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## Lamps and luminaires for residential lighting

Consumer catalogue 2012/13

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# Your global partner for full spectrum lighting solutions

We are Havells Sylvania, one of the world's major lighting groups for more than a century. We strive to improve the way people live by enabling them to enjoy better lighting in a more sustainable manner. Today, we continue to build on our exceptional reputation as an innovator and creator of high-efficiency, energy-saving, light sources and luminaires, by providing full spectrum lighting solutions tailored to individual needs.

Manufacturing lamps and light fittings for over 100 years, Sylvania is a leading brand that is known and respected by professionals (installers, electrical contractors, project managers, architects etc.) for the quality and performance of its products.



Since March 2007, Sylvania has been part of the Havells India Ltd industrial group, one of the major manufacturers of electrical components and equipment in India. Today, the Havells Sylvania Group markets its lighting products under the Sylvania, Concord and Lumiance brand names which meet the strictest requirements in terms of lighting quality and energy efficiency.

For each lamp technology, Havells Sylvania has established specific centres of excellence whose objective is the design, development and production of innovative products that are responsive to the ever-changing market.

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Our three main brands – Concord, Lumiance and Sylvania – concentrate strengths in innovative product design, engineering and production, plus application expertise, in their specialised areas of activity: high-end architectural, decorative and functional professional lighting respectively.

Our 2007 acquisition, by Havells India Ltd, gives us the financial strength and resources to significantly expand and improve the business. The group, which has 94 branches and representative offices and 8,000 staff in more than 50 countries, has grown rapidly to become a US\$ 1.2 billion company with 18 manufacturing plants in India, Europe, Latin America and Africa, producing globally acclaimed products such as switchgear, cables, wiring devices and lighting.

ERLANGEN (Germany) for fluorescent tubes



TIENEN (Belgium) for low and standard voltage halogen lamps, discharge lamps and LED lamps



NEEMRANA (India) for compact fluorescent lamps



# A Retail Solution

The lighting category can be a confusing experience for a consumer with the numerous products and differing technologies. At Sylvania, we offer more to retailers than just great innovative products – it's our category management that stands us out against our competitors.



Our many years of lighting experience allows us to understand how a consumer shops the category. The basis of all is market research with the consumer. We apply the findings across a range of applications from online to packaging

## Packaging

Our packaging concept has been researched to suit consumer needs, with clear visual language and easily understandable symbols. All the portfolio is available in colour box/sleeves but a large amount of the portfolio is available in hanging blisters.



## Promotions

Sylvania has a range of eye-catching displays available from counter displays to floor standing displays. Designed to be compact and with a minimum footprint these displays are ideal all year round.



## Point of Sale

To make the point of sale work - you need to simplify the information and highlight the key decision drivers. This allows the consumer to choose the right products quickly and easily. We can create planograms which will allow you to visualise how the display will look. We can also provide bus stops, counter top displays and floor graphics to highlight the features and benefits of the product.



## Retailer Support

We can provide in-store or online training for your staff so they are confident in selling any lamp. We have web tools such as energy calculators, photometric charts and lamp safety information. We can also create bespoke leaflets with additional information about Sylvania lamps



# Understanding the characteristics of a lamp

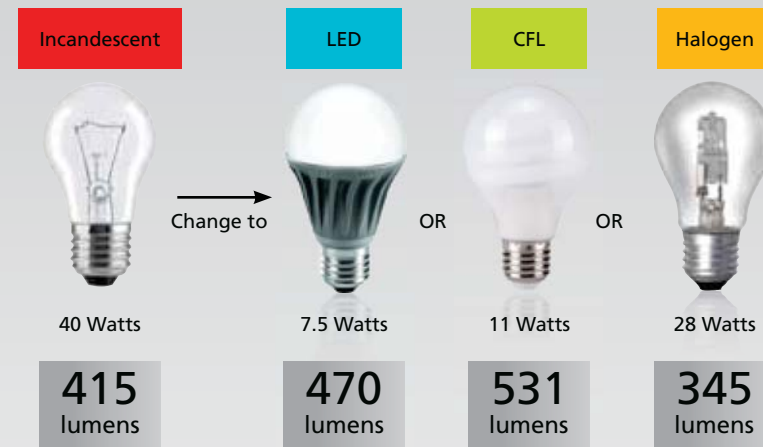
Lamps are available in a wide range of shapes, sizes and technologies. The key characteristics for a lamp are highlighted below on these pages - each technology will perform differently and it is important to understand the characteristics of a lamp and how each technology can be compared against them.



## Power in watt (w)

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, therefore, the wattage is no longer as meaningful. The lumen value is now used instead.

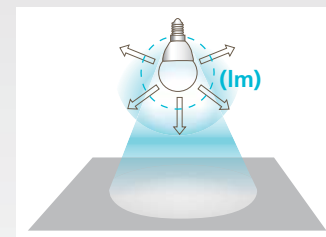
## Watts to Lumen examples



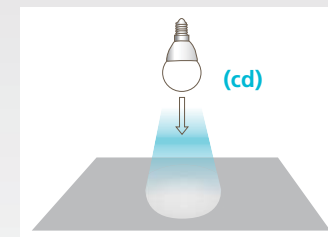
## Lumens (lm)

The photometric unit of luminous flux. Luminous flux is a measure of the total quantity of visible radiation emitted in all directions, which is weighted to take account of the sensitivity of the human eye to different colours.

## Lumen example



## Candela example



## 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.

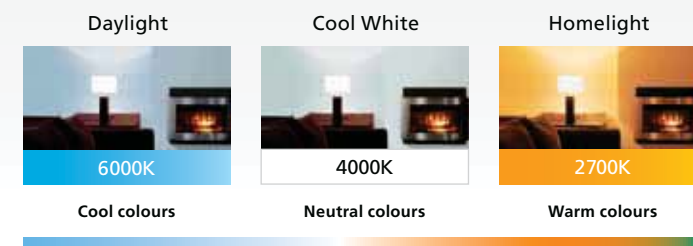
## Instant Light

A common issue with many CFL lamps is that the full light output takes some time to achieve with an unpleasant flicker or switch delay. Instant light means that the lamp illuminates instantly (<0.3 seconds) and achieves full illuminous flux in under one minute.

## Colour temperature in kelvins (K)

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 the Kelvin (K). Sylvania LED lamps are offered in colour temperatures of 2500-2700K (extra warm, similar to incandescent), 3000K (warm white, similar to halogen), 4000K (neutral white) and 6000K (daylight).

## Kelvins example



## 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.

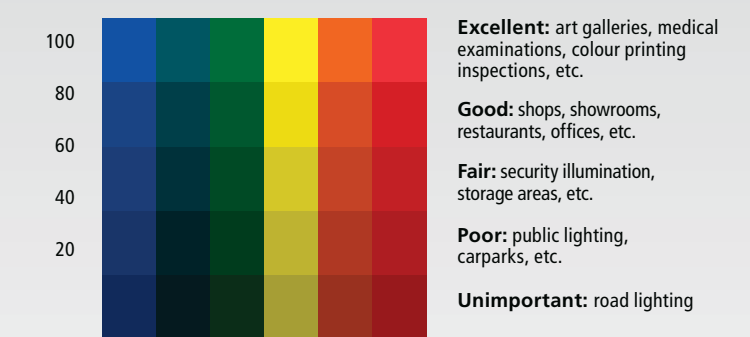
## Beam angle examples



## 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 better the quality.

## CRI Guide



## Expected lamp life

### Average service life

"10,000 hours" means that, out of a sample of lamps, 50% of them will still be operating at the end of 10,000 hours.

### Economic lifespan

This is the operational lifetime after which the lamp may be considered to be uneconomic – an important factor for maintenance. The lamp will still work but its light output is so reduced that the illumination level of the installation is well below the tolerance threshold.

## Dimmability

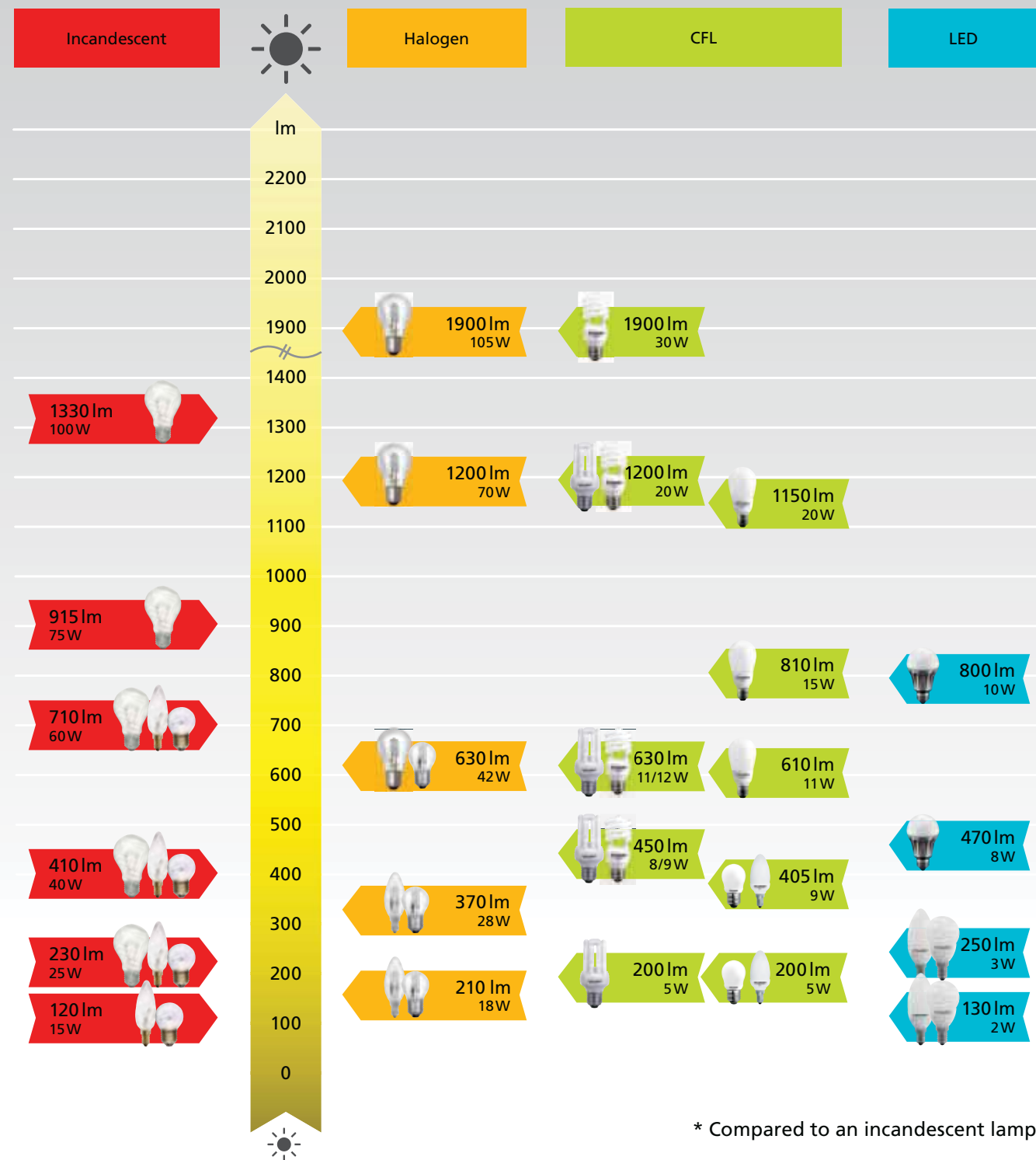
Most conventional dimmers have been designed for incandescent and halogen lamps and are therefore rated for higher minimum loads than many LED or CFL lamps consume. There may therefore be some restrictions in terms of functionality of dimmers with individual LEDs/CFLs - but when more than one lamp is used to increase the total of loading, dimming becomes easier. It is important to check if the particular LED or CFL lamp can be dimmed.

## Base Types



# Energy and Light Comparisons\*

Lamp	Energy Usage/Rating	Lamp	Energy Usage/Rating	Lamp	Energy Usage/Rating	Lamp	Energy Usage/Rating
Incandescent	HIGH F	Halogen	UPTO -30% C	CFL	UPTO -80% A	LED	UPTO -90% A
<ul style="list-style-type: none"> <li>Very high energy consumption</li> <li>Short life</li> </ul>	<ul style="list-style-type: none"> <li>Excellent enhancement of colours and contrasts (CRI=100)</li> <li>Expected life time x2</li> <li>Instant, full light output when switched on</li> <li>Fully dimmable</li> </ul>	<ul style="list-style-type: none"> <li>Flicker-free Fast-Start</li> <li>Expected life time x10</li> <li>Reduced energy consumption</li> </ul>	<ul style="list-style-type: none"> <li>Instant, full light output when switched on</li> <li>Unlimited on/off switching (using time switches)</li> <li>Exceptionally long operating life x25</li> <li>No UV or IR radiation</li> </ul>				



# Lighting technologies

Lighting technologies have advanced significantly in the last few years - incandescent lamps are being phased out in favour of more energy efficient technologies such as LED or CFL. Please see the chart below which compares the key characteristics of each technology.

