



A more extensive special applications catalogue is available from your local Sylvania office (English language version)

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GENERAL INTRODUCTION

In addition to offering one of the widest ranges of conventional lamps, Sylvania also offers a comprehensive range of lamps to meet a diverse range of specialist applications. This special product range includes major categories such as Photo-Optic, Petcare and Sun Tanning lamps, as well as a multitude of other more specialized niche products. The key to the success of these products depends very much on satisfying the unique requirements of our Speciality customers. Critical factors in this process are: quality assurance, reliability, highly skilled sales support and a dependable distribution network.

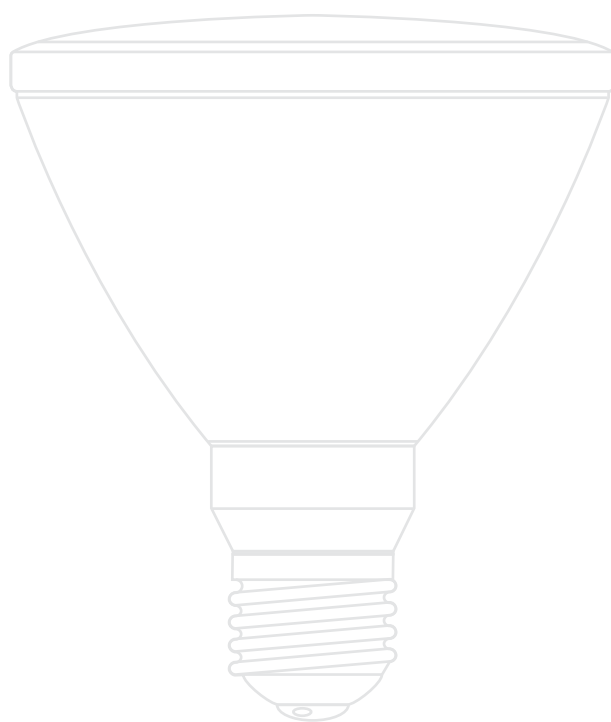




PHOTO OPTIC

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



AQUARIUM & TERRARIUM

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 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.



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.



FOOD DISPLAY

With a modified special spectrum, food display lamps are the perfect lighting for butchers, bakeries and supermarkets. In particular, meat products can be displayed very attractively using this form of specialist lamp. Food display lamps have an excellent colour rendering and are direct retrofit for conventional T8 lamps.

HI-SPOT

ES50 GU10 COLOURED



FEATURES

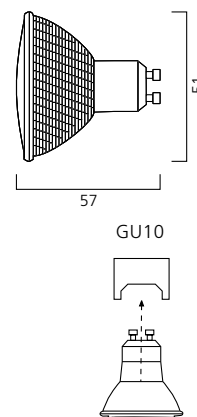
- Transparent lens in real natural coloured glass
- Pure, saturated beam colours without the usual rainbow-effect halo
- Four colours available: red, yellow, green and blue
- Unique, patented, computer designed spiral faceted aluminised reflector
- Available in medium flood version: 25°

APPLICATIONS

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

DIRECTIONS FOR USE

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



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

HI-SPOT ES50 GU10 COLOURED

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



PAR 38 COLOURED



FEATURES

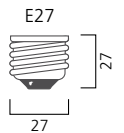
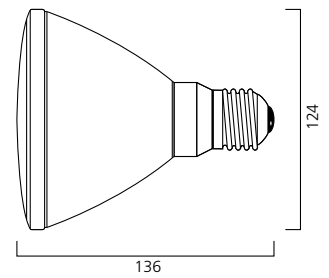
- Parabolic-shaped reflector made from hard glass
- Coloured front lens
- Choice of four colours: Blue, Green Red, and Yellow

