LED lamps and luminaires, lumen maintenance is often shown as curves of relative lumen output over time for the LED under various operating conditions, such as drive current and junction temperature.



Luminance

The measure of brightness with which the eye perceives an illuminated surface from a certain direction. The luminous intensity per unit of visible surface of a light source (direct) or an illuminated surface (reflection). Luminance is indicated in candelas per square metre (cd/m²).

Luminous efficacy (lm/w)

Indicates how efficiently a light source converts electrical energy to light.

Luminous flux (lm)

The total light output of a light source measured in lumens.

Luminous intensity (cd)

The power of a source or illuminated surface to emit light in a particular direction, measured in candelas.

Lux (lux)

The unit of illuminance, equal to one lumen per square metre (lm/m²).

Glossary of terms

Performance cone

Shows whether the luminaire emits a narrow or wide beam of light and indicates the lighting level measured at the centre of the beam. The beam diameter and angle indicate where half the illuminance is measured in relation to the centre of the beam. It gives only a rough guide of the size of beams narrower than 40°.

Recycling

Feilo Sylvania lamps and luminaires are extremely durable and do not contain any hazardous substances beyond the allowed threshold values as mentioned in the applicable EU legislation. Recycling of products shall be made in full compliance with the requirements of the Directive 2012/19/EU on waste electrical and electronic equipment (WEEE).

Reflector

An optical component having a mirror surface, which captures light rays from the source and bounces them back at a particular angle. Although more commonly used in incandescent and halogen lamps, some Sylvania LED lamps use reflectors to control their light instead of a lens.

Shielding angle (°)

The horizontally measured angle from which the lamp or reflection from it in the reflector is no longer visible. It is an important measure of glare and, therefore, light comfort.

Switching Frequency

LED lamps cannot be switched on and off indefinitely, but are rated to tolerate an impressive 60,000 switching cycles or more.

TCO (Total Cost of Ownership)

TCO includes all the costs over the entire life of a lamp or for a particular operating time. It covers procurement costs, electricity consumption costs, relamping costs and may even incorporate a reduction in the necessary air conditioning load. LEDs are presently more expensive to purchase than lamps based on other technologies, but their minimal energy consumption results in rapid payback when replacing incandescent and halogen lamps.

Transformer

A device for reducing the high mains voltage down to a lower voltage. A distinction is made between conventional (magnetic) transformers and electronic transformers. Sylvania low voltage LEDs will function on all magnetic transformers, and compatibility details with electronic transformers are available in the technical data sheets.

Uniformity ratio of illuminance

This indicates the degree of evenness of the light on the working surface and is shown as a ratio of the minimum to the mean lighting level on a surface. The lower the number the more disturbing the light.

Ultra Violet (UV) radiation

Comprises electromagnetic waves in the spectral range between visible light and X-rays, which are invisible to the human eye but essential for all life (delivered via natural sunlight). Small amounts of UV are emitted by many light sources (e.g. Halogen and Discharge) and over time will cause fading of coloured objects being illuminated. Feilo Sylvania lamps and luminaires do not emit any UV radiation.

Useful lumens (lm)

For use with directional lamps. This is the amount of luminous flux within a 90° cone in the forward facing direction of the lamp. This will tell you the amount of 'useful' light emitted from a directional light.

Utilisation factor

The ratio of the light flux which the reference surface receives to the totalled luminous fluxes of the installation lamps. This is influenced by the shape of the room and selected luminaire and is expressed in the form of UF tables.

Volt

The derived SI unit of electrical pressure (symbol V). Low voltage LED lamps (12V) operate with transformers. High-voltage LED lamps can be operated directly on the mains supply (220-240V).

Watt

Watt is the SI unit of power and was used for incandescent lamps as an indication of their light output. Since modern energy saving lamps and LED lamps consume far less power to achieve the same brightness, however, the wattage is no longer as meaningful. The lumen value is now used instead.

Wattage Comparison According to ErP

The EU directive for nondirectional light (ErP DIM I) requires a certain luminous flux from LED lamps to make a comparison with incandescent lamps.


Abbreviations	Meaning
1	1 pack
10	10 pack
830	3000K lamp
840	4000K lamp
1-10V	1-10V analogue dimmable ballast
3 hour emrg.	3 hours emergency
3 PK	3 Pack
ALU	Aluminium
ASYM	Asymmetric
BL	Black
BRI	Bright
CHR	Chrome
CON	Connected
DALI	Digital Adjustable Lighting Interface
DB	Dimmable ballast
DB10	1-10V analogue dimmable ballast
DBDA	Dimmable DALI
DBLASYM	Double asymmetric
DSI	Digital Serial Interface
DS	Double Sided light output
E1	Emergency 1 hour
E3	Emergency 3 hours
EB	Electronic ballast
EXTGEAR	External gear tray
GRY	Grey
GRY DIFF	Grey diffuser
HF	High Frequency ballast or, Electronic ballast
HQPS	High Quality PolyStyrene
HV	High Voltage
LIN	Linear
LLB	Low Loss Ballast or, Magnetic ballast
LLB NC	Non Compensated
LLB PC	Parrallel Compensated
Magn. El. Starter	Magnetic Electric starter
MECH CON	Mechanical connection
MEDI	Medium
MGR	Magnetic gear
MW	Microwave sensor
NARR	Narrow
No PFC	No Per Factor Correction
NW	Neutral white
PC	Polycarbonate
PEND	Pendant
PSM	Prismatic
PULLC	Pull cord
PUSHB	Push button
RAP.D	Rapid double
RAP.S	Rapid single
REC	Recessed
REFL	Reflector
RGB	Red Green Blue
RU	Rust
SAT	Satin
SHAVS	Shaver socket
SI	Silver
SS	Single Sided light output
STE	Brushed steel
STRPL	Strip light
SURF	Surface mounted
SUSP	Suspension kit
SYM	Symmetric
TLT	Tilt
UV	Ultra Violet
WHT	White
WW	Warm white


Guide to lamp and luminaires symbols


Electrical protection


EN 60.598


Class 1 – fittings comply with class 1 (I) earthed electrical requirements i.e. functional insulation in all parts and earth termination.


 Class 2 – fittings comply with class 2 (II) double insulated electrical requirements i.e. complete insulation in all parts without earth termination. In the event of an electrical fault, no dangerous voltage can reach touchable metal parts.

 Class 3 – fittings comply with class 3 (III) triple insulated electrical requirements i.e. designed to connect to an external low voltage supply which is the same as the internal operating voltage requirement. In the event of an electrical fault, no dangerous voltage can develop. Inflammability of surface protection EN 60.598


 Suitable for mounting in or on furniture made of semi-incombustible or normally combustible materials such as wood.

 Fittings made for mounting in or on furniture made of materials of unknown properties.

 Passes the 650° glow wire test in accordance with IEC 695-2-1.

 Horizontal rotation


 Vertical tilt


 Safety isolating transformer

 Electronic transformer

 Electronic ballast/gear

 HID lamp requires an external ignitor


 Trailing edge dimmable (capacitive)

 Leading edge dimmable (inductive)

 Ingress protection


 Impact protection


 Minimum distance in metres permitted from lighted object

 European Norms Electrical Certification


 Suitable for Office applications


 Suitable for Healthcare applications


 Suitable for Education applications


 Suitable for Retail and Display applications


 Suitable for Exterior applications

 Allowed lamp operating positions


 Universal burning position


 Horizontal burning position

 Vertical burning position


 Incandescent Candle and Ball:
Base up not allowed


 Lamp can be operated in luminaires without a protective shield


 Lamp should be operated only in a luminaire provided with a protective shield

 Lamp emits a high level of UV radiation

 **UV STOP** Reduced UV emissions

 **COOL BEAM** Cool beam reflector

 Not dimmable

 Protection against water contact

 Internal ignitor


 External ignitor


 Ballast is required


 Lamp should not be operated when the outer bulb is broken


 Be aware of high temperatures when replacing lamp


 Do not hold the lamp glass when installing or removing

 Switch off power supply before replacing lamp

 **DO NOT TOUCH LAMP WITH BARE FINGERS**
Do not touch lamp with bare fingers when replacing lamp


 Energy saving

 Treat lamp as small chemical waste


 Open packaging and read instructions

 Read instructions before use

 **CE** Lamp complies with legal standards

 **D'E** Lamp complies with legal standards

 Green Point

 Bowl Mirror lamps

 Luminaire can be looped

 **RoHS** compliant

WEEE WEE compliant

 **WARRANTY** Warranty logo, please refer to intro pages for full details

 **RAL 9007** RAL reference

Standard Terms And Conditions Of Sale

1) GENERAL

- A. All orders are accepted and executed on the understanding that the Purchaser is bound by the following General Conditions of Sale. Where there is any inconsistency between these General Conditions of Sale and any conditions which the Purchaser seeks to impose these General Conditions of sale shall prevail.
- B. Where there is a distributorship agreement between the Company and the Purchaser existing at the date of the contract and there is a conflict between the provisions of that agreement and these General Conditions of sales, the provisions of such distributorship agreement shall prevail.
- C. No waiver, alteration or modification of any of the provisions of the contract shall be binding on the Company unless in writing signed by one of its officers.

2) PRICES

- A. Unless otherwise agreed in writing all orders shall be executed subject to prices and any relevant discounts ruling at the date of despatch. The orders shall be accepted subject to a revision of prices in the event of increases in the cost of materials, wages or other circumstances arising before despatch. Any price list of the Company whether published or not shall not affect the right of the Company to charge for goods in accordance with this clause.
- B. Unit prices do not include Value Added Tax and costs caused by or in connection with the transformation of the WEEE-Directive on electrical and electronical waste into national law.
- C. Value Added Tax at the appropriate rate shall be payable by the Purchaser.

3) PAYMENT

- A. The terms of payment shall be as stated on our invoices and the Purchaser shall strictly adhere to such terms.
- B. The Company shall have the right to discontinue delivery and also at its discretion to terminate the contract in respect of any undelivered goods if the Purchaser defaults in payment, but in either event the Purchaser shall remain liable to pay for such goods as have already been delivered.
- C. The Company reserves the right to withhold the supply of goods which have been accepted on order in those instances where there is reason to believe that payment for the goods would not be forthcoming within these terms of trading if goods were supplied.
- D. Where a contract is to be or may be fulfilled in separate instalments, deliveries or parts, payment for each such instalment, delivery or part, shall be made as if the same constituted a separate Contract.
- E. The Company reserves the right to charge interest on overdue accounts at the rate of 10% per annum above National Westminster Bank plc basic rate

4) PACKING AND CARRIAGE

- A. Unless otherwise specified by the Company, orders of value less than £200 excluding VAT shall be subject to a minimum service charge. Orders of £200 and over shall be delivered carriage paid. Unless otherwise specified, the price includes delivery to the Purchaser within the mainland of GB. The company reserves the right to choose the method of transport and to charge for deliveries outside the mainland. Where special delivery arrangements are requested the difference in cost between standard and special delivery will be charged to the Purchaser.
- B. A charge for delivery may be made where the Company is requested to deliver to a third party on behalf of the Purchaser at their request.
- C. By prior arrangement with our Head Office, goods can be collected by Purchasers.
- D. A signature by an employee of the consignee on a carrier's delivery sheet or delivery note shall constitute proof of delivery.
- E. If by reason of instructions or lack of instructions from the Purchaser despatch in accordance with the contract is delayed for more than 14 days after the Purchaser has been notified that the goods are ready for despatch, the Purchaser shall be liable to take delivery or arrange for storage and for the purpose of Clause 3 (Payment) the goods shall thereupon be deemed to have

been delivered. If and for so long as its storage facilities permit (but without being obliged to) the Company may store the goods and the Purchaser shall be liable to pay a reasonable charge therefore.

- F. Packaging and all cost caused by or in connection with the transformation of the WEEE-Directive on old electrical and electronical waste into national law shall be charged separately.

5) SHORTFALL OR DAMAGE IN TRANSIT

- A. No claim in respect of damage in transit will be accepted unless the Company and its carriers are advised in writing within 72 hours of receipt of the goods, irrespective of the condition of packing, goods and packing should be held for inspection by the Company and its carriers. After inspection the Company will arrange for the goods to be collected.
- B. No claim in respect of loss in transit or short delivery will be accepted unless the Company and its carriers are advised in writing of such loss or short delivery at the time of delivery. The shortfall must be specified in writing on the delivery note. Marking in words "not examined" or "not counted" or any similar statement on the delivery note will not entitle the purchaser to claim loss in transit or short delivery at any time after delivery. If the purchaser does not note any shortfall on the delivery note the Company will be deemed to have delivered the correct quantity of goods to the Purchaser in accordance with the order.
- C. Any claim for damage or loss in transit or short delivery must be accompanied by the following details:
 - advice note number
 - carrier's name (if other than the Company)
 - conditions of packages
 - date consignment received
 - date carrier advised
 - extent of damage or shortfall
 - copy of delivery note
- D. In the event of non-delivery carriers and the Company must be advised within 5 days of invoice.
- E. The Company will not in any event be responsible for goods lost or damaged in transit or for short delivery unless the above conditions are strictly observed.