## LED

The longest lasting light

Energy Saving	★★★★★
Lamp Life	★★★★★
Dimming	★★★
Instant Light	★★★★★
Investment Return	★★★★★



## CFL

The most cost-efficient light

Energy Saving	★★★★
Lamp Life	★★★★
Dimming	-
Instant Light	★★★
Investment Return	★★★



## Halogen

The most attractive light

Energy Saving	★★
Lamp Life	★★
Dimming	★★★★★
Instant Light	★★★★★
Investment Return	★★





## LED Lamps



Innovation.  
Energy efficiency.  
Long life.

### The longest lasting light

LEDs are becoming ever more efficient and versatile for general lighting and accent illumination. They are now the ideal solution when service life and maintenance costs are the main selection criteria, but the LED technology has now improved to offer the same warm and quality light offered from halogen lamps.

Recent technological developments are opening up new prospects for both professional and domestic applications. No lighting installation is designed today without LEDs.

Available in a wide selection of decorative shapes and cap fittings, the Sylvania range enables direct and instant replacement of incandescent lamps and halogen spotlights.

did you know...



Sylvania produced the very first LED Hi-Spot 350lm that could fully replace a 50W Hi-Spot Halogen

# LED Lamps

## The Technology Of The Future

Sylvania LED lamps distribute a warm soothing light the moment they are switched on.

Their unique design guarantees optimum heat dissipation and complete insulation of the metal casing thus increasing their reliability even when used in humid conditions.

Sylvania LED lamps have a very high light output and provide a real alternative to all types of lighting.



# HI-SPOT® RefLED ES50 GU10

The new HI-SPOT® RefLED ES50 GU10 350lm LED lamp, a true LED retrofit replacement for the 50W Halogen GU10 and GZ10. The innovative design strikes a perfect balance between the heat sink size requirements and the space between the cooling fins to achieve clear air circulation and effective heat evacuation. The result is a smaller, lighter lamp, delivering 350 lumen output, setting a new benchmark for LEDs.



The first true 50W Halogen Retrofit

- Innovation
- Cost control
- Energy efficiency

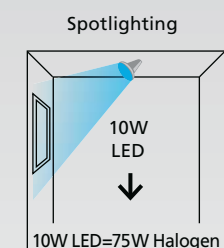
### Technical advantages

- Instant, full light output when switched on
- Low energy consumption
- Long Life (Hi-Spot RefLED has 25 years or 25,000 hours)
- Unlimited number of switching cycles
- Optimum heat dissipation
- Vibration resistant
- No loss of output at low temperatures
- Very low maintenance costs
- No UV or IR radiation
- Compliance with the most stringent safety standards
- Compact size to facilitate replacement of power-hungry lamps

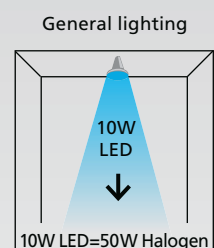
### More light, less energy.

Enables up to 90% energy savings compared to halogen and incandescent technologies.

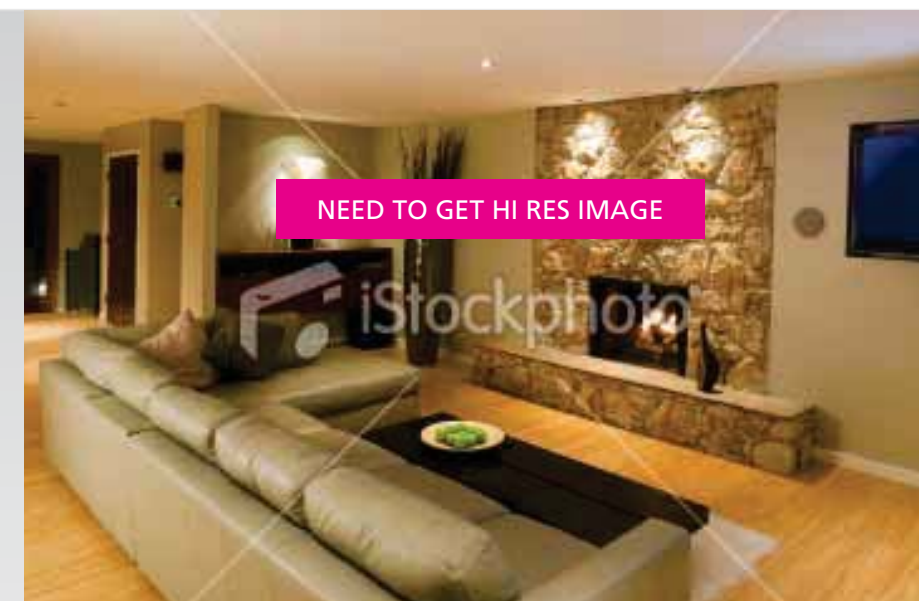
See page 8 for detailed energy ratings



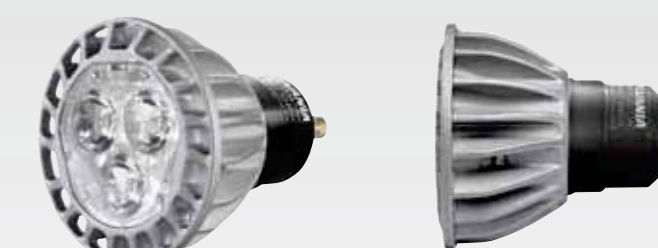
You can use them for accent lighting (equivalent to a PAR 30 75W lamp).



You can use them for general downlighting (similar to a PAR 20 50W halogen lamp)



NEED TO GET HI RES IMAGE



**£355**  
Savings per year  
for 10 lamps



Lumen and halogen wattage equivalent

- 65W → 450lm
- 50W → 350lm
- 35W → 230lm

### Key features

- 7.5W, the first true 50W Halogen retrofit
- Up to 85% of energy savings
- As per IEC standard dimensions, its compact size means it can retrofit all GU10 and GZ10 type luminaires
- Beam angles of 25° and 40°
- Available in different colour temperatures: 2700K homelight,
- 3000K warm white and 4000K cool white
- Up to 51lm/w in cool white
- High light output: 350lm
- Long lifetime, more than 25,000 hours
- High power factor of 0.8
- Made in Tienen Belgium, ensuring you of European craftsmanship

The HI-SPOT® RefLED ES50 GU10 350lm is available in 2700K Homelight, 3000K Warm white and 4000K Cool white colours with a beam angle of either 25° or 40°; the 25° delivers 1200 candela, and the 40° delivers 600 candela in the warm white colour temperatures. Furthermore, the new HI-SPOT® RefLED ES50 GU10 350lm LED lamp beats market standards by offering an exceptionally high power factor of 0.8; making it extremely efficient in converting input power (VA) into output.

From Lux Magazine (UK)



### RECOMMENDS

We love this lamp. It's the first true LED replacement for GU10 halogen that we've seen (and we've seen a few). It hits all the numbers and the beam quality is awesome. A stunning achievement we recommend without reservation.







# Ordering Guide for LEDs

## ToLEDo

The innovative answer to the prehistoric light bulb. A satin glass bulb ensures soft warm light. The real alternative for decorative applications especially chandeliers.

### ToLEDo Candle

- Light output up to 250 lumens
- Compact design fits all existing luminaires
- Warm colour temperature 2500-2700K
- Long life (15,000 hours)
- Uniform light distribution and instant start



## MicroLynx LED and ToLEDo Tubes

MicroLynx LED compact design makes it the ideal energy saving cabinet lamp. ToLEDo LED tubes are the perfect retro-fit for linear fluorescent T8 tubes. The tubes contain a satin cover to reduce glare and with the extra long life of 40,000 hours - maintenance costs are reduced.

### MicroLynx LED

- Compact size: 25mm (H) x 76mm (Dia.)
- High lumen output: 250lm (3000K)
- Comes in 2700K Homelight, 3000K
- Warmwhite, 4000K Cool White and
- 6000K Daylight
- Very long life: 15,000 hours
- Instant start
- Comes in clear or satin finish



MicroLynx LED

Code	Description	Packaging	Base	Wattage	Lumen	Colour in K	Life (Hrs)	Voltage Range	Unit Qty	Barcode
------	-------------	-----------	------	---------	-------	-------------	------------	---------------	----------	---------

#### ToLEDo Candle & Bent tip

0026304	ToLEDo Home Candle 1,5W CI E14 B	Blister	E14	1.5	60	2700	15000	220-240V	10	5410288263045
0026326	ToLEDo Home Twisted Candle 1,5W C E14 B	Blister	E14	1.5	60	2700	15000	220-240V	10	5410288263267
0026701	ToLEDo Home Bent Tip 1,5W E14 B	Blister	E14	3.0	90	2700	15000	220-240V	10	5410288267012
0026157	ToLEDo Candle Satin 2,5W E14	Blister	E14	2.5	130	2600	15000	220-240V	10	5410288261577
0026161	ToLEDo Bent Tip 2,5W Satin E14 B	Blister	E14	2.5	130	2600	15000	220-240V	10	5410288261614
0026294	ToLEDo Candle 3W Satin E14	Blister	E14	3.0	250	2500	15000	220-240V	10	5410288262949
0026296	ToLEDo Bent Tip 3W Satin E14	Blister	E14	3.0	250	2500	15000	220-240V	10	5410288262963
0026154	ToLEDo Candle 3W Clear E14	Box	E14	3.0	90	2700	15000	100-250V	10	5410288261546
0026158	ToLEDo Bent Tip 3W CI E14	Box	E14	3.0	90	2700	15000	100-250V	10	5410288261584
0026156	ToLEDo Candle Satin 2,5W E14	Box	E14	2.5	130	2600	15000	220-240V	10	5410288261560
0026160	ToLEDo Bent Tip 2,5W Satin E14 S	Box	E14	2.5	130	2600	15000	220-240V	10	5410288261607
0026293	ToLEDo Candle 3W Satin E14	Box	E14	3.0	250	2500	15000	220-240V	10	5410288262932
0026295	ToLEDo Bent Tip 3W Satin E14	Box	E14	3.0	250	2500	15000	220-240V	10	5410288262956

#### ToLEDo GLS E27

0026681	ToLEDo GLS 7,5W E27	Blister	E27	7.5	470	2700	15000	200-250V	6	5410288266817
0026739	ToLEDo GLS 10,5W E27	Blister	E27	10.5	806	2700	15000	220-240V	6	5410288267395
0026741	ToLEDo GLS 10,5W B22	Blister	B22	10.5	806	2700	15000	220-240V	6	5410288267418
0026151*	ToLEDo GLS A60 5w Clear E27	Blister	E27	5.0	200	2700	15000	100-250V	10	5410288261515
0026513	ToLEDo GLS 5W E27	Blister	E27	5.0	250	2700	15000	200-250V	6	5410288265131
0026680	ToLEDo GLS 7,5W E27	Box	E27	7.5	470	2700	15000	200-250V	6	5410288266800
0026737	ToLEDo GLS 10,5W E27	Box	E27	10.5	806	2700	15000	200-250V	6	5410288267371
0026717	ToLEDo GLS 5W B22	Box	B22	5.0	250	2700	15000	200-250V	6	5410288267173
0026719	ToLEDo GLS 7,5W B22	Box	B22	7.5	470	2700	15000	200-250V	6	5410288267197
0026740	ToLEDo GLS 10,5W B22	Box	B22	10.5	806	2700	15000	220-240V	6	5410288267401
0026150*	ToLEDo GLS A60 5w Clear E27	Box	E27	5.0	200	2700	15000	100-250V	10	5410288261508
0026512	ToLEDo GLS 5W E27	Box	E27	5.0	250	2700	15000	200-250V	6	5410288265124

#### ToLEDo G60 E27

0026425	ToLEDo G60 3W Satin E27	Blister	E27	3.0	250	2500	15000	220-240V	10	5410288264257
0026911	ToLEDo G60 5W 470LM	Blister	E27	5.0	470	2700	15000	220-240V	10	5410288269115
0026323	ToLEDo G60 3W Satin E27	Box	E27	3.0	250	2500	15000	220-240V	10	5410288263236
0026910	ToLEDo G60 5W 470LM	Box	E27	5.0	470	2500	15000	220-240V	10	5410288269108