APPLICATIONS

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

DIRECTIONS FOR USE

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



PAR 38 COLOURED

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



PAR 36

Low Voltage



FEATURES

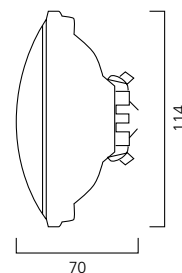
- Pressed glass reflector lamps
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Economical light source for effects
- Halogen version delivers maintained beam intensity throughout life

APPLICATIONS

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

DIRECTIONS FOR USE

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



PAR 36

| Item description | ANSI | LIF | Watt | Voltage | Beam | Approx. Beam Spread 10% Peak CD | Base |
|-----------------------|-------|-----|------|---------|------------------|------------------------------------|----------------|
| PAR 36 6,4V 30W Disco | H4515 | - | 30W | 6.4V | Very Narrow Spot | 5x5° | Screw Terminal |
| PAR 36 12,8V 30W | H4405 | - | 30W | 12.8V | Very Narrow Spot | 6x5° | Screw Terminal |
| PAR 36 12V 50W VNSP | - | - | 50W | 12V | Very Narrow Spot | 6x6° | Screw Terminal |
| PAR 36 12V 50W NSP | - | - | 50W | 12V | Narrow Spot | 11x10° | Screw Terminal |
| PAR 36 12V 50W WFL | - | - | 50W | 12V | Wide Flood | 30x25° | Screw Terminal |
| PAR 36 120V 650W | DWE | - | 650W | 120V | Medium Flood | 40x30° | Screw Terminal |

| Code | Item description | Peak Intensity | Watt | Colour Temp | Rated Av. Life | Burning Position | Packing Quantity |
|---------|-------------------------------|----------------|------|-------------|----------------|------------------|------------------|
| 0060500 | PAR 36 6,4V 30W Disco (H4515) | 55000 cd | 30W | 3200K | 200 hrs | Any | 12 |
| 9020167 | PAR 36 12,8V 30W (H 4405) | 50000 cd | 30W | 3200K | 100 hrs | Any | 12 |
| 0060508 | PAR 36 12V 50W VNSP | 19000 cd | 50W | 3000K | 2000 hrs | Any | 12 |
| 0060501 | PAR 36 12V 50W NSP | 11000 cd | 50W | 3000K | 2000 hrs | Any | 12 |
| 0060502 | PAR 36 12V 50W NFL | 1300 cd | 50W | 3000K | 2000 hrs | Any | 12 |
| 0060503 | PAR 36 120V 650W | 24000 cd | 650W | 3200k | 100 hrs | H15 | 12 |

PAR 56

Low Voltage



FEATURES

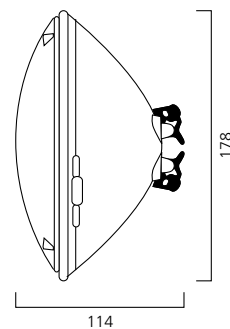
- Pressed glass reflector lamps
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Instant replaceability without the need to re-focus and re-aim fixtures

APPLICATIONS

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

DIRECTIONS FOR USE

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



PAR 56 LOW VOLTAGE

| Item description | ANSI | LIF | Watt | Voltage | Beam | Approx. Beam Spread 10% Peak CD | Base |
|------------------|-------|-----|------|---------|------|------------------------------------|----------------|
| PAR 56 12V 100W | H4545 | - | 100W | 12V | Spot | 9x5° | Screw Terminal |

| Code | Item description | Peak Intensity | Watt | Colour Temp | Rated Av. Life | Burning Position | Packing Quantity |
|---------|------------------------|----------------|------|-------------|----------------|------------------|------------------|
| 0060509 | PAR 56 12V 100W (4545) | 225000 cd | 100W | 3200K | 100 hrs | Any | 12 |



PAR 56

Mains Voltage



FEATURES

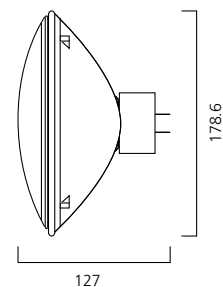
- Pressed glass reflector lamps
- Beam patterns: from very narrow spot through wide angle floods
- Consistency from lamp to lamp
- Instant replaceability without the need to re-focus and re-aim fixtures