6) DELIVERY AND PASSING OF RISK

- A. Any stipulated time for delivery shall date from the receipt by the Company of the Purchaser's written order. For delivery within the United Kingdom, unless otherwise agreed, the Company shall deliver the goods to the purchaser and the goods shall be at the Purchaser's risk on delivery. For delivery outside the United Kingdom, our terms of sale are "ex. Works".
- B. Delay in delivery or, in the case of a contract for delivery by instalments, delay in the delivery of an instalment shall not give rise to any liability on the Company, whether or not any time or date is given in this respect, unless a guarantee of delivery has been given in writing by the Company expressly stating that the Company guarantees delivery within a specified time.

7) RETENTION OF TITLE

- A. The goods shall remain the sole and absolute property of the Company until such a time as the Purchaser shall have paid to the Company the agreed price together with the full price of any other goods the subject of any other contract with the Company.
- B. The Purchaser acknowledges that the Purchaser is in possession of the goods solely as bailee for the Company until such time as the full price thereof is paid to the Company together with the full price of any other goods the subject of any other contract with the Company.
- C. Until such a time as the Purchaser becomes the owner of the goods, the Purchaser will store them on its premises separately from the Purchaser's own goods or those of any other person and in a manner which makes them readily identifiable as the goods of the Company.
- D. The Purchaser's right to possession of the goods shall cease if it does anything or fails to do anything which would entitle a receiver to take possession of any assets or which would enable any person to present a petition for winding-up. The Company may for the purpose of recovery of the goods enter upon any premises where they are stored or where they are reasonably thought to be stored and may repossess the same.

Standard Terms And Conditions Of Sale

- E. Subject to the terms hereof the Purchaser is licensed by the Company to agree to sell the Company's goods, subject to the express condition that such an agreement to sell shall take place as agents and bailees for the Company whether the Purchaser sells on its own account or not and that the entire proceeds thereof are held in trust for the Company and are not mingled with other monies and shall be at all times identifiable as the Company's monies.
- F. If the Purchaser has not received the proceeds of any such sale, it will upon being called upon to do so by the Company within seven days thereof assign to the Company all rights against the person or persons to whom the Purchaser has supplied the goods.

8) DEFECTS AFTER DELIVERY

- A. The Company will make good by repair or, at the Company's option, by the supply of replacements, defects which, under proper use, appear in the goods after delivery within the product guarantee period stated in our current published catalogues for lamps and within a period of twelve calendar months for fixtures and which arise solely from faulty design (other than a design made, furnished or specified by the Purchaser for which we have disclaimed responsibility in writing) materials or workmanship provided the goods concerned have been stored and used in a proper manner and have been returned to our stores carriage paid and adequately packed and provided further that in respect of parts or components not of the Company's manufacture the Company will pass on to the Purchaser the benefit of any guarantee which the Company may have received from the supplier of such parts or components but will have no further or other liability in respect thereof whatsoever.
- B. Goods returned as defective but found on inspection to be in good order, will be returned to the Purchaser subject to a handling charge.
- C. Units out of guarantee or those used outside an approved manner will normally be scrapped unless the Company has had specific disposal instructions. Where a specific test report is required, this must be requested in writing prior to the goods being returned.

9) RETURN OF GOODS

- A. In no circumstances are goods supplied against a firm order to be returned without the purchaser having first applied for and obtained the written consent of the Company. A handling charge of up to 35% of the invoiced value, will be deducted from any credit allowed, unless the goods are returned pursuant to the provisions of Clause 5 or 8 hereof or because of any error on the part of the Company.

10) DESCRIPTION MATTER AND ILLUSTRATIONS

All descriptive and forwarding specifications, drawings and particulars of weight and dimensions issued by the Company are approximate only and are intended only to present a general idea of the goods which they refer and shall not form part of any contract. The right is reserved to change specifications without prior notification or public announcement.

11) PATENTS

In the event of any claim being made or action being brought against the Purchaser in respect of infringement of patents by the use or sale of goods supplied hereunder, the purchaser shall not settle or compromise such claim or action but shall notify the Company immediately and the Company shall be at liberty with Purchaser's assistance if required, but at the Company's expense, to conduct throughout the Company's own lawyers and experts, all negotiations for the settlement of the same or any litigation that may arise therefrom, subject to compliance with the above provisions and provided that no such goods, or any part thereof shall be used for any purpose other than that for which the Company supply them the Company will indemnify the Purchaser in respect of any such claim.

12) DELIVERIES AGAINST ORDER SCHEDULES

- A. Orders on non-standard lines (including specially branded units) will be delivered to within plus or minus 10% order quantity.
- B. On standard lines the Company requires 6-8 weeks notice of change in requirements, where a delivery date is brought forward or a quantity amended.
- C. On non-standard lines (including specially branded units) the Company requires 8-12 weeks notice of change in requirements, where a delivery date is brought forward or quantity amended.
- D. Scheduled quantities may be subject to a variation where necessary to bring them into line with the nearest boxed quantity.

13) EXPORT

No goods sold by the Company are to be re-sold or delivered outside Great Britain or Northern Ireland without first obtaining the Company's written consent.

14) EXCLUSIONS

Save as provided by these General Conditions and save for the Company's implied undertakings as to title etc. contained in S.12 of the Sale of Goods Act 1979 all conditions and warranties express or implied statutory or otherwise and, except as provided in S.2 of the Unfair Contract Terms Act 1977 (liability for death or personal injury resulting from negligence) all other obligations and liabilities whatsoever of the Company whether in contract or in tort or otherwise are excluded.

15) DIRECT, INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE

Except as provided in S.2 of the Unfair Contract Terms Act 1977 (liability for death or personal injury resulting from negligence) the Company accepts no responsibility in any circumstances for any direct, indirect or consequential loss or damage, however arising, which the Purchaser may sustain in connection with goods supplied under the contract whether such goods are of the Company's own manufacture or not.

16) FORCE MAJEURE

- A. If the performance of the contract shall be delayed by any circumstances or conditions beyond the control of the Company including (but without prejudice to the generality of the foregoing) war, industrial disputes, strikes, lock-outs, riots, malicious damage, fire, storm, Act of God, accidents, non-availability or shortage of materials or labour, any statute, rule, bye law, order or requisition made or issued by any Government or Government Department, local or other duly constituted, then the Company shall have the right to suspend further performance of the contract until such time as the cause of the delay shall no longer be present.
- B. If the performance of the contract by the Company shall be prevented by any such circumstances or conditions beyond the control of the Company, then the Company shall have the right to be discharged from further performance of and liability under the contract. If the Company exercises such right the buyer shall thereupon pay the contract price less a reasonable allowance for what has not been performed by the Company.

17) ARBITRATION

Any dispute, difference or question which shall at any time arise between the parties to the contract as to the construction, meaning or effect of these Conditions of Sale or the rights and liabilities of the parties or otherwise howsoever, relating thereto shall be referred to the decision of a single arbitrator to be nominated in the event of disagreement between the parties by the President for the time being of the London Chambers of Commerce and such reference shall be deemed to be an arbitration agreement within the meaning of the Arbitration Act 1950 or any statutory re-enactment thereof.

18) LAW

The contract shall be subject to and interpreted in accordance with the laws of England.

The following notes prepared to meet the company's obligations imposed by the Health & Safety at Work Act 1974 (Amended 1988) are of a general nature only. Specific information regarding installation use and disposal appropriate to individual models is provided in the instruction leaflet packed with the product, or can be found on the relevant pages of this catalogue.

The Health & Safety at Work Act 1974 imposes upon the users of the company's products an obligation to ensure that all personnel involved in the installation, handling, use or disposal of these products are acquainted with the information provided by the Company and are made fully aware of any precautions that need to be taken.

The installation of these products should only be carried out by a qualified contractor in accordance with the instructions supplied with the product.

Specifications

Leadership in design is based on constant development and improvement. Whilst great care is taken to give up-to-date information in this publication, the right is reserved to change any specifications herein detailed, without prior notice. All descriptions, illustrations etc, in this publication shall not form part of any contract.

Lamps

Wattage and where applicable type of lamp are shown for every fitting. Incorrect lamps may affect efficiency, change the planned distribution, create glare and in some cases, seriously overheat the luminaire. Unless otherwise stated all luminaires are supplied without lamps.

Transformer & Control Gear

Transformers and Control Gear are available for 240V 50HZ and 230V 50HZ with other options subject to special quotation.

240V 50HZ will be supplied unless any other voltage is requested at the time of ordering.

Product colours and finishes

The Feilo Sylvania range of standard colours has been rationalised. This change situation has provided Havells-Sylvania with the opportunity to harmonise our standard colours in line with developments that have taken place in architectural materials and building accessories.

For reference the standard paint finishes are now:

LED Lamps

RAL 9023 Dark Silver

RAL 9016 Traffic White

Please note:

- Due to photography and the printing process the colours reproduced in this catalogue may not be truly representative.
- Though paint colours may be the same, gloss, matt, satin and textured finishes will appear different.

Protection of Electronic Components

All products incorporating electronic components are protected against damage which may result from transients on the mains supply.

The level of protection incorporated is generally in excess of the minimum level specified in the current international standards.

It is the customer's responsibility to ensure that electronic equipment is not subjected to transients above these international immunity standards. In extreme cases additional suppression devices may be needed on the mains supply. The company does not take responsibility for damage to products caused by excessive mains transients.

Intellectual property rights

Sylvania, Concord and Lumiance are registered trademarks of the Feilo Sylvania group. Many products listed in this catalogue are the subject of patents, copyrights, design rights and other intellectual property rights of Feilo Sylvania.