#### ToLEDo G95 E27 satin

0026523	ToLEDo GLOBE G95 9W	Blister	E27	9.0	470	2700	25000	220-240V	6	5410288265230
0026522	ToLEDo GLOBE G95 9W	Box	E27	9.0	470	2700	25000	220-240V	6	5410288265223

\*Available until depletion of stock

Code	Description	Packaging	Base	Wattage	Lumen	Colour in K	Life (Hrs)	Voltage Range	Unit Qty	Barcode
------	-------------	-----------	------	---------	-------	-------------	------------	---------------	----------	---------

#### MicroLynx LED

0026664	MicroLynx LED 4W Clear 2700K	Box	GX53	4.0	220-240V	2700	15000	220-240V	6	5410288266640
0026780	MicroLynx LED 4W Clear 3000K	Box	GX53	4.0	220-240V	3000	15000	220-240V	6	5410288267807
0026781	MicroLynx LED 4W Clear 4000K	Box	GX53	4.0	220-240V	4000	15000	220-240V	6	5410288267814
0026830	MicroLynx LED 4W Clear 6000K	Box	GX53	4.0	220-240V	6000	15000	220-240V	6	5410288268309
0026782	MicroLynx LED 4W Frosted 2700K	Box	GX53	4.0	220-240V	2700	15000	220-240V	6	5410288267821
0026783	MicroLynx LED 4W Frosted 3000K	Box	GX53	4.0	220-240V	3000	15000	220-240V	6	5410288267838
0026666	MicroLynx LED 4W Frosted 4000K	Box	GX53	4.0	220-240V	4000	15000	220-240V	6	5410288266664
0026831	MicroLynx LED 4W Frosted 6000K	Box	GX53	4.0	220-240V	6000	15000	220-240V	6	5410288268316

#### LED ToLEDo Tubes

0027005	ToLEDo Tube 2Ft 10W 3000K	Box	G13	10.0	760	3000	40000	220-240V	20	5410288270050
0027006	ToLEDo Tube 2Ft 10W 4000K	Box	G13	10.0	760	4000	40000	220-240V	20	5410288270067
0027007	ToLEDo Tube 2Ft 10W 6500K	Box	G13	10.0	800	6500	40000	220-240V	20	5410288270074
0027008	ToLEDo Tube 3Ft 15w 4000K	Box	G13	15.0	1200	4000	40000	220-240V	20	5410288270081
0027009	ToLEDo Tube 4Ft 3000K	Box	G13	20.0	1600	3000	40000	220-240V	20	5410288270098
0027010	ToLEDo Tube 4Ft 4000K	Box	G13	20.0	1600	4000	40000	220-240V	20	5410288270104
0027011	ToLEDo Tube 4Ft 6500K	Box	G13	23.0	1680	6500	40000	220-240V	20	5410288270111
0027012	ToLEDo Tube 5Ft 4000K	Box	G13	23.0	1800	4000	40000	220-240V	20	5410288270128
0027013	ToLEDo Tube 6Ft 4000K	Box	G13	23.0	1800	4000	40000	220-240V	20	5410288270135



## Compact Fluorescent Lamps



Ease of use.  
Energy saving.  
Light quality.

### The cost-efficient light

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.

They are the result of traditional fluorescent lamp making skills which, when combined with an integral state of the art electronic ballast and starter circuit create a range of retrofit lamps that directly replace incandescent mains voltage filament lamps.



Sylvania uses amalgam in most of its lamps, which provides a more eco-friendly alternative.

did you know...



Sylvania has the unique CFL T2 Lamps Range





# Ordering Guide for CFL

## Mini-Lynx Reflector, PAR, and Micro-Lynx

Compact fluorescent technology can be found behind the frosted lamp covers, making it more energy efficient than its halogen alternative. Small in size, they are effective for use as a spotlight or recessed light in place of a standard incandescent reflector.

### Mini-Lynx Reflectors

- Low heat emission compared to halogen
- 10,000 hours life
- Flicker-free start in under 2 seconds
- 60 seconds to 60% light output



Available in 5W, 9W, 15W and 20W

## Lynx

Compact fluorescent lamps are available without integral ballast, for use in traditional magnetic ballast fixtures or in the new generation of high efficiency, electronic ballast, downlights and luminaires. The Lynx range offers a comprehensive range of light source applications for diverse applications such as shops, offices, signs or low battery drain emergency lighting units.

### Lynx S

- U shaped tube and a 2 pin base which incorporates the starter and capacitor
- Excellent colour rendering - Ra85/Class 1B
- For use with magnetic ballast
- Light output of up to 900lm
- Two colour temperatures: 2700K and 4000K
- Long life (10,000 hours)



Code	Description	Packaging	Base	Wattage	Lumen	Colour in K	Life (Hrs)	Voltage Range	Unit Qty	Barcode
<b>Mini-Lynx Reflectors GU10</b>										
0031048	ML Reflector GU10 9W 827	Blister	GU10	9	235	2700	8000	230-240V	10	5410288310480
0031050	ML Reflector GU10 11W 827	Blister	GU10	11	265	2700	8000	230-240V	10	5410288310503
0031049	ML Reflector GU10 9W 827	Box	GU10	9	235	2700	8000	230-240V	10	5410288310497
0031051	ML Reflector GU10 11W 827	Box	GU10	11	265	2700	8000	230-240V	10	5410288310510
0031053	ML Reflector GU10 11W 840	Box	GU10	11	265	4000	8000	230-240V	10	5410288310534
<b>Mini-Lynx Reflectors</b>										
0031106	ML Reflector R63 9W 827 E14	Blister	E14	9	270	2700	10000	230-240V	10	5410288311063
0031108	ML Reflector R63 9W 827 E27	Blister	E27	9	270	2700	10000	230-240V	10	5410288311081
0031114	ML Reflector R63 20W 827 E27	Blister	E27	20	675	2700	10000	230-240V	10	5410288311145
0031107	ML Reflector R63 9W 827 E14	Box	E14	9	270	2700	10000	230-240V	10	5410288311074
0031109	ML Reflector R63 9W 827 E27	Box	E27	9	270	2700	10000	230-240V	10	5410288311098
0031115	ML Reflector R63 20W 827 E27	Box	E27	20	675	2700	10000	230-240V	10	5410288311159
0031113	ML Reflector R80 15W 827 E27	Box	E27	15	645	2700	10000	230-240V	10	5410288311135
0031115	ML Reflector R80 20W 827 E27	Box	E27	20	675	2700	10000	230-240V	10	5410288311159
<b>Mini-Lynx PAR</b>										
0031468	ML PAR 30 15W E27 827	Box	E27	20	700	2700	10000	230-240V	10	5410288314686
0031470	ML PAR 38 20W E27 827	Box	E27	23	1200	2700	10000	230-240V	10	5410288314709
0060535	ML PAR 38 20W E27 RED	Box	E27	23			10000	230-240V	10	5410288605357
0060536	ML PAR 38 20W E27 GREEN	Box	E27	23			10000	230-240V	10	5410288605364
0060537	ML PAR 38 20W E27 YELLOW	Box	E27	23			10000	230-240V	10	5410288605371
0060538	ML PAR 38 20W E27 BLUE	Box	E27	23			10000	230-240V	10	5410288605388
<b>Micro-Lynx Luna</b>										
0025477	Micro-Lynx Luna 6W 830	Box	GX53	6	235	3000	10000	230-240V	20	5410288254777
0025478	Micro-Lynx Luna 6W 840	Box	GX53	6	235	4000	10000	230-240V	20	5410288254784
<b>Micro-Lynx F</b>										
0025214	Micro-Lynx F 6W 827	Box	GX53	6	220	2700	8000	230-240V	20	5410288252148
0025218	Micro-Lynx F 6W 830	Box	GX53	6	220	3000	8000	230-240V	20	5410288252186
0025219	Micro-Lynx F 6W 840	Box	GX53	6	220	4000	8000	230-240V	20	5410288252193

Code	Description	Packaging	Base	Wattage	Lumen	Colour in K	Life (Hrs)	Voltage Range	Unit Qty	Barcode
<b>Lynx-S: For conventional power supply – G23 Cap - integrated starter</b>										
0024938	Lynx-S T4 7W 827 G23 BL1	Blister	G23	7	420	2700	10000	230V-240V	10	5410288249384
0024939	Lynx-S T4 9W 827 G23 BL1	Blister	G23	9	600	2700	10000	230V-240V	10	5410288249391
0024940	Lynx-S T4 11W 827 G23 BL1	Blister	G23	11	900	2700	10000	230V-240V	10	5410288249407
0025889	Lynx-S 7W 840 G23	Box	G23	7	420	4000	10000	230V-240V	10	5410288258898
0025890	Lynx-S 9W 840 G23	Box	G23	9	600	4000	10000	230V-240V	10	5410288258904
0025891	Lynx-S 11W 840 G23	Box	G23	11	900	4000	10000	230V-240V	10	5410288258911
<b>Lynx-SE: For high frequency power supply – 2G7 Cap</b>										
0025900	Lynx-SE 5W 840 2G7	Box	2G7	5	250	4000	10000	230V-240V	10	5410288259000
0025901	Lynx-SE 7W 840 2G7	Box	2G7	7	420	4000	10000	230V-240V	10	5410288259017
0025902	Lynx-SE 9W 840 2G7	Box	2G7	9	600	4000	10000	230V-240V	10	5410288259024
0025895	Lynx-SE 11W 827 2G7	Box	2G7	11	900	2700	10000	230V-240V	10	5410288258959
0025903	Lynx-SE 11W 840 2G7	Box	2G7	11	900	4000	10000	230V-240V	10	5410288259031
<b>Lynx-D : For conventional power supply – G24d Cap</b>										
0025912	Lynx-D 10W 840 G24d-1	Box	G24d-1	10	600	4000	10000	230V-240V	10	5410288259123
0025913	Lynx-D 13W 840 G24d-1	Box	G24d-1	13	900	4000	10000	230V-240V	10	5410288259130
0025914	Lynx-D 18W 840 G24d-2	Box	G24d-2	18	1200	4000	10000	230V-240V	10	5410288259147
0025915	Lynx-D 26W 840 G24d-3	Box	G24d-3	26	1800	4000	10000	230V-240V	10	5410288259154
<b>Lynx-DE: For high frequency power supply – G24q Cap</b>										
0025924	Lynx-DE 10W 840 G24q-1	Box	G24q-1	10	600	4000	12000	230V-240V	10	5410288259123
0025925	Lynx-DE 13W 840 G24q-1	Box	G24q-1	13	900	4000	12000	230V-240V	10	5410288259130
0025926	Lynx-DE 18W 840 G24q-2	Box	G24q-2	18	1200	4000	12000	230V-240V	10	5410288259147
0025927	Lynx-DE 26W 840 G24q-3	Box	G24q-3	26	1800	4000	12000	230V-240V	10	5410288259154
<b>Lynx-L: For conventional power supply – 2G11 Cap</b>										
00925233	Lynx-L 18W 830 2G11	Box	2G11	18	1200	3000	15000	230V-240V	25	5410288252339
00925234	Lynx-L 18W 840 2G11	Box	2G11	18	1800	4000	15000	230V-240V	25	5410288252346
00925237	Lynx-L 36W 830 2G11	Box	2G11	36	2900	3000	15000	230V-240V	25	5410288252377
00925238	Lynx-L 36W 840 2G11	Box	2G11	36	2900	4000	15000	230V-240V	25	5410288252384
<b>Lynx-LE: For high frequency power supply – 2G11 Cap</b>										
00925461	Lynx-LE 40W 830 2G11	Box	2G11	40	3500	3000	10000	230V-240V	25	5410288254616
00925462	Lynx-LE 40W 840 2G11	Box	2G11	40	3500	4000	10000	230V-240V	25	5410288254623
00925464	Lynx-LE 55W 830 2G11	Box	2G11	55	4800	3000	10000	230V-240V	25	5410288254647
00925465	Lynx-LE 55W 840 2G11	Box	2G11	55	4800	4000	10000	230V-240V	25	5410288254654



## Halogen Lamps



Great Value.  
Excellent Colour Rendering.  
Dimming Capabilities.

**Halogen lamps are known for excellent colour rendering (CRI=100) and for dazzling crisp light. This makes it the preferred light source for decorative, accent and general lighting.**

Sylvania offers an attractive range of halogen lamps in mains voltage (230V-240V) and low voltage (12V) categories.