APPLICATIONS

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

DIRECTIONS FOR USE

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



PAR 56 MAINS VOLTAGE

| Item description | ANSI | LIF | Watt | Voltage | Beam type | Approx. Beam Spread | | Base |
|----------------------|------|-----|------|---------|--------------|---------------------|-------------|-------|
| | | | | | | 10% Peak CD | 50% Peak CD | |
| PAR 56 300W NSP 240V | - | - | 300W | 240V | Narrow Spot | 20°x14° | 10°x8° | GX16d |
| PAR 56 300W MFL 240V | - | - | 300W | 240V | Medium Flood | 34°x19° | 23°x11° | GX16d |
| PAR 56 300W WFL 240V | - | - | 300W | 240V | Wide Flood | 57°x27° | 37°x18° | GX16d |

| Code | Item description | Peak Intensity | Watt | Colour Temp | Rated Av. Life | Burning Position | Packing Quantity |
|---------|----------------------|----------------|------|-------------|----------------|------------------|------------------|
| 0060513 | PAR 56 300W NSP 240V | 70000 cd | 300W | 2750K | 2000 hrs | Any | 12 |
| 0060514 | PAR 56 300W MFL 240V | 30000 cd | 300W | 2750K | 2000 hrs | Any | 12 |
| 0060515 | PAR 56 300W WFL 240V | 10000 cd | 300W | 2750K | 2000 hrs | Any | 12 |



PAR 56 12V Swimming Pool



FEATURES

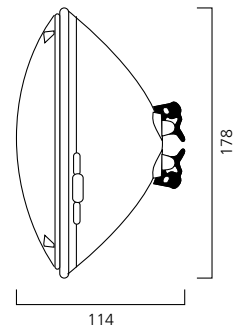
- Low voltage (12V) for safety reasons
- Heat resistant glass
- Sturdily constructed lamp absorbs mechanical shocks
- Wide beam

APPLICATIONS

- Swimming Pools
- Fountains

DIRECTIONS FOR USE

- High running current (25A)



PAR 56 12V SWIMMING POOL

| Item description | ANSI | LIF | Watt | Voltage | Approx. Beam Spread Hor. x Vert. Degrees | Base |
|----------------------------------|------|-----|------|---------|---|-------|
| PAR 56 12V 300W Swimming Pool | - | - | 300W | 12V | 50 x 25 | Screw |

| Code | Item description | Peak Intensity | Watt | Colour Temp | Rated Av. Life | Burning Position | Packing Quantity |
|----------------|----------------------------------|----------------|------|-------------|----------------|------------------|------------------|
| 9061532 | PAR 56 12V 300W Swimming Pool | 12000 cd | 300W | 2850K | 1000 hrs | S45 | 12 |



PAR 56 12V LED Swimming Pool



FEATURES

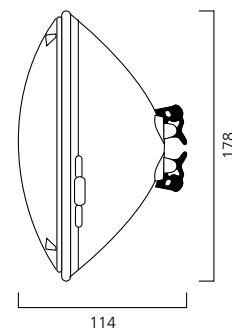
- Choice between RGB or fixed white version
- High power LED retrofit for incandescent PAR lamps
- Produces full spectrum of rich colours or white (multi colours)
- Sylvania patent pending colour control technology
- Simple on/off switching sets colour changing or fixed mode (can be achieved by using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

APPLICATIONS

- All retrofit PAR56 underwater
- Swimming Pools
- Fountains

DIRECTIONS FOR USE

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



Remote Control



Receiver

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.