Index

Item Code	Description	Page Number	Item Code	Description	Page Number	Item Code	Description	Page Number
0000001	T5 Short Standard	88	0000870	T8 Luxline® Plus Special Length	92	0001853	T8 Luxline® Plus Special Length	92
0000002	T5 Short Standard	88	0000871	T8 Luxline® Plus Special Length	92	0001854	Foodstar Meat - Fluorescent	156
0000003	T5 Short Standard	88	0000872	T8 Luxline® Plus Special Length	92	0001855	Foodstar Meat - Fluorescent	156
0000011	T5 Short Standard	88	0000874	T8 Luxline® Plus Special Length	92	0001856	Foodstar Meat - Fluorescent	156
0000012	T5 Short Standard	88	0000875	T8 Luxline® Plus Special Length	92	0001857	Foodstar Meat - Fluorescent	156
0000013	T5 Short Standard	88	0000877	T8 Luxline® Plus Special Length	92	0001858	Foodstar Bread - Fluorescent	157
0000014	T5 Short Standard	88	0000878	T8 Luxline® Plus Special Length	92	0001859	Foodstar Bread - Fluorescent	157
0000019	T5 Short Standard	88	0000879	T8 Luxline® Plus Special Length	92	0001860	Foodstar Bread - Fluorescent	157
0000020	T5 Short Standard	88	0000947	T8 Luxline® Plus Special Length	92	0001861	Foodstar Bread - Fluorescent	157
0000021	T5 Short Standard	88	0001077	T8 Luxline® Plus Special Length	92	0001862	Foodstar Bread - Fluorescent	157
0000026	Grolux T5	215	0001078	T8 Luxline® Plus Special Length	92	0001863	Foodstar Bread - Fluorescent	157
0000029	T5 Short Standard	88	0001079	T8 Luxline® Plus Special Length	92	0001864	Foodstar Bread - Fluorescent	157
0000030	T5 Short Standard	88	0001080	T8 Luxline® Plus Special Length	92	0001865	Foodstar Bread - Fluorescent	158
0000031	T5 Short Standard	88	0001093	T8 Luxline® Plus	91	0001866	Foodstar Fresh - Fluorescent	158
0000032	T5 Short Standard	88	0001094	T8 Luxline® Plus	91	0001867	Foodstar Fresh - Fluorescent	158
0000037	T8 Special Length Standard	95	0001095	T8 Luxline® Plus	91	0001868	Foodstar Fresh - Fluorescent	158
0000039	T8 Special Length Standard	95	0001394	T8 Luxline® Plus	91	0001869	Foodstar Fresh - Fluorescent	158
0000040	T8 Special Length Standard	95	0001493	Luxline® Plus ShatterProof	94	0001900	T5 Emergency	89
0000042	T5 Short Luxline® Plus	88	0001494	Luxline® Plus ShatterProof	94	0001902	T5 Emergency	89
0000043	Grolux T8	216	0001500	T8 Luxline® Plus	91	0001905	T5 Emergency	89
0000069	Grolux T8	216	0001501	T8 Luxline® Plus	91	0001907	T5 Emergency	89
0000073	T5 Short Luxline® Plus	88	0001502	T8 Luxline® Plus	91	0001908	T5 Emergency	89
0000082	Blacklight BL368 Linear & Circline	188	0001504	T8 Luxline® Plus Special Length	92	0001909	T5 Emergency	89
0000085	Blacklight BL368 Linear & Circline	188	0001505	T8 Luxline® Plus	91	0001960	T9 Circline Plus	99
0000088	Blacklight BL368 Linear & Circline	188	0001510	T8 Luxline® Plus	91	0001961	T9 Circline Plus	99
0000089	Blacklight BL368 Linear & Circline	188	0001511	T8 Luxline® Plus	91	0001962	T9 Circline Plus	99
0000090	Blacklight BL368 Linear & Circline	188	0001512	T8 Luxline® Plus	91	0001963	T9 Circline Plus	99
0000091	Blacklight BL368 Linear & Circline	188	0001514	T8 Luxline® Plus	91	0001964	T9 Circline Plus	99
0000092	Blacklight BL368 Linear & Circline	188	0001520	T8 Luxline® Plus Special Length	92	0001965	T9 Circline Plus	99
0000097	Blacklight BL368 Linear & Circline	188	0001523	Grolux T8	216	0001966	T9 Circline Plus	99
0000098	Blacklight BL368 Linear & Circline	188	0001524	Grolux T8	216	0001967	T9 Circline Plus	99
0000099	Blacklight BL368 Linear & Circline	188	0001525	Grolux T8	216	0001968	T9 Circline Plus	99
0000100	Blacklight BL368 Linear & Circline	188	0001530	T8 Luxline® Plus	91	0002166	Blacklight BL368 Linear & Circline	188
0000124	Blacklight BL368 Toughcoat™	190	0001531	T8 Luxline® Plus	91	0002208	Germicidal Linear	201
0000125	Blacklight BL368 Toughcoat™	190	0001532	T8 Luxline® Plus	91	0002212	Aquastar T8	193
0000126	Blacklight BL368 Toughcoat™	190	0001535	T8 Luxline® Plus	91	0002216	Germicidal Linear	201
0000150	Grolux T8	216	0001537	T8 Luxline® Plus Reflector	95	0002217	Germicidal Linear	201
0000361	Blacklight BL368 Linear & Circline	188	0001580	T8 Luxline® SuperColour	93	0002218	Activa-Seasonal Affective Disorder (SAD) T8	187
0000382	T5 Short Standard	88	0001581	T8 Luxline® SuperColour	93	0002219	Activa-Seasonal Affective Disorder (SAD) T8	187
0000423	T12 IRS	97	0001582	T8 Luxline® SuperColour	93	0002220	Activa-Seasonal Affective Disorder (SAD) T8	187
0000424	T12 IRS	97	0001605	T8 Luxline® Eco	90	0002221	Aquastar T8	193
0000430	T12 IRS	97	0001607	T8 Luxline® Eco	90	0002222	Aquastar T8	193
0000431	T12 IRS	97	0001608	T8 Luxline® Eco	90	0002223	Aquastar T8	193
0000438	T12 IRS	97	0001609	T8 Luxline® Eco	90	0002224	Aquastar T8	193
0000456	Blacklight BL368 Linear & Circline	188	0001611	T8 Luxline® Eco	90	0002225	Aquastar T8	193
0000501	Germicidal Linear	201	0001612	T8 Luxline® Eco	90	0002226	Aquastar T8	193
0000503	Germicidal Linear	201	0001630	Blacklight BL368 Toughcoat™	190	0002241	Activa-Seasonal Affective Disorder (SAD) T5	187
0000504	Germicidal Linear	201	0001638	Blacklight BL368 Linear & Circline	188	0002243	Activa-Seasonal Affective Disorder (SAD) T5	187
0000517	Germicidal Linear	201	0001648	Blacklight BL368 Toughcoat™	190	0002306	AquaClassic T5	194
0000520	T5 Circline Plus	98	0001649	Blacklight BL368 Toughcoat™	190	0002307	AquaClassic T5	194
0000521	T5 Circline Plus	98	0001650	Blacklight BL368 Toughcoat™	190	0002308	AquaClassic T5	194
0000523	T5 Circline Plus	98	0001651	Blacklight BL368 Toughcoat™	190	0002309	AquaClassic T5	194
0000524	T5 Circline Plus	98	0001652	Blacklight BL368 Toughcoat™	190	0002310	AquaClassic T5	194
0000527	T5 Circline Plus	98	0001664	Blacklight BL368 Toughcoat™	190	0002311	AquaClassic T5	194
0000528	T5 Circline Plus	98	0001665	Blacklight BL368 Toughcoat™	190	0002328	Germicidal Linear	201
0000566	T8 Luxline® Plus Special Length	92	0001679	Grolux T8	216	0002560	T8 Coloured	181
0000567	T8 Luxline® Plus Special Length	92	0001788	FoodstarFoodstar Meat	156	0002561	T8 Coloured	96, 181
0000578	T8 Luxline® Plus	91		- Fluorescent Toughcoat™		0002562	T8 Coloured	96, 181
0000580	T8 Luxline® Plus	91	0001789	FoodstarFoodstar Meat	156	0002563	T8 Coloured	96, 181
0000581	T8 Luxline® Plus	91		- Fluorescent Toughcoat™		0002564	T8 Coloured	181
0000582	T8 Luxline® Plus	91	0001790	FoodstarFoodstar Meat	156	0002565	T8 Coloured	96, 181
0000643	Aquastar T8	193		- Fluorescent Toughcoat™		0002566	T8 Coloured	96, 181
0000644	Aquastar T8	193	0001792	FoodstarFoodstar Meat	156	0002567	T8 Coloured	96, 181
0000645	Aquastar T8	193		- Fluorescent Toughcoat™		0002568	T8 Coloured	181
0000646	Aquastar T8	193	0001793	FoodstarFoodstar Meat	156	0002569	T8 Coloured	96, 181
0000647	Aquastar T8	193		- Fluorescent Toughcoat™		0002570	T8 Coloured	96, 181
0000648	Aquastar T8	193	0001795	FoodstarFoodstar Meat	156	0002571	T8 Coloured	96, 181
0000649	Aquastar T8	193		- Fluorescent Toughcoat™		0002572	T8 Coloured	96, 181
0000698	Blacklight Blue Lamps	180	0001797	Foodstar Foodstar Bread	157	0002573	T8 Coloured	96, 181
0000699	Blacklight Blue Lamps	180		- Fluorescent Toughcoat™		0002574	T8 Coloured	96, 181
0000707	Grolux T8	216	0001798	Foodstar Foodstar Bread	157	0002720	Marinestar T5 15000K	197
0000708	Grolux T8	216		- Fluorescent Toughcoat™		0002721	Marinestar T5 15000K	197
0000709	Grolux T8	216	0001799	Foodstar Foodstar Bread	157	0002722	Marinestar T5 15000K	197
0000710	Grolux T8	216		- Fluorescent Toughcoat™		0002725	Marinestar T5 15000K	197
0000711	Grolux T8	216	0001800	Foodstar Foodstar Bread	157	0002740	Grolux T5	215
0000712	Grolux T8	216		- Fluorescent Toughcoat™		0002741	Aquastar T5	192
0000713	Grolux T8	216	0001801	Foodstar Foodstar Bread	157	0002742	Coralstar T5	196
0000714	Grolux T8	216		- Fluorescent Toughcoat™		0002743	Grolux T5	215
0000715	Daylightstar T8	195	0001802	Foodstar Foodstar Bread	157	0002744	Aquastar T5	192
0000716	Daylightstar T8	195		- Fluorescent Toughcoat™		0002745	Coralstar T5	196
0000717	Daylightstar T8	195	0001803	Foodstar Foodstar Bread	157	0002746	Grolux T5	215
0000718	Daylightstar T8	195		- Fluorescent Toughcoat™		0002747	Aquastar T5	192
0000728	Grolux T5	215	0001805	FoodstarFoodstar Fresh	158	0002748	Coralstar T5	196
0000729	Grolux T5	215		- Fluorescent Toughcoat™		0002749	Grolux T5	215
0000730	Grolux T5	215	0001806	FoodstarFoodstar Fresh	158	0002750	Aquastar T5	192
0000731	Reptistar T8	199		- Fluorescent Toughcoat™		0002752	Aquastar T5	192
0000732	Reptistar T8	199	0001807	FoodstarFoodstar Fresh	158	0002753	Aquastar T5	192
0000733	Reptistar T8	199		- Fluorescent Toughcoat™		0002754	Aquastar T5	192
0000741	Reptistar T8	199	0001808	FoodstarFoodstar Fresh	158	0002755	Coralstar T5	196
0000742	Reptistar T8	199		- Fluorescent Toughcoat™		0002756	Coralstar T5	196
0000743	Reptistar T8	199	0001816	Foodstar Meat - Fluorescent	156	0002760	T5 FHE Luxline® Plus	86
0000744	Reptistar T8	199	0001817	Foodstar Meat - Fluorescent	156	0002761	T5 FHE Luxline® Plus	86
0000800	AquaStar LED	191	0001818	Foodstar Meat - Fluorescent	156	0002762	T5 FHE Luxline® Plus	86
0000801	AquaStar LED	191	0001819	Foodstar Meat - Fluorescent	156	0002763	T5 FHE Luxline® Plus	86
0000810	AquaStar LED	191	0001820	Foodstar Meat - Fluorescent	156	0002764	T5 FHE Luxline® Plus	86
0000820	AquaStar LED	191	0001821	Foodstar Meat - Fluorescent	156	0002765	T5 FHE Luxline® Plus	86