Mains voltage halogen lamps operate direct from the mains, without the need for a transformer, and can be dimmed: making them quick and easy to install and simple to operate. Low voltage lamps operate on step down transformers, to lower mains voltage approximately 12V and are also fully dimmable.

All HI-SPOT mains voltage lamps are rated UV-Stop and are manufactured from materials which dramatically reduce UV emissions.

did you know...



Sylvania invented the  
GU10 lamp base









# Ordering Guide for Halogen

## MR16 Cool Beam

MR16 Cool Beam has the same light intensity as a standard MR16 lamp. The design of the reflector means 66% of the heat produced is radiated through the back of the lamp. Suitable for use in open luminaires following Luminaire Standard EN 60598-1

### MR16 Cool Beam ECO

- 20% energy saving compared to incandescent MR16
- Constant colour and light output throughout lamp life
- Excellent colour rendering (CRI=100)
- Average life of 2000hrs
- 100% dimmable - works in virtually every installation



Available in 16W, 28W and 40W

## Low Pressure Capsule

The smallest low voltage lamps providing a 20% energy saving with same light output. The compact size means it's ideal for an optimum sized luminaire design. The lamp can be dimmed by using a suitable dimmer for operation with a transformer.

### Superia Capsule ECOplus

- Up to 40% energy savings compared to standard LV capsules
- Same light output as standard capsules
- Average life of 3000hrs
- 100% dimmable works in virtually every installation
- EcoPlus lamps provide unbeatable light quality making everything look its best
- High luminosity efficacy means more light for your money



Available in 28 and 40W



Code	Description	Packaging	Base	Wattage	Candela	Colour in K	Life (Hrs)	Voltage Range	Unit Qty	Barcode
<b>MR16 COOL BEAM ECO</b>										
0021814	MR16 ECO 12V 16W 38° GU5.3 BL1	Blister	GU5.3	16	660	2925	2000	12V	10	5410288218144
0021815	MR16 ECO 12V 28W 38° GU5.3 BL1	Blister	GU5.3	28	1200	3000	2000	12V	10	5410288218151
0021816	MR16 ECO 12V 40W 38° GU5.3 BL1	Blister	GU5.3	40	1950	3000	2000	12V	10	5410288218168
0021817	MR16 ECO 12V 16W 38° GU5.3 BL2	Blisterx2	GU5.3	16	660	2925	2000	12V	10	5410288218175
0021818	MR16 ECO 12V 28W 38° GU5.3 BL2	Blisterx2	GU5.3	28	1200	3000	2000	12V	10	5410288218182
0021819	MR16 ECO 12V 40W 38° GU5.3 BL2	Blisterx2	GU5.3	40	1950	3000	2000	12V	10	5410288218199
0021807	MR16 ECO 12V 16W 10° GU5.3	Box	GU5.3	16	3600	2925	2000	12V	10	5410288218076
0021808	MR16 ECO 12V 16W 38° GU5.3	Box	GU5.3	16	660	2925	2000	12V	10	5410288218083
0021809	MR16 ECO 12V 28W 10° GU5.3	Box	GU5.3	28	5000	3000	2000	12V	10	5410288218090
0021810	MR16 ECO 12V 28W 38° GU5.3	Box	GU5.3	28	1200	3000	2000	12V	10	5410288218106
0021811	MR16 ECO 12V 40W 10° GU5.3	Box	GU5.3	40	6000	3000	2000	12V	10	5410288218113
0021812	MR16 ECO 12V 40W 38° GU5.3	Box	GU5.3	40	1950	3000	2000	12V	10	5410288218120
0021813	MR16 ECO 12V 40W 60° GU5.3	Box	GU5.3	40	900	3000	2000	12V	10	5410288218137
<b>MR16 Home</b>										
0022524	MR16 Home 12V 20W 38° GU5.3	Box	GU5.3	20	660	2925	3000	12V	10	5410288225241
0022525	MR16 Home 12V 35W 38° GU5.3	Box	GU5.3	35	1200	3000	3000	12V	10	5410288225258
0022526	MR16 Home 12V 50W 38° GU5.3	Box	GU5.3	50	1950	3050	3000	12V	10	5410288225265

Code	Description	Packaging	Base	Wattage	Lumen	Colour in K	Life (Hrs)	Voltage Range	Unit Qty	Barcode
<b>Superia Capsule ECOplus</b>										
0021800	Superia Capsule ECO 25W GY6.35	Box	GY6.35	25	500	3000	3000	12V	50	5410288218007
0021801	Superia Capsule ECO 35W GY6.35	Box	GY6.35	35	860	3000	3000	12V	50	5410288218014
0021802	Superia Capsule ECO 50W GY6.35	Box	GY6.35	50	1180	3000	3000	12V	50	5410288218021
0021803	Superia Capsule ECO 60W GY6.35	Box	GY6.35	60	1650	3000	3000	12V	50	5410288218038
<b>Low Pressure Capsule ECO</b>										
0021320	Capsule 12V ECO 28W GY6.35	Box	GY6.35	28	500	2800	2000	12V	10	5410288213200
0021321	Capsule 12V ECO 40W GY6.35	Box	GY6.35	40	900	2800	2000	12V	10	5410288213217
0021324	Capsule 12V ECO 28W GY6.35 BL2	Blisterx2	GY6.35	28	500	2800	2000	12V	10	5410288213248
0021325	Capsule 12V ECO 40W GY6.35 BL2	Blisterx2	GY6.35	40	900	2800	2000	12V	10	5410288213255
<b>Low Pressure Capsule</b>										
0021985	Capsule 12V 10W G4 BL1	Blister	G4	10	100	2800	2000	12V	10	5410288219851
0022142	Capsule 12V 20W G4 BL1	Blister	G4	20	250	2800	2000	12V	10	5410288221427
0022248	Capsule 12V 20W G4 BL3	Blisterx3	G4	20	250	2800	2000	12V	10	5410288222486
0022256	Capsule 12V 20W GY6.35 BL1	Blister	GY6.35	20	250	2800	2000	12V	10	5410288222561
0022145	Capsule 12V 50W GY6.35 BL1	Blister	GY6.35	50	900	2800	2000	12V	10	5410288221458
0022249	Capsule 12V 50W GY6.35 BL3	Blisterx3	GY6.35	50	900	2800	2000	12V	10	5410288222493
0022165	Capsule 12V 5W G4	Box	G4	5	40	2800	2000	12V	10	5410288221656
0022241	Capsule 12V 10W G4	Box	G4	10	100	2800	2000	12V	10	5410288222417
0022242	Capsule 12V 20W G4	Box	G4	20	250	2800	2000	12V	10	5410288222424
0022246	Capsule 12V 35W G4	Box	G4	35	500	2800	2000	12V	10	5410288222462
0021021	Capsule 12V 35W GY6.35	Box	GY6.35	35	520	2800	2000	12V	10	5410288210216
0021022	Capsule 12V 50W GY6.35	Box	GY6.35	50	900	2800	2000	12V	10	5410288210223



# Ordering Guide for Zenith Lamps



We understand that consumers can be very sensitive when it comes to price. If the main focus is on price and not brand - Sylvania can offer an alternative range which will support you in all segments and offer the complete range to your customer.

Code	Description	Packaging	Base	Wattage	Lumen/Candela	Colour in K	Life (Hrs)	Voltage Range	Unit Qty	Barcode
<b>Classic ECO A55</b>										
7203216	Classic ECO A55 28W E27 Class C x Pack 2	Box	E27	28	345	2800	1000	230	10	5414326032062
7203204	Classic ECO A55 42W E27 Class C x Pack 2	Box	E27	42	630	2800	1000	230	10	5414326032044
7203202	Classic ECO A55 70W E27 Class C x Pack 2	Box	E27	70	1200	2800	1000	230	10	5414326032020
<b>Classic ECO Candle and Ball</b>										
7203208	Classic ECO Candle 28W E14 Class C x Pack 2	Box	E14	28	345	2800	1000	230	10	5414326032082
7203210	Classic ECO Ball 28W E27 Class C x Pack 2	Box	E27	28	345	2800	1000	230	10	5414326032105
7203212	Classic ECO Ball 40W E27 Class C x Pack 2	Box	E27	28	345	2800	1000	230	10	5414326032129
<b>Classic ECO Reflector</b>										
7203214	Classic ECO R50 28W E14 x Pack 2	Box	E14	28	335	2800	1000	230	10	5414326032143
<b>Double Ended Halogen</b>										
7214004	Double Ended Eco 118 230W 230V	Blister	R7s	230	4700	2800	1500	230	10	5414326140046
7214005	Double Ended Eco 118 400W 230V	Blister	R7s	400	8800	2800	1500	230	10	5414326140053
7214008	Double Ended Eco 118 120W 230V x Pack 2	Blister	R7s	120	2250	2800	1500	230	10	5414326140084
7214010	Double Ended Eco 118 230W 230V x Pack 2	Blister	R7s	230	4700	2800	1500	230	10	5414326140107
7214011	Double Ended Eco 118 400W 230V x Pack 2	Blister	R7s	400	8800	2800	1500	230	10	5414326140114
7214014	Double Ended Eco 118 120W 230V x Pack 3	Blister	R7s	120	2250	2800	1500	230	10	5414326140145
7214015	Double Ended Eco 118 160W 230V x Pack 3	Blister	R7s	160	3100	2800	1500	230	10	5414326140152
7214016	Double Ended Eco 118 230W 230V x Pack 3	Blister	R7s	230	4700	2800	1500	230	10	5414326140169
7214017	Double Ended Eco 118 400W 230V x Pack 3	Blister	R7s	400	8800	2800	1500	230	10	5414326140176



Code	Description	Packaging	Base	Wattage	Lumen/Candela	Colour in K	Life (Hrs)	Voltage Range	Unit Qty	Barcode
<b>Hi-Spot ES50</b>										
7221111	Hi-Spot ES50 E14 40W 25° 230V x Pack 3	Blister	E14	40	n.n.	2800	1500	230	10	5414326211111
7220102	Hi-Spot ES50 35W 25° 230V x Pack 2	Blister	GU10	35	n.n.	2800	1500	230	10	5414326201020
7220104	Hi-Spot ES50 50W 25° 230V x Pack 2	Blister	GU10	50	n.n.	2800	1500	230	10	5414326201245
<b>Classic Eco Capsules</b>										
7222252	Capsule 10W G4 12V x Pack 3	Blister	G4	10	100	2800	1500	12	10	5414326222520
7222253	Capsule 20W G4 12V x Pack 3	Blister	G4	20	250	2800	1500	12	10	5414326222537
7222254	Capsule 35W G6.35 12V x Pack 3	Blister	G6.35	35	520	2800	1500	12	10	5414326222544
7222255	Capsule 50W G6.35 12V x Pack 3	Blister	G6.35	50	900	2800	1500	12	10	5414326222551
<b>Dichroic</b>										
7222530	Dichroic 50 20W GX/GU5.3 BAB 38° 12V x Pack 2	Blister	GX5.3	20	-	2800	2000	12	10	5414326225309
7222531	Dichroic 50 35W GX/GU5.3 FMW 38° 12V x Pack 2	Blister	GX5.3	35	-	2800	2000	12	10	5414326225316
7222532	Dichroic 50 50W GX/GU5.3 EXN 38° 12V x Pack 2	Blister	GX5.3	50	-	2800	2000	12	10	5414326225323
<b>Hi-Pin G9</b>										
7222780	Hi-Pin 25W G9 230V clear Class C x Pack 2	Blister	G9	25	240	2800	1500	230	10	5414326227747
7222782	Hi-Pin 60W G9 230V clear Class C x Pack 2	Blister	G9	60	740	2800	1500	230	10	5414326227761
<b>Compact Fluorescent Lamps</b>										
7227507	CFL Stick 9W E14 827	Box	E14	9	-	2700	1500	230	10	5414326275076
7227508	CFL Stick 9W E27 827	Box	E27	9	-	2700	1500	230	10	5414326275083
7227509	CFL Stick 11W E27 827	Box	E27	11	-	2700	1500	230	10	5414326275090
7227510	CFL Stick 15W E27 827	Box	E27	15	-	2700	1500	230	10	5414326275106
7227511	CFL Stick 20W E27 827	Box	E27	20	-	2700	1500	230	10	5414326275113
7227514	CFL Stick 11W E27 827 3 Pack	Box	E27	11	-	2700	1500	230	10	5414326275144
7227512	CFL Stick 15W E27 827 3 Pack	Box	E27	15	-	2700	1500	230	10	5414326275120
7227513	CFL Stick 20W E27 827 3 Pack	Box	E27	20	-	2700	1500	230	10	5414326275137
7227503	CFL GLS 11W E27 827	Box	E27	11	-	2700	1500	230	10	5414326275038
7227504	CFL GLS 15W E27 827	Box	E28	15	-	2700	1500	230	10	5414326275045
7227505	CFL Candle 7W E14 827	Box	E14	7	-	2700	1500	230	10	5414326275052
7227506	CFL Candle 9W E14 827	Box	E14	9	-	2700	1500	230	10	5414326275069
7227501	CFL Ball 9W E14 827	Box	E14	9	-	2700	1500	230	10	5414326275014
7227502	CFL Ball 9W E27 827	Box	E27	9	-	2700	1500	230	10	5414326275021



## Linear Fluorescent Lamps



Long Operating Life.  
Energy saving.  
Lighting Efficiency.