PAR 56 12V LED SWIMMING POOL

| Code | Item description | Watt | Voltage | Current | Peak Intensity | Beam Angle ° | Bulb | Base | Packing Qty. |
|---------|---------------------------------|------|---------|---------|----------------|--------------|-------|------------|--------------|
| 0060526 | PAR 56 LED POOL RGB+multicolour | 25W | 12V | 1,15A | 1000 cd | 25 | PAR56 | Screw Lugs | 6 |
| 0060524 | PAR 56 LED POOL White colour | 25W | 12V | 1,15A | 1000 cd | 25 | PAR56 | Screw Lugs | 6 |

Optional remote control Unit :

| | | | | | | | | | |
|---------|---------------------------|-----------|-------------|---------|---------|---|---|-----------------|---|
| 0060523 | PAR 56 LED Receiver | max. 250W | 110/250 | max. 1A | 50/60Hz | - | - | Screw Terminals | 6 |
| 0060522 | PAR 56 LED Remote Control | - | 12V Battery | - | - | - | - | - | 6 |



Red



Green



Multi colour/white

PAR 64

Mains Voltage

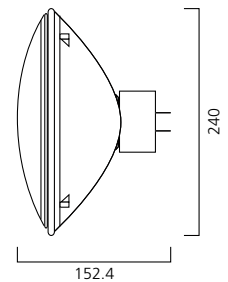


FEATURES

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

APPLICATIONS

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



PAR 64 MAINS VOLTAGE

| Item description | ANSI | LIF | Watt | Voltage | Beam type | Approx. Beam Spread | | Base |
|-----------------------------|------|------|-------|---------|------------------|---------------------|-------------|-------|
| | | | | | | 10% Peak CD | 50% Peak CD | |
| PAR 64 CP86 240V 500W VNSP | - | CP86 | 500W | 240V | Very Narrow Spot | 16x13 | 10x7 | Gx16d |
| PAR 64 CP87 240V 500W NSP | - | CP87 | 500W | 240V | Narrow Spot | 19x16 | 11x9 | Gx16d |
| PAR 64 CP88 240V 500W MFL | - | CP88 | 500W | 240V | Medium Flood | 32x19 | 21x10 | Gx16d |
| PAR 64 CP60 240V 1000W NSP | EXC | CP60 | 1000W | 240V | Narrow Spot | 20x17 | 12x6 | Gx16d |
| PAR 64 CP61 240V 1000W SP | EXD | CP61 | 1000W | 240V | Spot | 23x20 | 14x7 | Gx16d |
| PAR 64 CP62 240V 1000W MFL | EXE | CP62 | 1000W | 240V | Medium Flood | 39x24 | 28x12 | Gx16d |
| PAR 64 CP95 240V 1000W XWFL | EXG | CP95 | 1000W | 240V | Extra Wide Flood | 125x95 | 70x70 | Gx16d |

| Code | Item description | Peak Intensity | Watt | Colour Temp | Rated Av. Life | Burning Position | Packing Quantity |
|---------|----------------------------|----------------|-------|-------------|----------------|------------------|------------------|
| 9061146 | PAR 64 CP86 240V 500W VNSP | 240000 cd | 500W | 3200K | 300 hrs | Any | 6 |
| 9061147 | PAR 64 CP87 240V 500W NSP | 140000 cd | 500W | 3200K | 300 hrs | Any | 6 |
| 9061148 | PAR 64 CP88 240V 500W MFL | 65000 cd | 500W | 3200K | 300 hrs | Any | 6 |
| 9061109 | PAR 64 CP60 240V 1000W NSP | 400000 cd | 1000W | 3200K | 300 hrs | Any | 6 |
| 9061127 | PAR 64 CP61 240V 1000W SP | 275000 cd | 1000W | 3200K | 300 hrs | Any | 6 |
| 9061128 | PAR 64 CP62 240V 1000W MFL | 130000 cd | 1000W | 3200K | 300 hrs | Any | 6 |
| 9061129 | PAR 64 CP95 240V 1000W | 15000 cd | 1000W | 3200K | 300 hrs | Any | 6 |