Item Code	Description	Page Number	Item Code	Description	Page Number	Item Code	Description	Page Number
0002766	T5 FHE Luxline® Plus	86	0020241	Relumina	65	0020739	SHP-S / SHP-TS Twinarc	78
0002767	T5 FHE Luxline® Plus	86	0020242	Relumina	65	0020740	SHP-S / SHP-TS Twinarc	78
0002768	T5 FHE Luxline® Plus	86	0020270	Britespot ES50™ / ESD50™	69	0020741	SHP-S / SHP-TS Twinarc	78
0002769	T5 FHE Luxline® Plus	86	0020271	Britespot ES50™ / ESD50™	69	0020742	SHP-S / SHP-TS Twinarc	78
0002770	T5 FHE Luxline® Plus	86	0020272	Britespot ES50™ / ESD50™	69	0020743	SHP-S / SHP-TS Twinarc	78
0002771	T5 FHE Luxline® Plus	86	0020273	Britespot ES50™ / ESD50™	69	0020744	SHP-S / SHP-TS Twinarc	78
0002772	T5 FHO Luxline® Plus	87	0020274	Britespot ES50™ / ESD50™	69	0020748	SHP / SHP-T Standard and Basic Plus	80
0002773	T5 FHO Luxline® Plus	87	0020275	Britespot ES50™ / ESD50™	69	0020771	HSI-SX / HSI-TSX Britelux	73
0002774	T5 FHO Luxline® Plus	87	0020290	Superia CMI-T/ CMI-TC / CMI-TD	66	0020772	HSI-SX / HSI-TSX Britelux	73
0002775	T5 FHO Luxline® Plus	87	0020291	Superia CMI-T/ CMI-TC / CMI-TD	66	0020773	HSI-SX / HSI-TSX Britelux	73
0002776	T5 FHO Luxline® Plus	87	0020292	Superia CMI-T/ CMI-TC / CMI-TD	66	0020774	HSI-SX / HSI-TSX Britelux	73
0002777	T5 FHO Luxline® Plus	87	0020293	Superia CMI-T/ CMI-TC / CMI-TD	66	0020775	HSI-SX / HSI-TSX Britelux	73
0002778	T5 FHO Luxline® Plus	87	0020294	Superia CMI-T/ CMI-TC / CMI-TD	66	0020776	HSI-SX / HSI-TSX Britelux	73
0002779	T5 FHO Luxline® Plus	87	0020295	Superia CMI-T/ CMI-TC / CMI-TD	66	0020805	SHP-S/SHP-TS Super	79
0002780	T5 FHO Luxline® Plus	87	0020296	Superia CMI-T/ CMI-TC / CMI-TD	66	0020807	SHP-TS GroLux	213
0002781	T5 FHO Luxline® Plus	87	0020297	Superia CMI-T/ CMI-TC / CMI-TD	66	0020808	SHP-TS GroLux	213
0002782	T5 FHO Luxline® Plus	87	0020300	Superia CMI-T/ CMI-TC / CMI-TD	66	0020809	SHP-TS GroLux	213
0002783	T5 FHO Luxline® Plus	87	0020301	Superia CMI-T/ CMI-TC / CMI-TD	66	0020810	HSI-MP Metalarc	71
0002784	T5 FHO Luxline® Plus	87	0020302	Superia CMI-T/ CMI-TC / CMI-TD	66	0020811	HSI-MP Metalarc	71
0002785	T5 FHO Luxline® Plus	87	0020303	Superia CMI-T/ CMI-TC / CMI-TD	66	0020812	HSI-MP Metalarc	71
0002786	T5 FHO Luxline® Plus	87	0020304	Superia CMI-T/ CMI-TC / CMI-TD	66	0020813	HSI-MP Metalarc	71
0002787	T5 FHE Luxline® Plus	86	0020305	Superia CMI-T/ CMI-TC / CMI-TD	66	0020816	SHP-T GroXpress	214
0002788	T5 FHE Luxline® Plus	86	0020306	Superia CMI-T/ CMI-TC / CMI-TD	66	0020817	SHP-T GroXpress	214
0002789	T5 FHE Luxline® Plus	86	0020307	Superia CMI-T/ CMI-TC / CMI-TD	66	0020818	SHP-T GroXpress	214
0002790	T5 FHE Luxline® Plus	86	0020308	Superia CMI-T/ CMI-TC / CMI-TD	66	0020819	SHP-TS GroLux	213
0002791	T5 FHO Luxline® Plus	87	0020309	Superia CMI-T/ CMI-TC / CMI-TD	66	0020820	HSI-MP Metalarc	71
0002792	T5 FHO Luxline® Plus	87	0020310	Superia CMI-T/ CMI-TC / CMI-TD	66	0020821	HSI-MP Metalarc	71
0002793	T5 FHO Luxline® Plus	87	0020326	SHP-S/SHP-TS Super	79	0020822	HSI-MP Metalarc	71
0002794	T5 FHO Luxline® Plus	87	0020339	HSI-TD	77	0020823	HSI-MP Metalarc	71
0002798	T5 FHE Luxline® Plus	86	0020346	HSI-HX / HSI-THX	75	0020826	SHP-TS GroLux	213
0002799	T5 FHE Luxline® Plus	86	0020347	HSI-HX / HSI-THX	75	0020830	HSI-MP Metalarc	71
0002800	T5 FHE Luxline® Plus	86	0020349	HSI-TD	77	0020831	HSI-MP Metalarc	71
0002801	T5 FHE Luxline® Plus	86	0020350	HSI-HX / HSI-THX	75	0020832	HSI-MP Metalarc	71
0002802	T5 FHO Luxline® Plus	87	0020351	HSI-HX / HSI-THX	75	0020833	HSI-MP Metalarc	71
0002803	T5 FHO Luxline® Plus	87	0020353	HSI-HX / HSI-THX	75	0020838	SHP / SHP-T Standard and Basic Plus	80
0002804	T5 FHO Luxline® Plus	87	0020355	HSI-HX / HSI-THX	75	0020839	SHP / SHP-T Standard and Basic Plus	80
0002805	T5 FHO Luxline® Plus	87	0020357	HSI-HX / HSI-THX	75	0020841	SHP / SHP-T Standard and Basic Plus	80
0002820	Aquastar T5	192	0020365	CMI-T / CMI-TC / CMI-TD	67	0020842	SHP / SHP-T Standard and Basic Plus	80
0002821	Grolux T5	215	0020366	CMI-T / CMI-TC / CMI-TD	67	0020843	SHP / SHP-T Standard and Basic Plus	80
0002822	Aquastar T5	192	0020367	CMI-T / CMI-TC / CMI-TD	67	0020844	SHP / SHP-T Standard and Basic Plus	80
0002823	Grolux T5	215	0020368	CMI-T / CMI-TC / CMI-TD	67	0020846	SHP / SHP-T Standard and Basic Plus	80
0002824	Aquastar T5	192	0020369	CMI-T / CMI-TC / CMI-TD	67	0020847	SHP / SHP-T Standard and Basic Plus	80
0002825	Grolux T5	215	0020370	CMI-T / CMI-TC / CMI-TD	67	0020848	SHP / SHP-T Standard and Basic Plus	80
0002826	Aquastar T5	192	0020371	CMI-T / CMI-TC / CMI-TD	67	0020849	SHP / SHP-T Standard and Basic Plus	80
0002827	Grolux T5	215	0020372	CMI-T / CMI-TC / CMI-TD	67	0021021	Low Pressure Capsule	133
0002828	Aquastar T5	192	0020373	CMI-T / CMI-TC / CMI-TD	67	0021022	Low Pressure Capsule	133
0002829	Grolux T5	215	0020374	CMI-T / CMI-TC / CMI-TD	67	0021028	Coralarc	198
0002830	Aquastar T5	192	0020375	CMI-T / CMI-TC / CMI-TD	67	0021029	Coralarc	198
0002831	Grolux T5	215	0020376	CMI-T / CMI-TC / CMI-TD	67	0021036	HSI-TD Metalarc	72
0002901	T5 Linear Ecoline Fluorescent	85	0020377	CMI-T / CMI-TC / CMI-TD	67	0021037	HSI-TD Metalarc	72
0002902	T5 Linear Ecoline Fluorescent	85	0020378	CMI-T / CMI-TC / CMI-TD	67	0021047	HSI-TD Metalarc	72
0002905	T5 Linear Ecoline Fluorescent	85	0020379	Superia CMI-TT	68	0021050	Aqua arc	198
0002906	T5 Linear Ecoline Fluorescent	85	0020380	Superia CMI-TT	68	0021081	Hi-Spot® 50	134
0002909	T5 Linear Ecoline Fluorescent	85	0020381	Superia CMI-TT	68	0021084	Hi-Spot® 50	134
0002910	T5 Linear Ecoline Fluorescent	85	0020382	Superia CMI-TT	68	0021125	Hi-Spot® 63 Extralife	135
0002913	T5 Linear Ecoline Fluorescent	85	0020393	HSI-HX / HSI-THX	75	0021126	Hi-Spot® 63 Extralife	135
0002914	T5 Linear Ecoline Fluorescent	85	0020394	HSI-HX / HSI-THX	75	0021127	Hi-Spot® 63 Extralife	135
0002917	T5 Linear Ecoline Fluorescent	85	0020448	SHP-S/SHP-TS Super	79	0021128	Hi-Spot® 63 Extralife	135
0002918	T5 Linear Ecoline Fluorescent	85	0020455	SHP / SHP-T Standard and Basic Plus	80	0021131	Hi-Spot® 80 Superia Extralife	136
0002920	T5 Linear Ecoline Fluorescent	85	0020457	SHP / SHP-T Standard and Basic Plus	80	0021132	Hi-Spot® 80 Superia Extralife	136
0002921	T5 Linear Ecoline Fluorescent	85	0020481	SHP / SHP-T Standard and Basic Plus	80	0021133	Hi-Spot® 80 Superia Extralife	136
0002923	T5 Linear Ecoline Fluorescent	85	0020482	SHP / SHP-T Standard and Basic Plus	80	0021134	Hi-Spot® 80 Superia Extralife	136
0002924	T5 Linear Ecoline Fluorescent	85	0020484	SHP / SHP-T Standard and Basic Plus	80	0021137	Aqua arc	198
0002925	T5 Linear Ecoline Fluorescent	85	0020485	SHP / SHP-T Standard and Basic Plus	80	0021141	Hi-Spot® 120 Superia Extralife	138
0002926	T5 Linear Ecoline Fluorescent	85	0020504	SHP / SHP-T Standard and Basic Plus	80	0021142	Hi-Spot® 120 Superia Extralife	138
0002927	T5 Linear Ecoline Fluorescent	85	0020518	Lynx® - QE	118	0021143	Hi-Spot® 120 Superia Extralife	138
0002928	T5 Linear Ecoline Fluorescent	85	0020530	HSI-T Daylight	74	0021144	Hi-Spot® 120 Superia Extralife	138
0007339	Pygmy	150	0020531	HSI-T Daylight	74	0021145	Hi-Spot® 120 Superia Extralife	138
0007351	Tubular Clear	150	0020533	HSI-T	76	0021146	Hi-Spot® 120 Superia Extralife	138
0007352	Tubular Clear	150	0020540	HSI-T	76	0021147	Hi-Spot® 120 Superia Extralife	138
0007360	Tubular Clear	150	0020544	HSI-HX / HSI-THX	75	0021161	Hi-Spot® 80 Superia Extralife	136
0008072	Pygmy	150	0020546	HSI-HX / HSI-THX	75	0021162	Hi-Spot® 80 Superia Extralife	136
0008100	Pygmy	150	0020551	SHP Self-Starting	81	0021163	Hi-Spot® 80 Superia Extralife	136
0008120	Pygmy	150	0020554	SHP / SHP-T Standard and Basic Plus	80	0021164	Hi-Spot® 80 Superia Extralife	136
0009718	Traffic Signal Incandescent Mushroom	212	0020555	SHP / SHP-T Standard and Basic Plus	80	0021220	Linear Double Ended Eco	130
0009719	Traffic Signal Incandescent Mushroom	212	0020595	HSI-T	76	0021230	Hi-Spot® 95	137
0009749	Traffic Signal Incandescent Mushroom	212	0020678	SHP-S/SHP-TS Super	79	0021231	Hi-Spot® 95	137
0009752	Traffic Signal Incandescent Mushroom	212	0020685	SHP-S/SHP-TS Super	79	0021232	Hi-Spot® 95	137
0009753	Traffic Signal Incandescent Mushroom	212	0020686	SHP-S/SHP-TS Super	79	0021233	Hi-Spot® 95	137
0009754	Traffic Signal Incandescent Mushroom	212	0020687	SHP-S/SHP-TS Super	79	0021234	Hi-Spot® 95	137
0019650	PAR 38 Coloured	173	0020688	SHP-S/SHP-TS Super	79	0021235	Hi-Spot® 95	137
0019651	PAR 38 Coloured	173	0020690	SHP-S/SHP-TS Super	79	0021236	Hi-Spot® 95	137
0019652	PAR 38 Coloured	173	0020692	SHP-S/SHP-TS Super	79	0021237	Hi-Spot® 95	137
0019653	PAR 38 Coloured	173	0020693	SHP-S/SHP-TS Super	79	0021240	Hi-Spot® ES50 Home	139
0020200	Britespot ES111™ / ESD111™	70	0020712	SHP-S / SHP-TS Twinarc	78	0021241	Hi-Spot® ES50 Home	139
0020201	Britespot ES111™ / ESD111™	70	0020713	SHP-S/SHP-TS Super	79	0021254	Hi-Spot® ES50 Home	139
0020202	Britespot ES111™ / ESD111™	70	0020714	SHP-S/SHP-TS Super	79	0021256	Hi-Spot® ES50 Home	139
0020207	Britespot ES111™ / ESD111™	70	0020715	SHP-S/SHP-TS Super	79	0021261	Hi-Spot® ES50 Home	139
0020208	Britespot ES111™ / ESD111™	70	0020716	SHP-S/SHP-TS Super	79	0021270	Hi-Spot ES50 GU10 Coloured	179
0020230	HSI-TD Metalarc	72	0020717	SHP-S / SHP-TS Twinarc	78	0021271	Hi-Spot ES50 GU10 Coloured	179
0020231	HSI-TD Metalarc	72	0020718	SHP-S / SHP-TS Twinarc	78	0021272	Hi-Spot ES50 GU10 Coloured	179
0020232	HSI-TD Metalarc	72	0020719	SHP-S / SHP-TS Twinarc	78	0021273	Hi-Spot ES50 GU10 Coloured	179
0020233	HSI-TD Metalarc	72	0020720	SHP-S / SHP-TS Twinarc	78	0021274	Hi-Spot® 95	137
0020234	HSI-TD Metalarc	72	0020724	SHP-S / SHP-TS Twinarc	78	0021291	Hi-Spot® 95	137
0020235	HSI-TD Metalarc	72	0020725	SHP-S / SHP-TS Twinarc	78	0021293	Hi-Spot® 95	137
0020240	Relumina	65	0020726	SHP-S / SHP-TS Twinarc	78	0021310	Hi-Spot® ES50 Home	139