### The cost-efficient light

Sylvania offers a comprehensive range of high efficiency fluorescent tubes in various lengths, diameters, wattages and colours, including tubes for specialist applications.

The improved technology of Luxline Plus triphosphor coating guarantees excellent colour rendering, high luminous flux and high lamp efficacy (lumen per watt).

# Linear Fluorescent Lamps

## Why Choose Sylvania Luxline® Tubes?

- Reduced maintenance costs
- Long operating life (24,000 hours)
- Reduced electricity costs and CO<sub>2</sub>
- Up to 25% energy savings with a T5 tube
- Lighting efficiency & excellent colour rendering



# Ordering Guide for LFLs

## Luxline Plus

The improved technology of Luxline Plus triphosphor coating guarantees excellent colour rendering, high luminous flux and high lamp efficacy (lumen per watt). The average life of up to 24,000 hours allows longer replacement intervals reducing maintenance requirements.

### T5 FHE Luxline Plus

- Ideal for furniture, showcases, bathroom cabinets and leisure applications
- Long life (24,000 hours)
- High Lumen output (up to 2900lm)



Available in 14W, 21 and 28W

## How do you check a tube's colour temperature



Code	CRI (Colour Rendering Index)	Colour temperature (the colour of the light)
840	82 to 85	4000K Brilliant white

## With or without starter?

In order to function, a fluorescent tube requires specific control gear called a ballast.

There are two types of ballast:

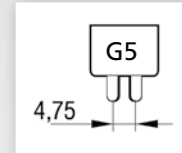
- magnetic
- high frequency (HF, 1-10V, DALI)

An installation fitted with magnetic ballasts MUST have a starter. For optimum operation, Sylvania recommends that you replace the starter at the same time as the tube.

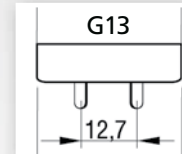
## The choice of starter depends on the tube wattage.

FS-11 > for wattages of 4 to 80W, operates only 1 tube.  
FS-22 > for wattages of 4 to 22W, operates 2 tubes simultaneously.

## Cap Range



T5



T8



Code	Description	Packaging	Base	Wattage	Lumen	Colour in K	Life (Hrs)	Voltage Range	Unit Qty	Barcode
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### T5 FHE LuxLine Plus - High Efficiency – Ø 16mm – Cap G5

0002738	T5 Luxline 8W 840 288mm G5	Box	G5	8	-	4000	24000	230V	25	5410288027388
0000693	T5 FHE 14W 840 549mm G5 BL1	Sleeve	G5	14	1350	4000	24000	86V	10	5410288006932
0000694	T5 FHE 21W 840 849mm G5 BL1	Sleeve	G5	21	2100	4000	24000	86V	10	5410288006941
0000695	T5 FHE 28W 840 1149mm G5 BL1	Sleeve	G5	28	2900	4000	24000	86V	10	5410288006956
0000703	T5 FHE 14W 830 549mm G5 BL1	Sleeve	G5	14	1350	3000	24000	86V	10	5410288007038
0000704	T5 FHE 21W 830 849MM G5 BL1	Sleeve	G5	21	2100	3000	24000	126V	10	5410288007045
0000705	T5 FHE 28W 830 1149MM G5 BL1	Sleeve	G5	28	2900	3000	24000	166V	10	5410288007052



### T8 LuxLine Plus - High output – Ø 26mm – Cap G13

0000568	T8 Luxline 15W 827 G13 BL1	Sleeve	G13	15	950	2700	20000	230V	10	5410288005683
0000569	T8 Luxline 15W 840 G13 BL1	Sleeve	G13	15	950	4000	20000	230V	10	5410288005690
0000570	T8 Luxline 18W 827 590mm G13 BL1	Sleeve	G13	18	1350	2700	20000	230V	10	5410288005706
0000205	T8 Luxline 18W 830 590mm G13 BL1	Sleeve	G13	18	1350	3000	20000	230V	10	5410288002057
0000571	T8 Luxline 18W 840 590mm G13 BL1	Sleeve	G13	18	1350	4000	20000	230V	10	5410288005713
0000230	T8 Luxline 18W 865 590mm G13 BL1	Sleeve	G13	18	1350	6500	20000	230V	10	5410288002309
0000574	T8 Luxline 36W 827 1200mm G13 BL1	Sleeve	G13	36	3350	2700	20000	230V	10	5410288005744
0000376	T8 Luxline 36W 830 1200mm G13 BL1	Sleeve	G13	36	3350	3000	20000	230V	10	5410288003764
0000575	T8 Luxline 36W 840 1200mm G13 BL1	Sleeve	G13	36	3350	4000	20000	230V	10	5410288005751
0000583	T8 Luxline 36W 865 1200mm G13 BL1	Sleeve	G13	36	3350	6500	20000	230V	10	5410288005836
0000576	T8 Luxline 58W 827 1500mm G13 BL1	Sleeve	G13	58	5200	2700	20000	230V	10	5410288005768
0000377	T8 Luxline 58W 830 1500mm G13 BL1	Sleeve	G13	58	5200	3000	20000	230V	10	5410288003771
0000579	T8 Luxline 58W 840 1500mm G13 BL1	Sleeve	G13	58	5200	4000	20000	230V	10	5410288005799
0000584	T8 Luxline 58W 865 1500mm G13 BL1	Sleeve	G13	58	5000	6500	20000	230V	10	5410288005843
0001505	T8 Luxline 18W 827 590mm G13	Box	G13	18	1350	2700	20000	230V	25	5410288015057
0001501	T8 Luxline 18W 830 590mm G13	Box	G13	18	1350	3000	20000	230V	25	5410288015019
0001500	T8 Luxline 18W 840 590mm G13	Box	G13	18	1350	4000	20000	230V	25	5410288015002
0001502	T8 Luxline 18W 865 590mm G13	Box	G13	18	1350	6500	20000	230V	25	5410288015026
0001514	T8 Luxline 36W 827 1200mm G13	Box	G13	36	3350	2700	20000	230V	25	5410288015149
0001511	T8 Luxline 36W 830 1200mm G13	Box	G13	36	3350	3000	20000	230V	25	5410288015118
0001510	T8 Luxline 36W 840 1200mm G13	Box	G13	36	3350	4000	20000	230V	25	5410288015101
0001512	T8 Luxline 36W 865 1200mm G13	Box	G13	36	3350	6500	20000	230V	25	5410288015125
0001535	T8 Luxline 58W 827 1500mm G13	Box	G13	58	5200	2700	20000	230V	25	5410288015354
0001531	T8 Luxline 58W 830 1500mm G13	Box	G13	58	5200	3000	20000	230V	25	5410288015316
0001530	T8 Luxline 58W 840 1500mm G13	Box	G13	58	5200	4000	20000	230V	25	5410288015309
0001532	T8 Luxline 58W 865 1500mm G13	Box	G13	58	5200	6500	20000	230V	25	5410288015323
0000620	T8 Luxline 18W 835 590mm G13 x10	Box x10	G13	18	1350	3500	20000	230V	10	5410288006208
0000621	T8 Luxline 18W 840 590mm G13 x10	Box x10	G13	18	1350	4000	20000	230V	10	5410288006215
0000622	T8 Luxline 36W 835 1200mm G13 x10	Box x10	G13	36	3350	3500	20000	230V	10	5410288006222
0000623	T8 Luxline 36W 840 1200mm G13 x10	Box x10	G13	36	3350	4000	20000	230V	10	5410288006239
0000624	T8 Luxline 58W 835 1500mm G13 x10	Box x10	G13	58	5200	3500	20000	230V	10	5410288006246
0000625	T8 Luxline 58W 840 1500mm G13 x10	Box x10	G13	58	5200	4000	20000	230V	10	5410288006253
0000626	T8 Luxline 58W 835 1764mm G13 x10	Box x10	G13	70	6000	3500	20000	230V	10	5410288006260
0000627	T8 Luxline 58W 840 1764mm G13 x10	Box x10	G13	70	6000	4000	20000	230V	10	5410288006277



### T8 LuxLine Plus - Special Lengths

0000572	T8 Luxline 30W 830 895mm G13 BL1	Sleeve	G13	30	2400	3000	20000	230V	10	5410288005720
0000573	T8 Luxline 30W 840 895mm G13 BL1	Sleeve	G13	30	2400	4000	20000	230V	10	5410288005737
0000870	T8 Luxline 16W 830 720mm G13	Box	G13	16	2400	3000	20000	230V	25	5410288008707
0000871	T8 Luxline 16W 840 720mm G13	Box	G13	16	2400	4000	20000	230V	25	5410288008714
0001079	T8 Luxline 30W 830 895mm G13	Box	G13	30	2400	3000	20000	230V	25	5410288010793
0001080	T8 Luxline 30W 840 895mm G13	Box	G13	30	2400	4000	20000	230V	25	5410288010809

# Ordering Guide for LFLs

## T9 Circline

A range of T9 Circular fluorescent lamps for use with older T9 fixtures in general lighting applications. Incorporating Sylvania Circline Plus triphosphor technology they achieve high colour rendering together with long life and high energy efficiencies.

### T9 Circline

- For commercial and domestic lighting
- Suitable in a wide range of round and square shaped luminaires
- High luminous efficacy



Available in 22W, 32W and 40W

# Aquarium and Terrarium Lamps

Code	Description	Packaging	Base	Wattage	Lumen	Colour in K	Life (Hrs)	Voltage Range	Unit Qty	Barcode
<b>T5 STANDARD – Ø 16mm – Cap G5</b>										
0000415	T5 Standard 4W 33-640 136mm G5 BL1	Sleeve	G5	4	140	4000	24000	230V	10	5410288004150
0000416	T5 Standard 6W 29-530 212mm G5 BL1	Sleeve	G5	6	280	3000	24000	230V	10	5410288004167
0000417	T5 Standard 8W 33-640 288mm G5 BL1	Sleeve	G5	8	400	3000	24000	230V	10	5410288004174
0000418	T5 Standard 8W 29-530 288mm G5 BL1	Sleeve	G5	8	400	4000	24000	230V	10	5410288004181
0000448	T5 Standard 13W 29-530 517mm G5 BL1	Sleeve	G5	13	880	3000	24000	230V	10	5410288004488
0000419	T5 Standard 13W 33-640 517mm G5 BL1	Sleeve	G5	13	880	4000	24000	230V	10	5410288004198
0000382	T5 Standard 8W 29-530 288mm G5	Box	G5	8	400	4000	24000	230V	25	5410288003825
0000032	T5 Standard 13W 29-530 517mm G5	Box	G5	13	880	3000	24000	230V	25	5410288000329
<b>T9 CIRCLINE</b>										
0001961	T9 Circline HR 22W 840 G10q	Box	G10q	22	1300	4000	-	62V	12	5410288019611
0001964	T9 Circline HR 32W 840 G10q	Box	G10q	32	2300	4000	-	84V	12	5410288019642
0001967	T9 Circline HR 40W 840 G10q	Box	G10q	40	3000	4000	-	115V	12	5410288019673
0001972	T9 Circline HR 22W 840 G10q	Box	G10q	22	1300	4000	-	62V	6	5410288019727
0001973	T9 Circline HR 32W 840 G10q	Box	G10q	32	2300	4000	-	84V	6	5410288019734
0001972	T9 Circline HR 40W 840 G10q	Box	G10q	40	3000	4000	-	115V	6	5410288019741
<b>T8 STANDARD COLOUR</b>										
0002566	T8 green 36W 1200mm G13	Box	G13	36	288	Green	20000	230V	25	5410288025667
0002567	T8 blue 36W 1200mm G13	Box	G13	36	700	Blue	20000	230V	25	5410288025674
0002573	T8 red 36W 1200mm G13	Box	G13	36	70	Red	20000	230V	25	5410288025735
<b>STARTERS for fluorescent lamps</b>										
0024425	Starter FS11 Pack of 2 for 5-65W	Blister	N/A	N/A	N/A	N/A	-	N/A	15	5410288244303
0024431	Starter FS22 Pack of 2 for 70W	Blister	N/A	N/A	N/A	N/A	-	N/A	15	5410288244310
0024442	Starter FS11 Pack of 5 for 5-65W	Box	N/A	N/A	N/A	N/A	-	N/A	20	5410288244426
0024445	Starter FS11 Pack of 5 for 70W	Box	N/A	N/A	N/A	N/A	-	N/A	20	5410288244457



Ideal for pets.  
Enhanced natural colours.  
Promotes photo-synthesis.