BLACKLIGHT BLUE LAMPS



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

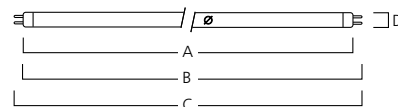


Fig. 1

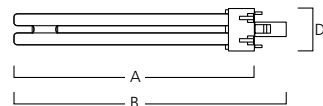
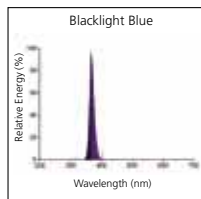


Fig. 2

APPLICATIONS

- Special effects
- Counterfeit detection in philately, bank notes, papers, etc.
- 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 differ from standard fluorescent lamps only in the type and composition of phosphor used. The bulb is made of special dark-blue filter glass that absorbs practically all of the visible light, yet freely transmits the ultraviolet radiation. Fixture requirements are simple since the lamp is a completely self-contained blacklight unit.

BLACKLIGHT BLUE LAMPS

| Item description | Watt | Voltage | Current | Spectral Peak nm | Cap | UV-A Irradiance at 1 meter $\mu\text{W}/\text{cm}^2$ | Life |
|------------------|------|---------|---------|------------------|-----|--|----------|
| F4 T5 BLB | 4W | 29V | 0.170A | 365 | G5 | ≥ 4.5 | 5000 hrs |
| F6 T5 BLB | 6W | 42V | 0.160A | 365 | G5 | ≥ 7 | 5000 hrs |
| F8 T5 BLB | 8W | 56V | 0.145A | 365 | G5 | ≥ 10 | 5000 hrs |
| F15 T8 BLB | 15W | 55V | 0.310A | 365 | G13 | ≥ 22.5 | 7000 hrs |
| F18 T8 BLB | 18W | 57V | 0.370A | 365 | G13 | ≥ 34.5 | 7000 hrs |
| F30 T8 BLB | 30W | 96V | 0.365A | 365 | G13 | ≥ 36.5 | 8000 hrs |
| F36 T8 BLB | 36W | 103V | 0.430A | 365 | G13 | ≥ 39 | 8000 hrs |
| F20 T12 BLB | 20W | 57V | 0.370A | 350 | G13 | ≥ 15.5 | 7000 hrs |
| F40 T12 BLB | 40W | 103V | 0.420A | 350 | G13 | ≥ 17.5 | 8000 hrs |
| LYNX-S 9W BLB | 9W | 60V | 0.170A | 365 | G23 | ≥ 8.5 | 8000 hrs |
| LYNX-S 11W BLB | 11W | 90V | 0.155A | 365 | G23 | ≥ 17.5 | 8000 hrs |

| Code | Item description | Dimensions | | | | Figure Nr. | Packing Quantity |
|---------|------------------|------------|---------|-------|-------|------------|------------------|
| | | A (mm) | L B(mm) | C(mm) | D(mm) | | |
| 000008 | F4 T5 BLB | 136 | 143 | 150 | 16 | 1 | 50 |
| 000018 | F6 T5 BLB | 212 | 219 | 226 | 16 | 1 | 50 |
| 000024 | F8 T5 BLB | 288 | 295 | 303 | 16 | 1 | 50 |
| 000077 | F15 T8 BLB | 437 | 445 | 452 | 26 | 1 | 100 |
| 0000698 | F18 T8 BLB | 590 | 597 | 604 | 26 | 1 | 100 |
| 0000158 | F30 T8 BLB | 895 | 902 | 909 | 26 | 1 | 25 |
| 0000699 | F36 T8 BLB | 1199 | 1207 | 1214 | 26 | 1 | 25 |
| 9000358 | F20 T12 BLB | 590 | 599 | 604 | 41 | 1 | 25 |
| 9000186 | F40 T12 BLB | 1199 | 1207 | 1214 | 41 | 1 | 25 |
| 0025043 | LYNX-S 9W BLB | 145 | 167 | 28 | 12 | 2 | 200 |
| 0025042 | LYNX-S 11W BLB | 215 | 237 | 28 | 12 | 2 | 200 |