Index

Item Code	Description	Page Number	Item Code	Description	Page Number	Item Code	Description	Page Number
0021311	Hi-Spot® ES50 Home	139	0022555	MR16 Coolfit	144	0023778	Classic Eco Ball	124
0021312	Hi-Spot® ES50 Home	139	0022583	MR16 Home	144	0023779	Classic Eco Ball	124
0021320	Low Pressure Eco Capsule	132	0022584	MR16 Home	144	0023780	Classic Eco Ball	124
0021321	Low Pressure Eco Capsule	132	0022585	MR16 Home	144	0023800	BriteArc "BriteFit"	163, 164
0021344	Classic Eco R50 / R63 / R80 / R90	127	0022586	MR16 Home	144	0023801	BriteArc "BriteFit"	163, 164
0021345	Classic Eco R50 / R63 / R80 / R90	127	0022717	Hi-Spot® ES50 Eco	139	0023803	BRITEARC Single Ended	
0021346	Classic Eco R50 / R63 / R80 / R90	127	0022718	Hi-Spot® ES50 Eco	139		Hot Restrike (Ba Se Hr)	161, 164
0021347	Classic Eco R50 / R63 / R80 / R90	127	0022719	Hi-Spot® ES50 Eco	139	0023805	BriteArc "BriteFit"	163, 164
0021348	Classic Eco R50 / R63 / R80 / R90	127	0022720	Hi-Spot® ES50 Eco	139	0023806	BriteArc "BriteFit"	163, 164
0021351	Classic Eco R50 / R63 / R80 / R90	127	0022721	Hi-Spot® ES50 Eco	139	0023807	BriteArc "BriteFit"	163
0021352	Classic Eco R50 / R63 / R80 / R90	127	0022722	Hi-Spot® ES50 Eco	139	0023808	BriteArc "BriteFit"	163, 164
0021353	Classic Eco R50 / R63 / R80 / R90	127	0022723	Hi-Spot® ES50 Eco	139	0023809	BriteArc "BriteFit"	163, 164
0021354	Classic Eco R50 / R63 / R80 / R90	127	0022724	Hi-Spot® ES50 Eco	139	0023810	BRITEARC Single Ended Hot	
0021484	Airfield Reflector Lamps MR16	210	0022758	Hi-Spot® ES50 Home	139		Restrike (Ba Se Hr)	161, 164
0021488	Airfield Reflector Lamps MR16	210	0022759	Hi-Spot® ES50 Home	139	0023811	Britearc Double Ended (BA DE)	162, 164
0021489	Airfield Reflector Lamps MR16	210	0022844	Hi-Pin G9 Eco	131	0023812	BriteArc "BriteFit"	163, 164
0021496	Airfield Reflector Lamps MR16	210	0022845	Hi-Pin G9 Eco	131	0023813	BriteArc "BriteFit"	163, 164
0021498	Airfield Reflector Lamps MR16	210	0022846	Hi-Pin G9 Eco	131	0023814	BriteArc Single Ended Non Hot Restrike	159, 164
0021529	Linear Double Ended Eco	130	0022847	Hi-Pin G9 Eco	131	0023815	BriteArc "BriteFit"	163, 164
0021530	Linear Double Ended Eco	130	0022900	Hi-Spot® ES50/ESD50 Superia	139	0023817	BriteArc "BriteFit"	163, 164
0021531	Linear Double Ended Eco	130	0022901	Hi-Spot® ES50/ESD50 Superia	139	0023818	BriteArc "BriteFit"	163, 164
0021532	Linear Double Ended Eco	130	0022902	Hi-Spot® ES50/ESD50 Superia	139	0023840	Classic Eco A55	123
0021533	Linear Double Ended Eco	130	0022903	Hi-Spot® ES50/ESD50 Superia	139	0023841	Classic Eco A55	123
0021534	Linear Double Ended Eco	130	0022904	Hi-Spot® ES50/ESD50 Superia	139	0023842	Classic Eco Ball	124
0021619	Linear Double Ended Eco	130	0022905	Hi-Spot® ES50/ESD50 Superia	139	0023843	Classic Eco Ball	124
0021623	Linear Double Ended High-Power	130	0022906	Hi-Spot® ES50/ESD50 Superia	139	0023844	Classic Eco Candle	125
0021624	Linear Double Ended High-Power	130	0022907	Hi-Spot® ES50/ESD50 Superia	139	0023845	Classic Eco Candle	125
0021625	Linear Double Ended High-Power	130	0022908	Hi-Spot® ES50/ESD50 Superia	139	0023846	Classic Eco Candle Twisted	126
0021626	Linear Double Ended High-Power	130	0023102	Classic Eco R50 / R63 / R80 / R90	127	0023847	Classic Eco Candle Bent Tip	126
0021628	Linear Double Ended High-Power	130	0023103	Classic Eco R50 / R63 / R80 / R90	127	0023849	Hi-Pin G9 Eco	131
0021629	Linear Double Ended High-Power	130	0023120	Classic Eco R50 / R63 / R80 / R90	127	0023850	Classic Eco Candle	125, 126
0021697	MR16 Superia EcoPlus	142	0023121	Classic Eco R50 / R63 / R80 / R90	127	0023851	Classic Eco Striplight	128
0021698	MR16 Superia EcoPlus	142	0023122	Classic Eco R50 / R63 / R80 / R90	127	0023865	Decorative Vintage Lamps	149
0021699	MR16 Superia EcoPlus	142	0023123	Classic Eco R50 / R63 / R80 / R90	127	0023866	Decorative Vintage Lamps	149
0021700	MR16 Superia EcoPlus	142	0023124	Classic Eco R50 / R63 / R80 / R90	127	0023869	Decorative Vintage Lamps	149
0021701	MR16 Superia EcoPlus	142	0023125	Classic Eco R50 / R63 / R80 / R90	127	0023870	Decorative Vintage Lamps	149
0021702	MR16 Superia EcoPlus	142	0023126	Classic Eco R50 / R63 / R80 / R90	127	0023871	Decorative Vintage Lamps	149
0021703	MR16 Superia EcoPlus	142	0023127	Classic Eco R50 / R63 / R80 / R90	127	0023872	Decorative Vintage Lamps	149
0021704	MR16 Superia EcoPlus	142	0023132	Classic Eco A55	123	0023873	Decorative Vintage Lamps	149
0021705	MR16 Superia EcoPlus	142	0023133	Classic Eco A55	123	0023874	Decorative Vintage Lamps	149
0021706	MR16 Superia EcoPlus	142	0023134	Classic Eco A55	123	0023875	Decorative Vintage Lamps	149
0021713	Linear Double Ended Eco	130	0023135	Classic Eco A55	123	0023876	Decorative Vintage Lamps	149
0021714	Linear Double Ended Eco	130	0023136	Classic Eco A55	123	0023877	Decorative Vintage Lamps	149
0021715	Linear Double Ended Eco	130	0023137	Classic Eco A55	123	0023878	Decorative Vintage Lamps	149
0021716	Linear Double Ended Eco	130	0023138	Classic Eco A55	123	0023879	Decorative Vintage Lamps	149
0021717	Linear Double Ended Eco	130	0023139	Classic Eco A55	123	0023883	BRITEARC Single Ended Hot	
0021718	Linear Double Ended Eco	130	0023147	Classic Eco R50 / R63 / R80 / R90	127		Restrike (Ba Se Hr)	161, 164
0021719	Linear Double Ended Eco	130	0023148	Classic Eco R50 / R63 / R80 / R90	127	0023892	BRITEARC Single Ended Hot	
0021720	Linear Double Ended Eco	130	0023296	Classic Eco R50 / R63 / R80 / R90	127		Restrike (Ba Se Hr)	161, 164
0021807	MR16 Home Eco	143	0023297	Classic Eco A55	123	0023893	BRITEARC Single Ended Hot	
0021808	MR16 Home Eco	143	0023298	Classic Eco Candle	125		Restrike (Ba Se Hr)	161, 164
0021809	MR16 Home Eco	143	0023300	Classic Eco A55	123	0023894	BRITEARC Single Ended Hot	
0021810	MR16 Home Eco	143	0023301	Classic Eco A55	123		Restrike (Ba Se Hr)	161, 164
0021811	MR16 Home Eco	143	0023302	Classic Eco A55	123	0023898	BriteArc Cross Reference	164
0021812	MR16 Home Eco	143	0023455	Classic Eco Candle Twisted	126	0023899	BriteArc Cross Reference	164
0021813	MR16 Home Eco	143	0023456	Classic Eco Candle Twisted	126	0023911	Britearc Double Ended (BA DE)	162, 164
0021821	MR16 Home	144	0023480	Classic Eco A55	123	0023917	Britearc Double Ended (BA DE)	162, 164
0021822	MR16 Home	144	0023481	Classic Eco A55	123	0023918	Britearc Double Ended (BA DE)	162, 164
0021823	MR16 Home	144	0023482	Classic Eco Candle	125	0023921	Britearc Double Ended (BA DE)	162, 164
0021824	MR16 Home	144	0023484	Classic Eco Candle	125	0023922	Britearc Double Ended (BA DE)	162, 164
0021843	MR16 Home	144	0023485	Classic Eco Ball	124	0023923	BriteArc Cross Reference	162, 164
0021871	Classic Eco Tubular	129	0023486	Classic Eco Ball	124	0023924	BriteArc Double Ended (BA DE)	162, 164
0022112	Classic Eco A55	123	0023488	Classic Eco Ball	124	0023925	BriteArc Cross Reference	162, 164
0022113	Classic Eco A55	123	0023493	Hi-Pin G9 Eco	131	0023927	BriteArc Double Ended (BA DE)	162, 164
0022114	Classic Eco A55	123	0023582	Classic Eco A55	123	0023932	BRITEARC Single Ended Hot	
0022116	Classic Eco R50 / R63 / R80 / R90	127	0023583	Classic Eco A55	123		Restrike (Ba Se Hr)	161, 164
0022117	Classic Eco R50 / R63 / R80 / R90	127	0023714	Classic Eco Candle	125	0023933	BRITEARC Single Ended Hot	
0022165	Low Pressure Capsule	133	0023716	Classic Eco Ball	124		Restrike (Ba Se Hr)	161, 164
0022211	Airfield Capsule Lamps	209	0023722	Classic Eco Candle Twisted	126	0023935	BriteArc Single Ended Non Hot Restrike	159, 164
0022212	Airfield Capsule Lamps	209	0023724	Classic Eco A55	123, 125	0023940	BRITEARC Single Ended Hot	
0022213	Airfield Capsule Lamps	209	0023727	Classic Eco Candle Bent Tip	126		Restrike (Ba Se Hr)	161, 164
0022221	Hi-Spot® ES111/ESD111 AG	141	0023729	Classic Eco Candle Bent Tip	126	0023941	BRITEARC Single Ended Hot	
0022223	Hi-Spot® ES111/ESD111 AG	141	0023731	Classic Eco Candle Bent Tip	126		Restrike (Ba Se Hr)	161, 164
0022224	Hi-Spot® ES111/ESD111 AG	141	0023733	Classic Eco A55	123	0023944	BRITEARC Single Ended Hot	
0022225	Hi-Spot® ES111/ESD111 AG	141	0023734	Classic Eco Candle Bent Tip	126		Restrike (Ba Se Hr)	161, 164
0022226	Hi-Spot® ES111/ESD111 AG	141	0023735	Classic Eco Candle Twisted	126	0023958	BriteArc Single Ended Non Hot Restrike	159, 164
0022227	Hi-Spot® ES111/ESD111 AG	141	0023737	Classic Eco Ball	124	0023960	BriteArc Single Ended Non Hot Restrike	159, 164
0022241	Low Pressure Capsule	133	0023738	Classic Eco Candle	125	0023970	Blacklight Mercury Lamps	166
0022242	Low Pressure Capsule	133	0023739	Classic Eco Candle	125	0023972	Blacklight Mercury Lamps	166
0022246	Low Pressure Capsule	133	0023740	Classic Eco Candle	125	0023973	Blacklight Mercury Lamps	166
0022261	Hi-Spot® ES63/ESD63	140	0023742	Classic Eco Candle Twisted	126	0023978	BriteArc Single Ended Non Hot Restrike	159, 164
0022264	Hi-Spot® ES63/ESD63	140	0023744	Classic Eco Ball	124	0023981	BriteArc Cross Reference	159, 164
0022266	Hi-Spot® ES63/ESD63	140	0023745	Classic Eco A55	123	0023982	BriteArc Single Ended Non Hot Restrike	159, 164
0022268	Hi-Spot® ES63/ESD63	140	0023746	Classic Eco Ball	124	0023988	BRITEARC Single Ended Hot	
0022271	Hi-Spot® ES63/ESD63	140	0023754	Hi-Pin G9 Eco	131		Restrike (Ba Se Hr)	161, 164
0022274	Hi-Spot® ES63/ESD63	140	0023756	Hi-Pin G9 Eco	131	0023990	BriteArc Cross Reference	161, 164
0022276	Low Pressure Eco Capsule	132	0023765	Classic Eco A55	123	0023992	BRITEARC Single Ended Hot	
0022277	Low Pressure Eco Capsule	132	0023766	Classic Eco A55	123		Restrike (Ba Se Hr)	161, 164
0022281	Hi-Spot® ES63/ESD63	140	0023767	Classic Eco A55	123	0023993	Britearc Double Ended (BA DE)	162, 164
0022284	Hi-Spot® ES63/ESD63	140	0023768	Classic Eco A55	123	0023994	BriteArc Cross Reference	162, 164
0022291	Hi-Spot® ES63/ESD63	140	0023771	Classic Eco Candle	125	0023995	BriteArc Double Ended (BA DE)	162, 164
0022338	MR11 Superia	145	0023772	Classic Eco Candle	125	0023996	BriteArc Cross Reference	162, 164
0022341	MR11 Superia	145	0023773	Classic Eco Candle	125	0023998	BriteArc Single Ended High Colour	
0022393	MR11 Home	145	0023774	Classic Eco Candle	125		Temperature (Ba/2 Se)	162, 164
0022395	MR11 Home	145	0023776	Classic Eco Ball	124	0024000	BriteArc Cross Reference	162, 164
0022553	MR16 Coolfit	144	0023777	Classic Eco Ball	124			