If you need to replace natural light – whether for plants, aquariums or terrariums – Sylvania has an extensive collection of lighting solutions available. For example, Sylvania's GRO-LUX 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.



Some of the ranges contain the T5/8 lamps. These contain 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.

# Ordering Guide for Aquarium Lamps

## Gro-Lux, Aquastar and Daylightstar

These ranges are ideal for lighting in fresh water aquariums.

Aquastar has 10000 kelvin light colour simulating the tropical light spectrum

Daylightstar reduces algae growth through a special UV-STOP protective light.

### Gro-Lux

- 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 photosynthesis in plants
- The most optimal light colour for plants and aquaria



Available in T5 and T8

### Reptistar

- Promotes vitamin D3 production which aids good health, growth and the general well-being of reptiles in terrariums through a high content of UVB (5% and 10%) and UVA (up to 30%)
- This full spectrum (6500 K) lamp improves the natural appearance of reptiles
- Shows reptiles in their true colours



## Coralstar, Aquaclassic, Marinestar and Reptistar

Specialist lamps for aquariums and terrariums.

Coralstar reproduces light conditions found at coral reefs through actinic blue light

Marinestar has a high colour temp of 15000K ideal for marine lighting.

Aquaclassic is an entry level lamp for freshwater aquaria

Code	Description	Packaging	Base	Wattage	Lumen	Colour in K	Voltage Range	Unit Qty	Barcode
<b>T5 Gro-Lux - 16mm diameter - G5</b>									
0000728	T5 Gro-Lux 24W 549mm G5	Box	G5	24	-	Gro-Lux	230V	10	5410288007281
0000729	T5 Gro-Lux 39W 549mm G5	Box	G5	39	-	Gro-Lux	230V	10	5410288007298
0000730	T5 Gro-Lux 54W 549mm G5	Box	G5	54	-	Gro-Lux	230V	10	5410288007304
0002821	T5/8 Gro-Lux 24W 438mm G5	Box	G5	24	-	Gro-Lux	230V	10	5410288028217
0002823	T5/8 Gro-Lux 28W 590mm G5	Box	G5	28	-	Gro-Lux	230V	10	5410288028231
0002825	T5/8 Gro-Lux 35W 742mm G5	Box	G5	35	-	Gro-Lux	230V	10	5410288028255
0002827	T5/8 Gro-Lux 45W 895mm G5	Box	G5	45	-	Gro-Lux	230V	10	5410288028279
0002829	T5/8 Gro-Lux 54W 1047mm G5	Box	G5	54	-	Gro-Lux	230V	10	5410288028293
0002831	T5/8 Gro-Lux 54W 1200mm G5	Box	G5	54	-	Gro-Lux	230V	10	5410288028316
<b>T8 Gro-Lux - 26mm diameter - G13</b>									
0000707	T8 Gro-Lux 14W 361mm G13	Box	G13	14	-	Gro-Lux	230V	10	5410288007076
0000708	T8 Gro-Lux 15W 438mm G13	Box	G13	15	-	Gro-Lux	230V	10	5410288007083
0000709	T8 Gro-Lux 18W 590mm G13	Box	G13	18	-	Gro-Lux	230V	10	5410288007090
0000710	T8 Gro-Lux 25W 742mm G13	Box	G13	25	-	Gro-Lux	230V	10	5410288007106
0000711	T8 Gro-Lux 30W 895mm G13	Box	G13	30	-	Gro-Lux	230V	10	5410288007113
0000712	T8 Gro-Lux 36W 1200mm G13	Box	G13	36	-	Gro-Lux	230V	10	5410288007120
0000713	T8 Gro-Lux 38W 1047mm G13	Box	G13	38	-	Gro-Lux	230V	10	5410288007137
0000714	T8 Gro-Lux 58W 1500mm G13	Box	G13	58	-	Gro-Lux	230V	10	5410288007144
<b>T5 Aquastar - 16mm diameter - G5</b>									
0002752	T5 Aquastar 24W 549mm G5	Box	G5	24	1120	10000	230V	10	5410288027524
0002753	T5 Aquastar 39W 849mm G5	Box	G5	39	1960	10000	230V	10	5410288027531
0002754	T5 Aquastar 54W 1149mm G5	Box	G5	54	2800	10000	230V	10	5410288027548
0002820	T5/8 Aquastar 24W 438mm G5	Box	G5	24	900	10000	230V	10	5410288028200
0002822	T5/8 Aquastar 28W 590mm G5	Box	G5	28	1200	10000	230V	10	5410288028224
0002824	T5/8 Aquastar 35W 742mm G5	Box	G5	35	1700	10000	230V	10	5410288028248
0002826	T5/8 Aquastar 45W 895mm G5	Box	G5	45	2100	10000	230V	10	5410288028262
0002828	T5/8 Aquastar 54W 1047mm G5	Box	G5	54	2500	10000	230V	10	5410288028286
0002830	T5/8 Aquastar 54W 1200mm G5	Box	G5	54	2900	10000	230V	10	5410288028309
<b>T8 Aquastar - 26mm diameter - G13</b>									
0000727	T8 Aquastar 14W 361mm G13	Box	G13	14	525	10000	230V	10	5410288007274
0000643	T8 Aquastar 15W 438mm G13	Box	G13	15	650	10000	230V	10	5410288006437
0000644	T8 Aquastar 18W 590mm G13	Box	G13	18	900	10000	230V	10	5410288006444
0000645	T8 Aquastar 25W 742mm G13	Box	G13	25	1500	10000	230V	10	5410288006451
0000646	T8 Aquastar 30W 895mm G13	Box	G13	30	1700	10000	230V	10	5410288006468
0000647	T8 Aquastar 36W 1200mm G13	Box	G13	36	2200	10000	230V	10	5410288006475
0000648	T8 Aquastar 38W 1047mm G13	Box	G13	38	2100	10000	230V	10	5410288006482
0000649	T8 Aquastar 58W 1500mm G13	Box	G13	58	3500	10000	230V	10	5410288006499
0002830	T5/8 Aquastar 54W 1200mm G5	Box	G5	54	2900	10000	230V	10	5410288028309
<b>T8 Daylightstar - 26mm diameter - G13</b>									
0000715	T8 Daylightstar 15W 438MM G13	Box	G13	15	-	5000	230V	10	5410288007151
0000716	T8 Daylightstar 18W 590MM G13	Box	G13	18	-	5000	230V	10	5410288007168
0000717	T8 Daylightstar 30W 895MM G13	Box	G13	30	-	5000	230V	10	5410288007175
0000718	T8 Daylightstar 36W 1200MM G13	Box	G13	36	-	5000	230V	10	5410288007182

Code	Description	Packaging	Base	Wattage	Lumen	Colour in K	Voltage Range	Unit Qty	Barcode
<b>T5 Coralstar - 16mm diameter - G5</b>									
0000735	T5 Coralstar 24W 549mm G5	Box	G5	24	-	Actinic	230V	10	5410288007359
0002755	T5 Coralstar 39W 849mm G5	Box	G5	39	-	Actinic	230V	10	5410288027555
0002756	T5 Coralstar 54W 1149mm G5	Box	G5	54	-	Actinic	230V	10	5410288027562
0002757	T5/8 Coralstar 28W 590mm G5	Box	G5	28	-	Actinic	230V	10	5410288027579
0002758	T5/8 Coralstar 45W 895mm G5	Box	G5	45	-	Actinic	230V	10	5410288027586
0002759	T5/8 Coralstar 54W 1200mm G5	Box	G5	54	-	Actinic	230V	10	5410288027593
<b>T8 Coralstar - 26mm diameter - G13</b>									
0000719	T8 Coralstar 18W 590mm G13	Box	G13	18	-	Actinic	230V	10	5410288007199
0000725	T8 Coralstar 30W 895mm G13	Box	G13	30	-	Actinic	230V	10	5410288007250
0000726	T8 Coralstar 36W 1200mm G13	Box	G13	36	-	Actinic	230V	10	5410288007267
<b>T8 Aquaclassic - 26mm diameter - G13</b>									
0002312	T8 Aquaclassic 14W 361MM G13	Box	G13	14	-	5000	230V	10	5410288023120
0002313	T8 Aquaclassic 15W 438MM G13	Box	G13	15	-	5000	230V	10	5410288023137
0002314	T8 Aquaclassic 18W 590MM G13	Box	G13	18	-	5000	230V	10	5410288023144
0002316	T8 Aquaclassic 30W 895MM G13	Box	G13	30	-	5000	230V	10	5410288023168
<b>T8 Marinestar - 26mm diameter - G13</b>									
0002725	T8 Marinestar 24W 549MM G13	Box	G13	24	-	15000	230V	10	5410288027258
0002726	T8 Marinestar 39W 849MM G13	Box	G13	39	-	15000	230V	10	5410288027265
0002727	T8 Marinestar 54W 1149MM G13	Box	G13	54	-	15000	230V	10	5410288027272
0002728	T8 Marinestar 80W 1449MM G13	Box	G13	80	-	15000	230V	10	5410288027289
<b>T8 Reptistar - 26mm diameter - G13</b>									
0000731	T8 Reptistar 15W G13	Box	G13	15	300	UV-B 5%	230V	10	5410288007311
0000732	T8 Reptistar 18W G13	Box	G13	18	450	UV-B 5%	230V	10	5410288007328
0000733	T8 Reptistar 30W G13	Box	G13	30	700	UV-B 5%	230V	10	5410288007335
0000734	T8 Reptistar 36W G13	Box	G13	36	1000	UV-B 5%	230V	10	5410288007342
0000741	T8 Reptistar 15W G13	Box	G13	15	300	UV-B 10%	230V	10	5410288007410
0000742	T8 Reptistar 18W G13	Box	G13	18	450	UV-B 10%	230V	10	5410288007427
0000743	T8 Reptistar 30W G13	Box	G13	30	700	UV-B 10%	230V	10	5410288007434
0000744	T8 Reptistar 36W G13	Box	G13	36	1000	UV-B 10%	230V	10	5410288007441












# Luminaires – The Residential Range


## Bathrooms, Kitchens, Lofts



### Symbols & Terminology




-  Suitable for mounting in or on furnishings made of semi-combustible or combustible materials such as wood.
-  Light fittings designed to be mounted in or on furnishings made of materials with unknown properties.
-  850°C/5 sec (960°C/30 sec) fire retardant in compliance with NFC 20-455.
-  Adjustable.
-  Swivelling (angle of tilt).
-  Ingress protection.
-  Impact protection.
-  Authorised minimum distance in metres in relation to the illuminated object.
-  The cutout size required in the ceiling

### Daisy-chain installation

-  Possibility of daisy-chain installation.


### Electrical protection

#### EN60598

-  Class I – Light fittings complying with earthing requirements for electrical devices: functional insulation of all components and earthing.
-  Class II – Light fittings complying with requirements for double insulation of live parts: insulation of all unearthed components. In the event of an electrical fault, no accessible metal part must come in contact with the electrical circuit.
-  Class III – Light fittings complying with the requirements for Class III: protection against electrical shocks is ensured by a safety extra low voltage circuit (SELV) producing no voltage higher than 50V.

### Surface protection flammability

#### EN60598

-  F Mark – Light fittings complying with the requirements for mounting installations on flammable surfaces.

### NOTE

In an ongoing effort to improve our performance, Havells Sylvania reserves the right to modify the specifications of its products at any time and without prior notice or to discontinue their manufacture or marketing.

The description, technical information (photometric data, performance, service life, etc.) and dimensions are indicative only and are non-contractual.