Item Code	Description	Page Number	Item Code	Description	Page Number	Item Code	Description	Page Number
0024002	Britearc Single Ended High Colour Temperature (Ba/2 Se)	160, 164	0025927	Lynx® - DE Superia	115	0026824	RefLED+ ES50 V2 Dimmable	41
0024206	Germicidal High Pressure VHO	203	0025950	Lynx® - DE Superia	115	0026825	RefLED+ ES50 V2 Dimmable	41
0024207	Germicidal High Pressure VHO	203	0025951	Lynx® - DE Superia	115	0026826	RefLED+ ES50 V2 Dimmable	41
0024280	High pressure	186	0026195	RefLED Superia MR16	48	0026844	ToLEDo G9/ G4/ Pygmy	56
0024281	High pressure	186	0026196	RefLED Superia MR16	48	0026851	ToLEDo Striplight	58
0024407	HSI-SX / HSI-TSX Britelux	73	0026197	RefLED Superia MR16	48	0026852	ToLEDo Striplight	58
0024409	HSI-SX / HSI-TSX Britelux	73	0026198	RefLED Superia MR16	48	0026853	ToLEDo Striplight	58
0024432	FS Starter Starters	101	0026199	RefLED Superia MR16	48	0026854	ToLEDo Striplight	58
0024433	FS Starter Starters	101	0026306	RefLED Superia MR16 345lm	49	0026855	ToLEDo Striplight	58
0024440	FS Starter Starters	101	0026340	RefLED Superia MR16 345lm	49	0026856	ToLEDo Striplight	58
0024441	FS Starter Starters	101	0026341	RefLED Superia MR16 345lm	49	0026857	ToLEDo Striplight	58
0024471	COP Safety Starters	100	0026342	RefLED Superia MR16 460lm	49	0026880	ToLEDo Outdoor Ball	36
0024479	PureSun Starter	185	0026350	RefLED Superia MR16 460lm	49	0026881	ToLEDo Outdoor Ball	36
0024944	Lynx® - Q	118	0026351	RefLED Superia MR16 345lm	49	0026882	ToLEDo Outdoor Ball	36
0024946	Lynx® - Q	118	0026352	RefLED Superia MR16 460lm	49	0026883	ToLEDo Outdoor Ball	36
0024947	Lynx® - Q	118	0026353	RefLED Superia MR16 460lm	49	0026884	ToLEDo Outdoor Ball	36
0024989	Lynx® - QE	118	0026354	RefLED Superia MR16 460lm	49	0026885	ToLEDo Outdoor Ball	36
0024991	Lynx® - QE	118	0026409	RefLED MR11	53	0026886	ToLEDo Outdoor Ball	36
0024992	Lynx® - QE	118	0026411	RefLED Superia AR111 Dimmable	54	0026887	ToLEDo Outdoor Ball	36
0024995	Lynx® - Q	118	0026412	RefLED Superia AR111 Dimmable	54	0026888	ToLEDo Outdoor Ball	36
0024997	Lynx® - QE	118	0026413	RefLED Superia AR111 Dimmable	54	0026889	ToLEDo Outdoor Ball	36
0024999	Lynx® - QE	118	0026414	RefLED Superia AR111 Dimmable	54	0026890	ToLEDo Outdoor Ball	36
0025000	Lynx® - QE	118	0026417	RefLED Superia AR111 Dimmable	54	0026891	ToLEDo Outdoor Ball	36
0025001	Lynx® - QE	118	0026418	RefLED Superia AR111 Dimmable	54	0026892	ToLEDo Outdoor Ball	36
0025003	Lynx® - QE	118	0026421	RefLED Superia AR111 Dimmable	54	0026893	ToLEDo Outdoor Ball	36
0025004	Lynx® - QE	118	0026422	RefLED Superia AR111 Dimmable	54	0026894	ToLEDo Outdoor Ball	36
0025012	Germicidal Compact	202	0026423	RefLED Superia AR111 Dimmable	54	0026895	ToLEDo Outdoor Ball	36
0025013	Germicidal Compact	202	0026424	RefLED Superia AR111 Dimmable	54	0026896	ToLEDo Outdoor Ball	36
0025014	Germicidal Compact	202	0026430	RefLED Superia AR111 Dimmable	54	0026897	ToLEDo Outdoor Ball	36
0025015	Germicidal Compact	202	0026431	RefLED Superia AR111 Dimmable	54	0026911	ToLEDo Non-dimmable Globe	32
0025016	Germicidal Linear	201	0026432	RefLED Superia AR111 Supercolour Dimmable	54	0026920	ToLEDo V3 Non Dimmable Candle	33
0025040	Germicidal Compact	202	0026504	ToLEDo G9/ G4/ Pygmy	56	0026931	ToLEDo V3 Non Dimmable Candle	33
0025041	Germicidal Compact	202	0026506	ToLEDo G9/ G4/ Pygmy	56	0026932	ToLEDo V3 Non Dimmable Candle	33
0025045	Germicidal Compact	202	0026534	RefLED Retro MR16	52	0026933	ToLEDo V3 Non Dimmable Candle	33
0025046	Germicidal Compact	202	0026535	RefLED Retro MR16	52	0026935	ToLEDo V3 Dimmable Candle	34
0025047	Germicidal Compact	202	0026546	RefLED Retro ES50	46	0026937	ToLEDo Non-dimmable Bent Tip Candle	35
0025048	Germicidal Compact	202	0026547	RefLED Retro ES50	46	0026939	ToLEDo Non-dimmable Bent Tip Candle	35
0025268	Blacklight BL368 Compact	189	0026565	RefLED Retro ES50	46	0026946	ToLEDo V3 Dimmable Ball	31
0025411	Blacklight BL368 Compact	189	0026566	RefLED Retro ES50	46	0026947	ToLEDo V3 Dimmable Ball	31
0025412	Blacklight BL368 Compact	189	0026590	RefLED PAR16 Non Dimmable	47	0026948	ToLEDo V3 Non Dimmable Ball	30
0025632	Lynx®-L	117	0026611	RefLED MR16 V3	51	0026949	ToLEDo V3 Non Dimmable Ball	30
0025633	Lynx®-L	117	0026612	RefLED MR16 V3	51	0026950	ToLEDo V3 Non Dimmable Ball	30
0025634	Lynx®-L	117	0026613	RefLED MR16 V3	51	0026954	ToLEDo V3 Non Dimmable Ball	30
0025635	Lynx® - LE	117	0026616	RefLED MR16 V3	51	0026955	ToLEDo V3 Non Dimmable Ball	30
0025636	Lynx® - LE	117	0026617	RefLED MR16 V3	51	0026956	ToLEDo V3 Non Dimmable Ball	30
0025656	Lynx®-L	117	0026620	RefLED Superia ES50 V2.1	37	0026971	ToLEDo V3 Dimmable Candle	34
0025657	Lynx®-L	117	0026621	RefLED Superia ES50 V2.1	37	0026972	ToLEDo V3 Non Dimmable Candle	33
0025658	Lynx®-L	117	0026622	RefLED Superia ES50 V2.1	37	0026973	ToLEDo V3 Non Dimmable Candle	33
0025659	Lynx® - LE	117	0026623	RefLED Superia ES50 V2.1	37	0026974	ToLEDo V3 Dimmable Ball	31
0025660	Lynx® - LE	117	0026624	RefLED Superia ES50 V2.1	37	0026975	ToLEDo V3 Dimmable Ball	31
0025663	Lynx®-L	117	0026625	RefLED Superia ES50 V2.1	37	0026976	ToLEDo V3 Non Dimmable Ball	30
0025664	Lynx® - LE	117	0026627	ToLEDo V3 Dimmable GLS	29	0026977	ToLEDo V3 Non Dimmable Ball	30
0025665	Lynx® - LE	117	0026628	ToLEDo V3 Non Dimmable GLS	28	0027052	ToLEDo Superia T8 Tube	59
0025682	Airfield Lynx-L	211	0026629	ToLEDo V3 Non Dimmable GLS	28	0027082	ToLEDo+ Tube	60
0025706	Blacklight BL368 Compact	189	0026632	ToLEDo V3 Non Dimmable GLS	28	0027109	ToLEDo Retro Dimmable GLS	18
0025708	Blacklight BL368 Compact	189	0026633	ToLEDo V3 Non Dimmable GLS	28	0027110	ToLEDo Retro Dimmable GLS	18, 26
0025709	Blacklight BL368 Compact	189	0026639	RefLED Superia ES50 V2.1 Dimmable	38	0027112	ToLEDo Retro Dimmable GLS	18, 26
0025710	Blacklight BL368 Compact	189	0026640	RefLED Superia ES50 V2.1 Dimmable	38	0027113	ToLEDo Retro Dimmable Candle	23
0025716	Blacklight BL368 Compact	189	0026641	RefLED Superia ES50 V2.1 Dimmable	38	0027115	ToLEDo Retro Dimmable Candle	23
0025881	Lynx® - S	116	0026642	RefLED Superia ES50 V2.1 Dimmable	38	0027117	ToLEDo Retro Dimmable	27
0025882	Lynx® - S	116	0026644	RefLED Superia ES50 V2.1 Dimmable	38	0027118	ToLEDo Retro Dimmable	27
0025883	Lynx® - S	116	0026645	RefLED Superia ES50 V2.1 Dimmable	38	0027119	ToLEDo Retro Dimmable	27
0025885	Lynx® - S	116	0026648	ToLEDo V3 Dimmable GLS	29	0027123	ToLEDo Retro Dimmable GLS	18
0025886	Lynx® - S	116	0026652	ToLEDo V3 Non Dimmable GLS	28	0027125	ToLEDo Retro Dimmable GLS	18
0025887	Lynx® - S	116	0026654	RefLED Superia ES50 V2.1 Dimmable	39	0027129	ToLEDo Retro Non-Dimmable GLS	17
0025888	Lynx® - S	116	0026655	RefLED Superia ES50 V2.1 Dimmable	39	0027131	ToLEDo Retro Non-Dimmable GLS	17
0025889	Lynx® - S	116	0026656	RefLED Superia ES50 V2.1 Dimmable	39	0027132	ToLEDo Retro Dimmable GLS	18
0025890	Lynx® - S	116	0026657	RefLED Superia ES50 V2.1 Dimmable	39	0027134	ToLEDo Retro Dimmable GLS	18
0025891	Lynx® - S	116	0026659	RefLED Superia ES50 V2.1 Dimmable	39	0027137	ToLEDo Retro Non-Dimmable GLS	17
0025898	Lynx® - SE	116	0026660	RefLED Superia ES50 V2.1 Dimmable	39	0027146	ToLEDo Retro Non-dimmable Globe G120	21
0025899	Lynx® - SE	116	0026666	ToLEDo Micro-Lynx GX53	57	0027147	ToLEDo Retro Non-dimmable Globe G120	21
0025900	Lynx® - SE	116	0026668	ToLEDo V3 Non Dimmable GLS	28	0027150	ToLEDo Retro Dimmable GLS	18
0025901	Lynx® - SE	116	0026670	ToLEDo V3 Non Dimmable GLS	28	0027154	ToLEDo Retro Non-Dimmable GLS	17
0025902	Lynx® - SE	116	0026672	ToLEDo V3 Non Dimmable GLS	28	0027156	ToLEDo Retro Non-Dimmable GLS	17
0025903	Lynx® - SE	116	0026674	ToLEDo V3 Non Dimmable GLS	28	0027157	ToLEDo Retro Non-Dimmable GLS	17
0025904	Lynx® - D Superia	115	0026675	ToLEDo V3 Non Dimmable GLS	28	0027159	ToLEDo Retro Non-Dimmable GLS	17
0025905	Lynx® - D Superia	115	0026676	ToLEDo V3 Dimmable GLS	29	0027160	ToLEDo Retro Non-Dimmable GLS	17
0025906	Lynx® - D Superia	115	0026677	ToLEDo V3 Dimmable GLS	29	0027162	ToLEDo Retro Non-Dimmable GLS	17
0025907	Lynx® - D Superia	115	0026679	ToLEDo V3 Non Dimmable GLS	28	0027163	ToLEDo Retro Non-Dimmable GLS	17
0025908	Lynx® - D Superia	115	0026682	ToLEDo V3 Non Dimmable GLS	28	0027166	ToLEDo Retro Dimmable ST64	26
0025909	Lynx® - D Superia	115	0026683	ToLEDo V3 Dimmable GLS	29	0027167	ToLEDo Retro Dimmable ST64	26
0025910	Lynx® - D Superia	115	0026686	ToLEDo V3 Non Dimmable GLS	28	0027168	ToLEDo Retro Dimmable Candle	23
0025911	Lynx® - D Superia	115	0026688	RefLED Reflector R50/ R63/ R80	55	0027170	ToLEDo Retro Non-dimmable Globe G80	21
0025912	Lynx® - D Superia	115	0026690	RefLED Reflector R50/ R63/ R80	55	0027171	ToLEDo Retro Non-dimmable Globe G80	21
0025913	Lynx® - D Superia	115	0026691	RefLED Reflector R50/ R63/ R80	55	0027173	ToLEDo Retro Non-dimmable Globe G80	21
0025914	Lynx® - D Superia	115	0026697	RefLED PAR Dimmable range	47	0027174	ToLEDo Retro Non-dimmable Globe G80	21
0025915	Lynx® - D Superia	115	0026709	RefLED PAR Dimmable range	47	0027175	ToLEDo Retro Non-dimmable ST64	25
0025918	Lynx® - DE Superia	115	0026716	RefLED PAR Dimmable range	47	0027176	ToLEDo Retro Dimmable ST64	26
0025919	Lynx® - DE Superia	115	0026780	ToLEDo Micro-Lynx GX53	57	0027177	ToLEDo Retro Non-dimmable ST64	25
0025920	Lynx® - DE Superia	115	0026781	ToLEDo Micro-Lynx GX53	57	0027178	ToLEDo Retro Dimmable ST64	26
0025921	Lynx® - DE Superia	115	0026783	ToLEDo Micro-Lynx GX53	57	0027180	ToLEDo Retro Non-Dimmable Candle	22
0025922	Lynx® - DE Superia	115	0026813	RefLED+ ES50 V2	40	0027182	ToLEDo Retro Non-Dimmable Candle	22
0025923	Lynx® - DE Superia	115	0026814	RefLED+ ES50 V2	40	0027183	ToLEDo Retro Non-dimmable Candle C35 Bent Tip	24
0025924	Lynx® - DE Superia	115	0026815	RefLED+ ES50 V2	40			
0025925	Lynx® - DE Superia	115	0026817	RefLED+ ES50 V2 Dimmable	41	0027208	RefLED+ MR16 V2 Dimmable	50
0025926	Lynx® - DE Superia	115	0026818	RefLED+ ES50 V2 Dimmable	41	0027209	RefLED+ MR16 V2 Dimmable	50
			0026819	RefLED+ ES50 V2 Dimmable	41	0027210	RefLED+ MR16 V2 Dimmable	50

Index

Item Code	Description	Page Number	Item Code	Description	Page Number	Item Code	Description	Page Number	
0027211	RefLED+ MR16 V2 Dimmable	50	0027465	RefLED ES50 V3	44	0035112	Mini-Lynx® Fast-Start	105	
0027212	RefLED+ MR16 V2 Dimmable	50	0027468	RefLED ES50 V3	44	0035113	Mini-Lynx® Fast-Start	105	
0027213	RefLED+ MR16 V2 Dimmable	50	0027469	RefLED ES50 V3	44	0035114	Mini-Lynx® Fast-Start	105	
0027226	RefLED+ ES50 V2 Dimmable	42	0027801	Lynx®-T	113	0035116	Mini-Lynx® Fast-Start	105	
0027227	RefLED+ ES50 V2 Dimmable	42	0027802	Lynx®-T	113	0035118	Mini-Lynx® Fast-Start	105	
0027228	RefLED+ ES50 V2 Dimmable	42	0027811	Lynx®-T	113	0035120	Mini-Lynx® Fast-Start	105	
0027236	ToLEDo Retro Non-Dimmable Ball	19	0027812	Lynx®-T	113	0035121	Mini-Lynx® Fast-Start	105	
0027238	ToLEDo Retro Non-Dimmable Ball	19	0027816	Lynx® - TE Amalgam	114	0035123	Mini-Lynx® Fast-Start	105	
0027240	ToLEDo Retro Non-Dimmable Ball	19	0027817	Lynx® - TE Amalgam	114	0035125	Mini-Lynx® Fast-Start	105	
0027244	ToLEDo Retro Non-Dimmable Ball	19	0027821	Lynx® - TE Amalgam	114	0035126	Mini-Lynx® Fast-Start	105	
0027246	ToLEDo Retro Non-Dimmable Ball	19	0027822	Lynx® - TE Amalgam	114	0035127	Mini-Lynx® Fast-Start	105	
0027248	ToLEDo Retro Non-Dimmable Ball	19	0027840	Lynx® - TE Amalgam	114	0035128	Mini-Lynx® Fast-Start	105	
0027249	ToLEDo Retro Dimmable Ball	20	0027842	Lynx® - TE Amalgam	114	0035130	Mini-Lynx® Fast-Start	105	
0027250	ToLEDo Retro Dimmable Ball	20	0027844	Lynx® - TE Amalgam	114	0035131	Mini-Lynx® Fast-Start	105	
0027251	ToLEDo Retro Dimmable Ball	20	0027845	Lynx® - TE Amalgam	114	0035132	Mini-Lynx® Fast-Start	105	
0027255	ToLEDo Retro Non-Dimmable Ball	19	0027851	Lynx® - TE FSD	114	0035134	Mini-Lynx® Fast-Start	105	
0027257	ToLEDo Retro Non-Dimmable Ball	19	0027852	Lynx® - TE FSD	114	0035136	Mini-Lynx® Fast-Start	105	
0027259	ToLEDo Retro Non-Dimmable Ball	19	0027854	Lynx® - TE FSD	114	0035137	Mini-Lynx® Fast-Start	105	
0027280	ToLEDo Retro Non-Dimmable Candle	22	0027855	Lynx® - TE FSD	114	0035138	Mini-Lynx® Fast-Start	105	
0027282	ToLEDo Retro Non-Dimmable Candle	22	0027857	Lynx® - TE FSD	114	0035202	Mini-Lynx® Fast-Start Spiro	107	
0027284	ToLEDo Retro Non-Dimmable Candle	22	0027858	Lynx® - TE FSD	114	0035203	Mini-Lynx® Fast-Start Spiro	107	
0027285	ToLEDo Retro Non-Dimmable Candle	22	0027860	Lynx® - TE FSD	114	0035204	Mini-Lynx® Fast-Start Spiro	107	
0027287	ToLEDo Retro Non-Dimmable Candle	22	0027861	Lynx® - TE FSD	114	0035205	Mini-Lynx® Fast-Start Spiro	107	
0027289	ToLEDo Retro Non-Dimmable Candle	22	0028324	Lynx®- D Superia	115	0035208	Mini-Lynx® Fast-Start Spiro	107	
0027290	ToLEDo Retro Dimmable Candle	23	0028325	Lynx®- D Superia	115	0035209	Mini-Lynx® Fast-Start Spiro	107	
0027292	ToLEDo Retro Dimmable Candle	23	0033004	Infra Red Reflector Incandescent lamps	208	0035210	Mini-Lynx® Fast-Start Spiro	107	
0027294	ToLEDo Retro Dimmable Candle	23	0033005	Infrared Reflector	200	0035212	Mini-Lynx® Fast-Start Spiro	107	
0027295	ToLEDo Retro Dimmable Candle	23	0033006	Infrared Reflector	200	0035213	Mini-Lynx® Fast-Start Spiro	107	
0027296	ToLEDo Retro Dimmable Candle	23	0033007	Infrared Reflector	200	0035215	Mini-Lynx® Fast-Start Spiro	107	
0027297	ToLEDo Retro Dimmable Candle	23	0033009	Infra Red Reflector Incandescent lamps	208	0035217	Mini-Lynx® Fast-Start Spiro	107	
0027298	ToLEDo Retro Dimmable Candle	23	0033010	Infra Red Reflector Incandescent lamps	208	0035219	Mini-Lynx® Fast-Start Spiro	107	
0027299	ToLEDo Retro Dimmable Candle	23	0033011	Infra Red Reflector Incandescent lamps	208	0035221	Mini-Lynx® Fast-Start Spiro	107	
0027305	ToLEDo Retro Dimmable Candle	23	0033012	Infra Red Reflector Incandescent lamps	208	0035222	Mini-Lynx® Fast-Start Spiro	107	
0027310	ToLEDo Retro Non-Dimmable GLS	17	0033013	Infra Red Reflector Incandescent lamps	208	0035223	Mini-Lynx® Fast-Start Spiro	107	
0027312	ToLEDo Retro Non-Dimmable GLS	17	0033014	Infra Red Reflector Incandescent lamps	208	0035224	Mini-Lynx® Fast-Start Spiro	107	
0027320	ToLEDo Retro Decorative Ring	26	0033015	Infra Red Reflector Incandescent lamps	208	0035225	Mini-Lynx® Fast-Start Spiro	107	
0027321	ToLEDo Retro Decorative Ring	26	0033016	Ruby Red Halogen lamps	204	0035301	Mini-Lynx® Compact Candle	110	
0027322	ToLEDo Retro Decorative Ring	26	0033017	Ruby Red Halogen lamps	204	0035303	Mini-Lynx® Compact Candle	110	
0027323	ToLEDo Retro Decorative Ring	26	0033018	Ruby Red Halogen lamps	204	0035305	Mini-Lynx® Compact Candle	110	
0027324	ToLEDo Retro Decorative Ring	26	0033019	Ruby Red Halogen lamps	204	0035307	Mini-Lynx® Compact Candle	110	
0027325	ToLEDo Retro Decorative Ring	26	0033020	Clear Quartz Halogen lamps	205	0035308	Mini-Lynx® Compact Candle	110	
0027326	ToLEDo Retro Non-Dimmable GLS	17	0033021	Clear Quartz Halogen lamps	205	0035309	Mini-Lynx® Compact Candle	110	
0027328	ToLEDo Retro Non-Dimmable GLS	17	0033022	Clear Quartz Halogen lamps	205	0035401	Mini-Lynx® Ball	109	
0027330	ToLEDo Retro Non-Dimmable GLS	17	0033023	Clear Quartz Halogen lamps	205	0035402	Mini-Lynx® Ball	109	
0027332	ToLEDo Retro Non-Dimmable Candle	22	0033024	Clear Quartz Halogen lamps	205	0035403	Mini-Lynx® Ball	109	
0027334	ToLEDo Retro Non-Dimmable Candle	22	0033025	Clear Quartz Halogen lamps	205	0035404	Mini-Lynx® Ball	109	
0027336	ToLEDo Retro Non-dimmable Candle	24	0033026	Clear Quartz Halogen lamps	205	0035406	Mini-Lynx® Ball	109	
0027338	ToLEDo Retro Non-dimmable Candle	24	0033027	Clear Quartz Halogen lamps	205	0035408	Mini-Lynx® Ball	109	
	0027350	ToLEDo Superia T8 Tube	59	0033028	Infra Red Cabin Halogen lamps	206	0035409	Mini-Lynx® Ball	109
	0027351	ToLEDo Superia T8 Tube	59	0033029	Infra Red Cabin Halogen lamps	206	0035501	Mini-Lynx® GLS	108
	0027352	ToLEDo Superia T8 Tube	59	0033030	Infra Red Cabin Halogen lamps	206	0035503	Mini-Lynx® GLS	108
	0027353	ToLEDo Superia T8 Tube	59	0033031	Infra Red Cabin Halogen lamps	206	0035505	Mini-Lynx® GLS	108
	0027354	ToLEDo Superia T8 Tube	59	0033032	Infra Red Cabin Halogen lamps	206	0035506	Mini-Lynx® GLS	108
	0027355	ToLEDo Superia T8 Tube	59	0033033	Infra Red Cabin Halogen lamps	206	0035508	Mini-Lynx® GLS	108
	0027356	ToLEDo Superia T8 Tube	59	0033034	Infra Red Cabin Halogen lamps	206	0035509	Mini-Lynx® GLS	108
	0027357	ToLEDo Superia T8 Tube	59	0033035	Gold Filter Halogen lamps	207	0035510	Mini-Lynx® GLS	108
	0027358	ToLEDo Superia T8 Tube	59	0033036	Gold Filter Halogen lamps	207	0035511	Mini-Lynx® Globe	111
	0027359	ToLEDo Superia T8 Tube	59	0033037	Gold Filter Halogen lamps	207	0035601	Mini-Lynx® Globe	111
	0027360	ToLEDo Superia T8 Tube	59	0033038	Gold Filter Halogen lamps	207	0035604	Mini-Lynx® Globe	111
	0027361	ToLEDo Superia T8 Tube	59	0033039	Gold Filter Halogen lamps	207	0035901	Micro-Lynx® F	112
	0027370	ToLEDo V3 T8 Tube	61	0033040	Infra Red Cabin Halogen lamps	206	0035902	Micro-Lynx® F	112
	0027371	ToLEDo V3 T8 Tube	61	0034201	PureSun HID	185	0035903	Micro-Lynx® F	112
	0027372	ToLEDo V3 T8 Tube	61	0034202	PureSun HID	185	0035904	Micro-Lynx® Luna	112
	0027373	ToLEDo V3 T8 Tube	61	0034210	PureSun HID	185	0035905	Micro-Lynx® Luna	112
	0027374	ToLEDo V3 T8 Tube	61	0034212	PureSun HID	185	0060500	PAR 36	174
	0027375	ToLEDo V3 T8 Tube	61	0034220	PureSun HID	185	0060503	PAR 36	174
	0027376	ToLEDo V3 T8 Tube	61	0034222	PureSun HID	185	0060508	PAR 36	174
	0027377	ToLEDo V3 T8 Tube	61	0034226	PureSun HID	185	0060509	PAR 56 Low Voltage	175
	0027380	ToLEDo+ Tube	60	0034227	PureSun HID	185	0060513	PAR 56 Mains Voltage	176
	0027381	ToLEDo+ Tube	60	0034228	PureSun HID	185	0060514	PAR 56 Mains Voltage	176
	0027386	ToLEDo+ Tube	60	0034251	PureSun HID	185	0060515	PAR 56 Mains Voltage	176
	0027387	ToLEDo+ Tube	60	0034260	PureSun HID	185	0060540	PAR 56 12V LED Swimming Pool	177
	0027388	ToLEDo+ Tube	60	0034300	PureSun HID	185	0060541	PAR 56 12V LED Swimming Pool	177
	0027389	ToLEDo+ Tube	60	0034303	PureSun HID	185	0060542	PAR 56 12V LED Swimming Pool	177
	0027390	ToLEDo+ Tube	60	0035001	Mini-Lynx® Home	106	0060543	PAR 56 12V LED Swimming Pool	177
	0027391	ToLEDo+ Tube	60	0035002	Mini-Lynx® Home	106	0060646	PAR 56 12V LED Swimming Pool	177
	0027400	Foodstar Meat - LED	155	0035003	Mini-Lynx® Home	106	0060884	Studio/Film Double Ended	170
	0027401	Foodstar Meat - LED	155	0035004	Mini-Lynx® Home	106	0061300	Capsule Lamps Low Voltage	168
	0027402	Foodstar Meat - LED	155	0035005	Mini-Lynx® Home	106	0061321	Studio/Film Double Ended	170
	0027403	Foodstar Meat - LED	155	0035007	Mini-Lynx® Home	106	0061494	Capsule Lamps Low Voltage	168
	0027427	RefLED ES50 V3	43	0035008	Mini-Lynx® Home	106	0061733	Stage/Theatre Single Ended	172
	0027428	RefLED ES50 V3	43	0035009	Mini-Lynx® Home	106	0061734	Capsule Lamps Mains Voltage	169
	0027432	RefLED ES50 V3	43	0035011	Mini-Lynx® Home	106	0061740	Dichroic Reflector 42/50 mm	
	0027433	RefLED ES50 V3	43	0035012	Mini-Lynx® Home	106		(MR 13/MR 16) GX5.3	167
	0027434	RefLED ES50 V3	43	0035013	Mini-Lynx® Home	106	0061741	Dichroic Reflector 42/50 mm	
	0027435	RefLED ES50 V3	43	0035015	Mini-Lynx® Home	106		(MR 13/MR 16) GX5.3	167
	0027440	RefLED ES50 V3 Dimmable	45	0035016	Mini-Lynx® Home	106	0061743	Dichroic Reflector 42/50 mm	
	0027442	RefLED ES50 V3 Dimmable	45	0035017	Mini-Lynx® Home	106		(MR 13/MR 16) GX5.3	167
	0027444	RefLED ES50 V3 Dimmable	45	0035018	Mini-Lynx® Home	106	0071180	PureSun - Gentle	184
	0027445	RefLED ES50 V3	43	0035019	Mini-Lynx® Home	106	0071181	PureSun - Gentle	184
	0027447	RefLED ES50 V3	43	0035101	Mini-Lynx® Fast-Start	105	0071182	PureSun - Gentle	184
	0027448	RefLED ES50 V3	43	0035102	Mini-Lynx® Fast-Start	105	0071201	PureSun - Gentle	184
	0027451	RefLED ES50 V3 Dimmable	45	0035103	Mini-Lynx® Fast-Start	105	0071214	PureSun - Gentle	184
	0027452	RefLED ES50 V3 Dimmable	45	0035104	Mini-Lynx® Fast-Start	105	0071217	PureSun - Gentle	184
	0027455	RefLED ES50 V3	43	0035106	Mini-Lynx® Fast-Start	105	0071221	PureSun - Hot	183
	0027456	RefLED ES50 V3	43	0035108	Mini-Lynx® Fast-Start	105	0071223	PureSun - Hot	183
	0027461	RefLED ES50 V3	43	0035111	Mini-Lynx® Fast-Start	105	0071226	PureSun - Hot	183
	0027462	RefLED ES50 V3	44						
	0027463	RefLED ES50 V3	44						
	0027464	RefLED ES50 V3	44						