### The Residential Range

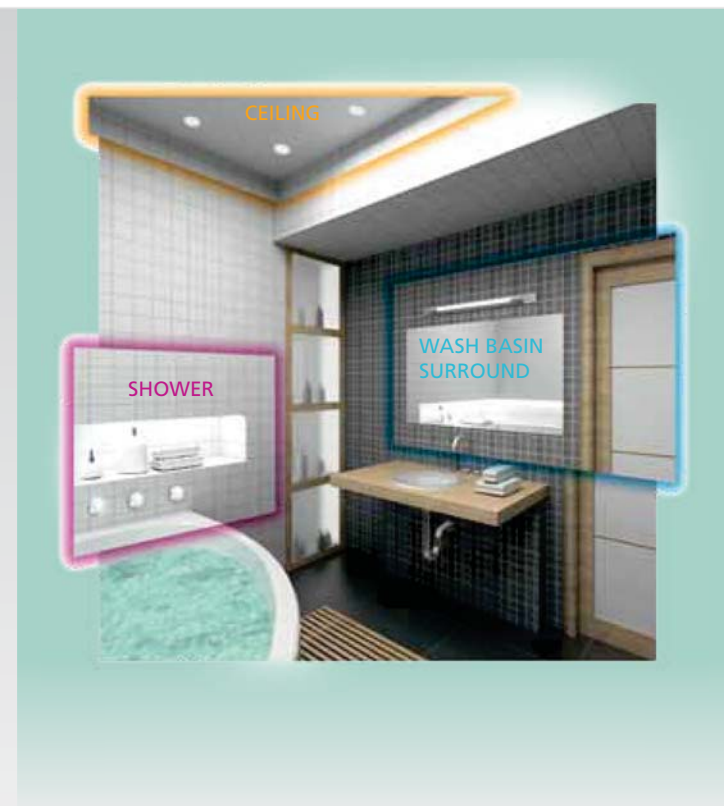
The residential range is a selection of high quality luminaires designed specifically for people who require their lighting to be innovative and beautifully designed.

The range is suitable for various applications such as kitchens, bathrooms, lounges, cellars and garages.

Many of the luminaires include high performance lamps from Sylvania – offering great performance with energy saving qualities.

# Bathroom Lighting

Wall fittings for mirrors  
IP65 Recessed Spotlights



## DID YOU KNOW?

### A light fitting is defined by:

- Class: protection against electrical shocks (see page 40)

Class I



Class II



Class III



- IP: Ingress protection index. This denotes the resistance of fittings to the ingress of solids or liquids.

The first number refers to solid objects (from IP2X to IP6X).  
The second number refers to liquids (from IPX1 to IPX8).

- IK: Impact resistance index. This denotes the resistance to external impacts. It ranges from IK01 to IK10.

In certain locations deemed to be 'at risk' (prisons, educational establishments, premises open to the public, etc.), the installation of IK09 fittings (5kg impact at 0.2 metres) is recommended.

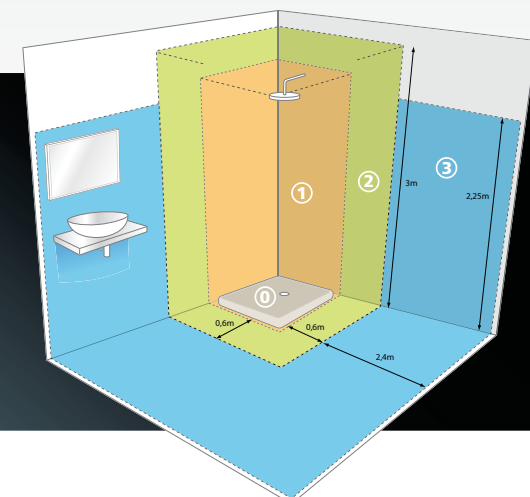
### Ordering Guide:

- +L = with Lamp
- +L+T = with Lamp and Transformer

## Regulations: Compliance with the 4 safety zones

Bathroom lighting must meet the requirements concerning protection against water ingress (IP) and against electrical shocks (electrical class)

### Diagram of zones for compliance



ZONES	CLASS	IP
ZONE 0	Electrical Class III/SELV	IPX7
ZONE 1	Electrical Class III/SELV	IPX4
ZONE 2	Class II	IPX3
ZONE 3	Class I, II and III	IPX1
Outside the zones	Class I, II and III	IPX1

Other specific requirements may apply if these rooms are used for medical purposes or by disabled persons.

# Ordering Guide for Residential range - Bathroom

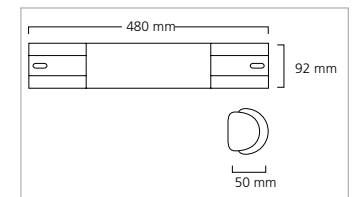


Compact Fluorescent

## Elite

- Wall-mounted fixture for Lynx-S 11W compact fluorescent lamps
- Vertical or horizontal installation
- Shaver socket
- White or chrome finish

Code	Description	Barcode
Elite		
0053400	ELITE White Lynx-S 11W +L	5410288534008
0053401	ELITE Chrome Lynx-S 11W +L	5410288534015
0053404	ELITE White Switch Lynx-S 11W +L	5410288534046
0053405	ELITE Chrome Switch Lynx-S 11W +L	5410288534053

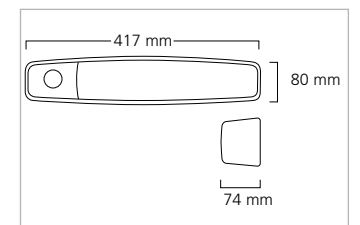


Incandescent

## Elan

- Wall-mounted fixture for 60W tubular lamps with S14s cap
- Horizontal installation
- Switch + Shaver socket positioned on left or right
- White painted aluminium/polycarbonate bowl
- White or chrome finish

Code	Description	Barcode
Elan		
0053410	ELAN White Switch 60W +L	5410288534107
0053411	ELAN Chromed Switch 60W +L	5410288534114

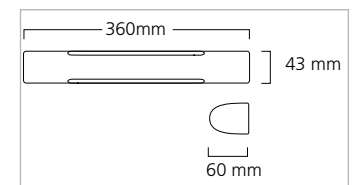


Incandescent

## Opalite

- Wall-mounted fixture for 60W tubular lamps with S14s cap
- Horizontal installation
- Switch + Shaver socket

Code	Description	Barcode
Opalite		
0053431	OPALITE Switch 60W +L	5410288534312
0053433	OPALITE Power cord+plug 60W +L	5410288534336



# Ordering Guide for Residential range - Bathroom

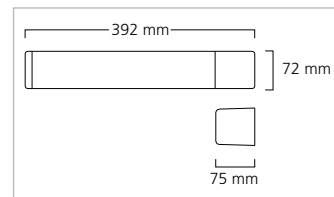


Incandescent

## Swift

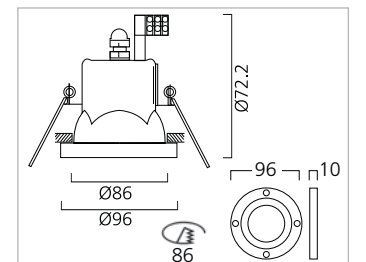
- Wall-mounted fixture for 60W tubular lamps with S14s cap
- Horizontal installation
- Switch or Cord + Shaver socket

Code	Description	Barcode
<b>Swift</b>		
0053420	SWIFT 60W +L	5410288534206
0053421	SWIFT Power cord+P 60W +L	5410288534336



## Lido IP65

- Recessed spotlight with low voltage GU5.3 halogen lamp with 38° beam
- Main insulation for all components
- Protection IP65 – Electrical class III for zones 1, 2 and 3
- Aluminium bezel: diameter 96mm – thickness 10mm
- Finish: Chrome or white. Clear glass



Code	Description	Barcode
<b>Lido 65</b>		
0053442	LIDO IP65 White Dichro 50W 38° GU5.3 +L	5410288534428
0053443	LIDO IP65 Chrome Dichro 50W 38° GU5.3 +L	5410288534435
0053444	LIDO IP65 White Dichro 50W 38° GU5.3 +L+T	5410288534442
0053445	LIDO IP65 Chrome Dichro 50W 38° GU5.3 +L+T	5410288534459
0053446	LIDO IP65 White Dichro 50W 38° GU5.3 +L+T 3SET	5410288534466
0053447	LIDO IP65 Chrome Dichro 50W 38° GU5.3 +L+T 3SET	5410288534473



Halogen

## IP65 RECESSED SPOTLIGHTS

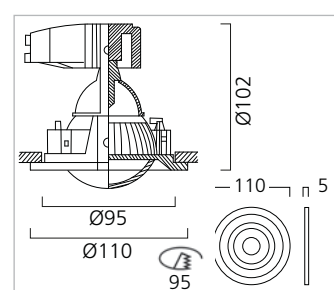


Halogen

## Ludo IP65

- Recessed spotlight for GU10 or low voltage GU5.3 halogen lamps
- Main insulation for all components
- Protection IP65 – Electrical class III for zones 1, 2 and 3
- Aluminium bezel: diameter 110mm – thickness 5mm
- Finish: Chrome or white. Clear or opal glass

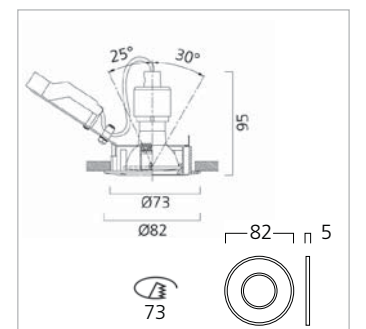
Code	Description	Barcode
<b>Ludo IP65</b>		
0053464	LUDO IP65 Clear E550 50W 25° GU10	5410288534640
0053465	LUDO IP65 Opal E550 50W 25° GU10	5410288534657
0053466	LUDO IP65 Chrome Clear E550 50W 25° GU10	5410288534664
0053467	LUDO IP65 Opal Chrome E550 50W 25° GU10	5410288534671
0053480	LUDO IP65 Clear Dichro 50W 38° GU5.3 +L+T	5410288534800
0053481	LUDO IP65 Opal Dichro 50W 38° GU5.3 +L+T	5410288534817
0053482	LUDO IP65 Chrome Clear Dichro 50W 38° GU5.3 +L+T	5410288534824
0053483	LUDO IP65 Opal Chrome Dichro 50W 38° GU5.3 +L+T	5410288534831
0053484	LUDO IP65 Clear Dichro 50W 38° GU5.3 +L+T 3SET	5410288534848
0053486	LUDO IP65 Chrome Clear Dichro 50W 38° GU5.3 +L+T 3SET	5410288534862



Halogen

## Intro IP65

- Recessed spotlight with low voltage GU5.3 halogen lamp with 38° beam
- Adjustable lamp
- Main insulation for all components
- Protection IP65 – Electrical class III for zones 1, 2 and 3
- Aluminium bezel: diameter 80mm – thickness 5mm
- Finish: Chrome or white. Frosted glass



Code	Description	Barcode
<b>Intro 65</b>		
0053452	INTRO IP65 White Dichro 50W 38° GU5.3 +L	5410288534527
0053453	INTRO IP65 Chrome Dichro 50W 38° GU5.3 +L	5410288534534
0053454	INTRO IP65 White Dichro 50W 38° GU5.3 +L+T	5410288534541
0053455	INTRO IP65 Chrome Dichro 50W 38° GU5.3 +L+T	5410288534558
0053456	INTRO IP65 White Dichro 50W 38° GU5.3 +L+T 3SET	5410288534565
0053457	INTRO IP65 Chrome Dichro 50W 38° GU5.3 +L+T 3SET	5410288534572



# Ordering Guide for Residential range - Kitchen



## STRIP MODULES

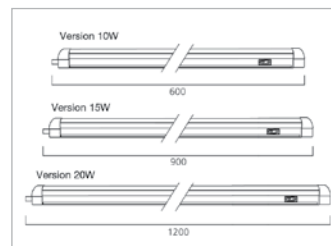


LED

### LS LED

- Ultra-flat design
- Aluminium canopy and end cap
- Integral switch
- Ribbed diffuser for completely uniform light distribution
- 120° beam
- 10 luminaires can be directly connected, in line or in corners
- Plug & Light connection
- Easy practical assembly using steel clips
- 3000K comfortable white light
- Supplied with 90° fixing support
- IP20 – Class II

Code	Description	Barcode
0050987	LS LED 600 10.2W 3000K	-
0050988	LS LED 900 15.3W 3000K	-
0050989	LS LED1200 20.5W 3000K	-



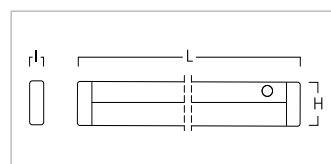
Fluorescent

### LS 100 – 110

- Ultra-compact strip module for energy efficient T5 fluorescent tubes to be installed under kitchen cabinets, bathrooms, etc.
- Extruded aluminium base. Finish: Satin silver (LS100) or white (LS110)
- Ribbed polycarbonate diffuser
- Integral switch. Supplied with connector and wiring (1.5m) and T5 830 tube
- Possible connection to 10 fittings
- IP20 – Class II

Code	Description	Barcode
<b>LS 100 - 110</b>		
0056946	LS110 T5 8W 830 White	5410288569468
0056947	LS110 T5 13W 830 White	5410288569475
0056948	LS110 T5 14W 830 White	5410288569482
0056949	LS110 T5 21W 830 White	5410288569499
0056950	LS110 T5 28W 830 White	5410288569505
0056951	LS110 T5 35W 830 White	5410288569512

0056952	LS100 T5 8W 830 Silver	5410288569529
0056953	LS100 T5 13W 830 Silver	5410288569536
0056954	LS100 T5 14W 830 Silver	5410288569543
0056955	LS100 T5 21W 830 Silver	5410288569550
0056956	LS100 T5 28W 830 Silver	5410288569567
0056957	LS100 T5 35W 830 Silver	5410288569574



Lamp	L	I	H
<b>Dimensions (mm)</b>			
8W	328	31	72
13W	557	31	72
14W	589	31	72
21W	889	31	72
28W	1189	31	72
35W	1489	31	72



Fluorescent

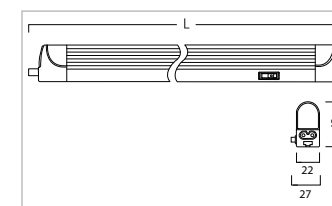
### LS 200

- Ultra-compact strip module for energy efficient T5 fluorescent tubes to be installed under kitchen cabinets, bathrooms, etc.
- Extruded polycarbonate base.
- Ribbed polycarbonate diffuser
- Integral switch. Supplied with connector and wiring (1.5m)
- Possible connection to 10 fittings
- IP20 – Class II

Code	Description	Barcode
<b>LS 200 - 3000K (Comfort white)</b>		
0056958	LS200 T5 6W 830 White	5410288569581
0056959	LS200 T5 8W 830 White	5410288569598
0056960	LS200 T5 14W 830 White	5410288569604
0056961	LS200 T5 21W 830 White	5410288569611
0056962	LS200 T5 28W 830 White	5410288569628
0056963	LS200 T5 35W 830 White	5410288569635

<b>LS 200 - 4000K (Cold white)</b>		
0056964	LS200 T5 6W 840 White	5410288569642
0056965	LS200 T5 8W 840 White	5410288569659
0056966	LS200 T5 14W 840 White	5410288569666
0056967	LS200 T5 21W 840 White	5410288569673
0056968	LS200 T5 28W 840 White	5410288569680

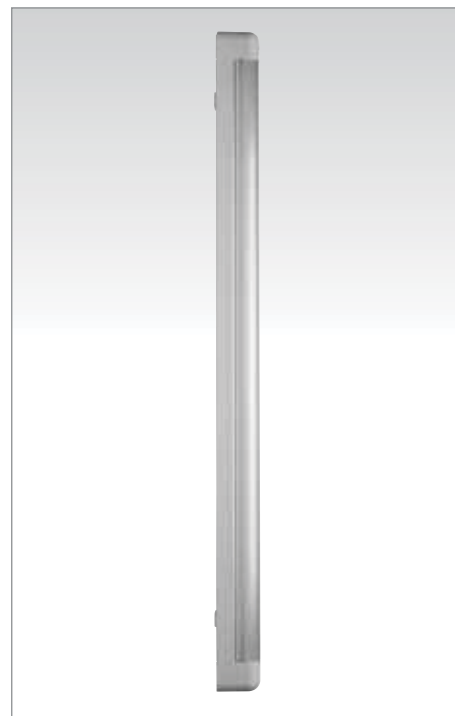
Code	Description	Barcode
<b>LS 200 - 6000K (Daylight)</b>		
0056969	LS200 T5 35W 840 White	5410288569697
0056970	LS200 T5 6W 860 White	5410288569703
0056971	LS200 T5 8W 860 White	5410288569710
0056972	LS200 T5 14W 860 White	5410288569727
0056973	LS200 T5 21W 860 White	5410288569734
0056974	LS200 T5 28W 860 White	5410288569741
0056975	LS200 T5 35W 860 White	5410288569758



Lamp	L	I	H
<b>Dimensions (mm)</b>			
6W	275	23	43
8W	355	23	43
14W	595	23	43
21W	900	23	43
28W	1215	23	43
35W	1505	23	43



# Ordering Guide for Residential range Kitchen

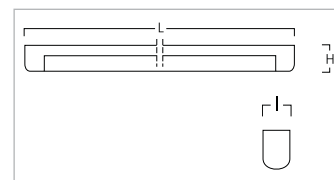


Fluorescent

## LS 400

- Ultra-compact strip module for T8 fluorescent tubes
- Extruded aluminium base. Finish: White
- Ribbed polycarbonate diffuser
- Integral switch. Supplied with connector and wiring (1.5m) and T8 830 tube
- Possible connection to 10 fittings
- IP20 – Class I

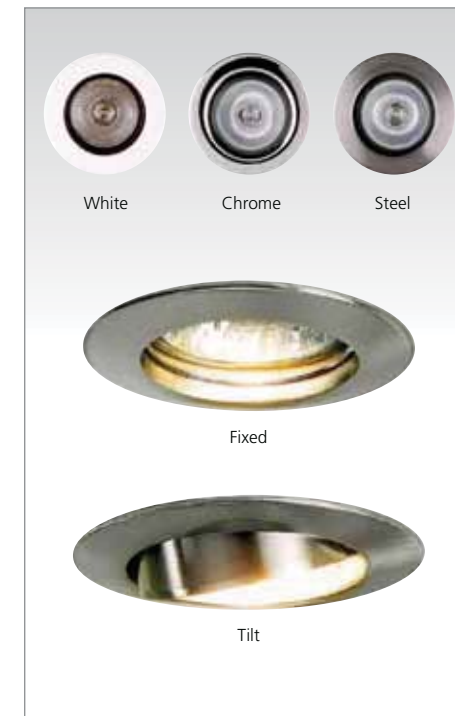
Code	Description	Barcode
<b>LS 400</b>		
0050980	LS400 T8 18W 830 White	5410288509808
0050981	LS400 T8 30W 830 White	5410288509815
0050982	LS400 T8 36W 830 White	5410288509822
0050983	LS400 T8 58W 830 White	5410288509839



Lamp	L	I	H
<b>Dimensions (mm)</b>			
18W	275	35	66
30W	954	35	66
36W	1258	35	66
58W	1559	35	66



# Ordering Guide for Residential range Spotlights



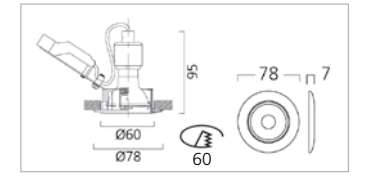
Halogen

## Intro

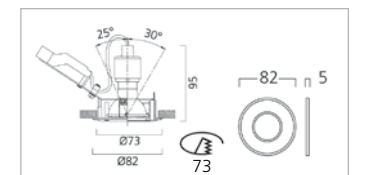
- Aluminium construction
- Fixed or 30° adjustable version
- Dimmable

Code	Description	Barcode
<b>Kit with LED GU10 50W RefLED lamp</b>		
0053511	INTRO Tilt White GU10 50W RefLED +L	5410288535111
0053512	INTRO Tilt Chrome GU10 50W RefLED +L	5410288535128
0053513	INTRO Tilt Steel GU10 50W RefLED +L	5410288535135
<b>Kit with Hi-Spot E550 50W 25° GU10 lamp</b>		
0053514	INTRO Tilt White E550 50W 25° GU10 +L	5410288535142
0053515	INTRO Tilt Chrome E550 50W 25° GU10 +L	5410288535159
0053516	INTRO Tilt Steel E550 50W 25° GU10 +L	5410288535166

<b>Low Voltage Kit with dichoric lamp + transformer</b>		
0053517	INTRO Fixed White 50W 38° GU5.3 +L+T	5410288535173
0053518	INTRO Fixed Chrome 50W 38° GU5.3 +L+T	5410288535180
0053519	INTRO Fixed Steel 50W 38° GU5.3 +L+T	5410288535197
0053520	INTRO Tilt White 50W 38° GU5.3 +L+T	5410288535203
0053521	INTRO Tilt Chrome 50W 38° GU5.3 +L+T	5410288535210
0053522	INTRO Tilt Steel 50W 38° GU5.3 +L+T	5410288535227
0053523	INTRO Fixed White 50W 38° GU5.3 +L+T 3SET	5410288535234
0053524	INTRO Fixed Chrome 50W 38° GU5.3 +L+T 3SET	5410288535241
0053525	INTRO Fixed Steel 50W 38° GU5.3 +L+T 3SET	5410288535258
0053526	INTRO Tilt White 50W 38° GU5.3 +L+T 3SET	5410288535265
0053527	INTRO Tilt Chrome 50W 38° GU5.3 +L+T 3SET	5410288535272
0053528	INTRO Tilt Steel 50W 38° GU5.3 +L+T 3SET	5410288535289



Fixed version



Adjustable version



# Ordering Guide for Residential range Spotlights



White

Steel

Chrome

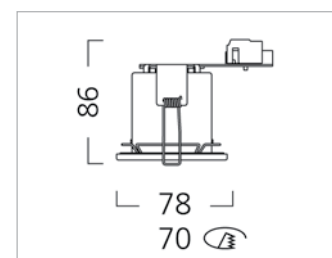
Halogen

### SYL - FIRE Recessed Downlights

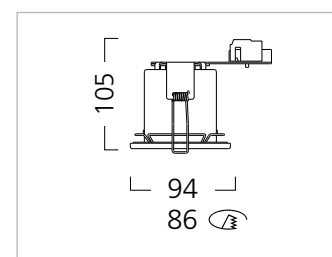
- Range of recessed spotlights designed to meet fire safety standards
- Retards the progress of a fire by preventing it spreading between floors through the hole cut into the ceiling when installing the luminaire
- For low or mains voltage GU10 halogen lamps
- Steel canopy and bezel
- Finish: White, chrome or steel

Code	Description	Barcode
<b>Fixed</b>		
0059501	Syl-Fire Fixed Chrome ES50 50W GU10 +L	5410288595016
0059504	Syl-Fire Fixed White ES50 50W GU10 +L	5410288595047
0059507	Syl-Fire Fixed Steel ES50 50W GU10 +L	5410288595078
0059543	Syl-Fire Fixed Steel Dichro GU5.3 +L+T	5410288595436
0059537	Syl-Fire Fixed Chrome Dichro GU5.3 +L+T	5410288595375
0059540	Syl-Fire Fixed White Dichro GU5.3 +L+T	5410288595405
<b>Adjustable</b>		
0059536	Syl-Fire Tilt Chrome Dichro GU5.3 +L+T	5410288595368
0059539	Syl-Fire Tilt White Dichro GU5.3 +L+T	5410288595399
0059542	Syl-Fire Tilt Steel Dichro GU5.3 +L+T	5410288595429
0059500	Syl-Fire Tilt Chrome ES50 50W GU10 +L	5410288595009
0059503	Syl-Fire Tilt White ES50 50W GU10 +L	5410288595030
0059506	Syl-Fire Tilt Steel ES50 50W GU10 +L	5410288595061
<b>IP65 Protection</b>		
0059502	Syl-Fire IP65 Chrome ES50 50W GU10 +L	5410288595023
0059505	Syl-Fire IP65 White ES50 50W GU10 +L	5410288595054
0059508	Syl-Fire IP65 Steel ES50 50W GU10 +L	5410288595085
0059538	Syl-Fire IP65 Chrome Dichro GU5.3 +L+T	5410288595382
0059541	Syl-Fire IP65 White Dichro GU5.3 +L+T	5410288595412
0059544	Syl-Fire IP65 Steel Dichro GU5.3 +L+T	5410288595443

### Fixed Dimensions



### Adjustable and IP65 dimensions



## CLASS-LEADING LED LAMPS

The very best in European manufacturing



We invented the original halogen GU10 at our factory in Belgium over 15 years ago. Today we continue to be at the forefront of lamp innovation with breakthroughs in LED.

Products include the highly commended **HI-SPOT RefLED ES50 GU10 350lm**, the first LED retrofit with the power to directly replace a 50W halogen, and the much anticipated **RefLED MR16**, the first retrofit MR16 LED lamp to achieve 450lm without the use of an active cooling fan.

Sylvania – leading the way in LED technology.