Item Code	Description	Page Number	Item Code	Description	Page Number	Item Code	Description	Page Number
0071234	PureSun – Gentle	184						
0071237	PureSun - Hot	183						
0071245	PureSun - Hot	183						
0071258	PureSun - Hot	183						
0071264	PureSun - Hot	183						
0071267	PureSun – Gentle	184						
0071274	PureSun – Gentle	184						
0071275	PureSun – Gentle	184						
0071281	PureSun – Gentle	184						
0071283	PureSun - Hot	183						
0071284	PureSun - Hot	183						
0071285	PureSun - Hot	183						
0071299	PureSun – Gentle	184						
0071301	PureSun – Gentle	184						
0071302	PureSun – Gentle	184						
0071307	PureSun - Hot	183						
0071318	PureSun - Hot	183						
0071319	PureSun - Hot	183						
0071320	PureSun – Gentle	184						
0073009	PureSun – Gentle	184						
0073012	PureSun – Gentle	184						
0073014	PureSun - Hot	183						
7220168	BriteArc Single Ended Non Hot Restrike	159, 164						
7220169	BriteArc Single Ended Non Hot Restrike	159, 164						
9000526	Germicidal Linear	201						
9020167	PAR 36	174						
9023401	Pulsed Xenon	165						
9023475	Pulsed Xenon	165						
9060822	Studio/Film Double Ended	170						
9060943	Dichroic Reflector 42/50 mm (MR 13/MR 16) GX5.3	167						
9061109	PAR 64 Mains Voltage	178						
9061116	Studio/Film Single Ended	171						
9061118	Studio/Film Single Ended	171						
9061119	Studio/Film Single Ended	171						
9061121	Studio/Film Single Ended	171						
9061122	Studio/Film Single Ended	171						
9061126	Studio/Film Single Ended	171						
9061127	PAR 64 Mains Voltage	178						
9061128	PAR 64 Mains Voltage	178						
9061147	PAR 64 Mains Voltage	178						
9061148	PAR 64 Mains Voltage	178						
9061168	Capsule Lamps Mains Voltage	169						
9061545	Stage/Theatre Single Ended	172						
9061548	Stage/Theatre Single Ended	172						

EUROPE

Head Office

London
T. +44 (0) 20 7011 9700
info.eu@feilosylvania.com

Belgium

Antwerp
T. +32 (0)3 610 44 44
F. +32 (0)3 610 44 57
info.be@feilosylvania.com

Croatia, Slovenia, BiH, Serbia and Montenegro

Zagreb
T. +385 98 251969
info.hr@feilosylvania.com

Czech Republic and Slovakia

Bratislava
T. +421 911 236 435
info.cz@feilosylvania.com

Estonia, Latvia, Lithuania

Budapest
T. +36 1 888 0639
info.bal@feilosylvania.com

Denmark

Copenhagen
T. +46 8 556 322 00
F. +46 8 556 322 10
info.se@feilosylvania.com

Finland

Helsinki
T. +358 (0)9 5421 2100
info.fi@feilosylvania.com

France

Paris
T. +33 (0)1 55 51 11 00
F. +33 (0)1 55 51 11 08
info.fr@feilosylvania.com

Germany and Austria

Erlangen
T. +49 9131 793 0
F. +49 9131 793 345
info.de@feilosylvania.com

Greece

Athens
T. +30 210 996 65 61
F. +30 210 996 90 29
info.gr@feilosylvania.com

Hungary

Budapest
T. +36 1 888 0639
info.hu@feilosylvania.com

Italy

Milan
T. +39 02 24 12 58 11
F. +39 02 24 12 58 80
info.it@feilosylvania.com

Netherlands

Breda
T. +31 (0)76 750 44 44
info.nl@feilosylvania.com

Norway

Oslo
T. +46 8 556 322 00
F. +46 8 556 322 10
info.no@feilosylvania.com

Poland

Warsaw
T. +48 728 888 277
info.pl@feilosylvania.com

Portugal

Lisbon
T. +351 21 793 77 36/37
F. +351 21 793 77 38
info.pt@feilosylvania.com

Romania / Bulgaria

Bucharest
T. +40 (0) 720 724 647
info.ro@feilosylvania.com

Russia

Moscow
T. +7 495 935 70 48
F. +7 495 937 70 08
info.ru@feilosylvania.com

Spain

Madrid
T. +34 91 669 90 00
F. +34 91 673 73 64
info.es@feilosylvania.com

Sweden

Stockholm
T. +46 8 556 322 00
F. +46 8 556 322 10
info.se@feilosylvania.com

Switzerland

Zurich
T. +41 44305 31 80
F. +41 44305 31 81
info.ch@feilosylvania.com

UK

Newhaven
T. +44 (0) 800 440 2478
F. +44 (0) 1273 512688
info.uk@feilosylvania.com

MIDDLE EAST

United Arab Emirates

Dubai
T. +971 4 2998141
F. +971 4 2998142
info.ae@feilosylvania.com

AFRICA

South Africa

Johannesburg
T. +27 (0)11 462 0251
F. +27 (0)11 462 7399
sales.sa@feilosylvania.com

ASIA

China

Guangzhou
T. +86 20 3815 1138
F. +86 20 3869 7572
info.cn@feilosylvania.com

Malaysia

Kuala Lumpur
T. +603 2031 8788
F. +603 2031 4788
info.my@feilosylvania.com

Vietnam

Hanoi
T. +844 37 151 604
F. +844 37 151 605
info.vn@feilosylvania.com

AMERICAS

Argentina, Bolivia, Chile, Paraguay, Peru, Uruguay

Buenos Aires
T. +54 11 4546 4200
F. +54 11 4546 4228
info.ar@feilosylvania.com

Caribbean

Honduras, Nicaragua
San José
T. +506 22 107 678
F. +506 22 328 723
info.cr@feilosylvania.com

Colombia

Santafé de Bogota
T. +57 1 782 5200
F. +57 1 719 9621
info.co@feilosylvania.com

Costa Rica

T. +506 22 107 678
F. +506 22 200 338
info.cr@feilosylvania.com

Ecuador

Quito
T. +593 2 281 0773
F. +593 2 281 0007
info.ec@feilosylvania.com

El Salvador

San Salvador
T. +503 2239 2239
F. +503 2284 9670
info.sv@feilosylvania.com

Guatemala

Guatemala City
T. +502 2387 5300
F. +502 2387 5301
info.gt@feilosylvania.com

Mexico

Mexico D.F.
T. +52 55 4627 5500
F. +52 55 5387 7671
marketing@feilo-sli.com.mx

Panama

Panama City
T. +507 236 1000
F. +507 236 1315
info.pa@feilosylvania.com

Venezuela

Caracas
T. +58 212 381 0452
F. +58 212 381 0350
info.ve@feilosylvania.com