T8 COLOURED



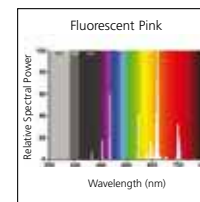
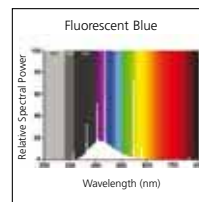
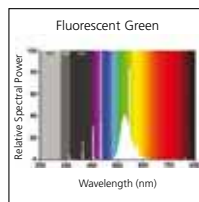
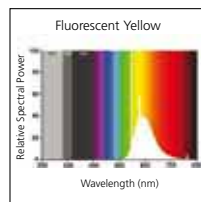
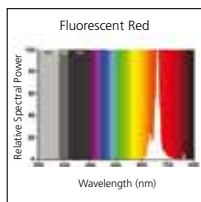
FEATURES

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

APPLICATIONS

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

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



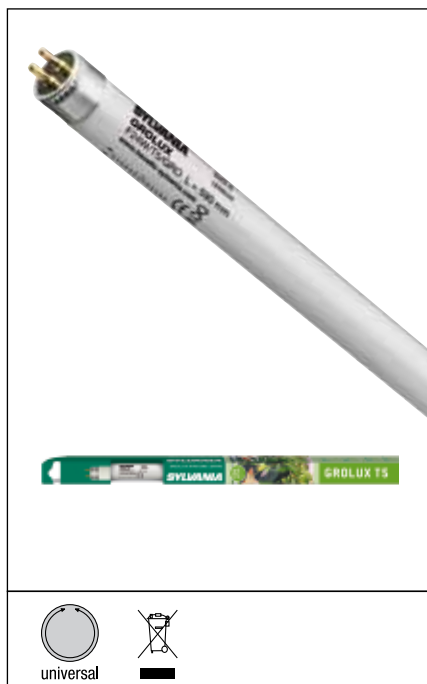
T8 COLOURED

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



GROLUX

T5



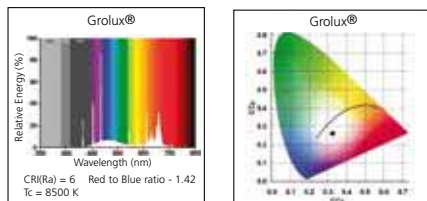
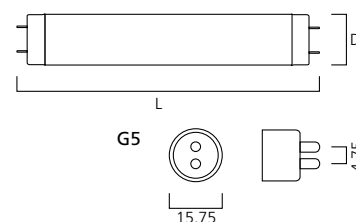
FEATURES

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

| T5 standard | 8W | 24W | 39W | 54W | 80W | |
|-------------|-----|-----|-----|------|------|------|
| L | 288 | 549 | 849 | 1149 | 1449 | |
| D | 16 | 16 | 16 | 16 | 16 | |
| T5 /8 | 24W | 28W | 35W | 45W | 54W | 54W |
| L | 438 | 590 | 742 | 895 | 1047 | 1200 |
| D | 16 | 16 | 16 | 16 | 16 | 16 |



GROLUX T5

| Industrial Pack Qty. per 25 | Retail Pack Qty. per 10 | Item description | Comparable Wattage in T8 | Watt | Colour | Cap | Diameter |
|-----------------------------|-------------------------|--------------------|--------------------------|------|--------|-----|----------|
| 0000026 | - | F8W/GRO | - | 8W | GroLux | G5 | T5 |
| 0002740 | 0000728 | FHO24W/GRO | - | 24W | GroLux | G5 | T5 |
| 0002743 | 0000729 | FHO39W/GRO | - | 39W | GroLux | G5 | T5 |
| 0002746 | 0000730 | FHO54W/GRO | - | 54W | GroLux | G5 | T5 |
| 0002749 | - | FHO80W/GRO | - | 80W | GroLux | G5 | T5 |
| - | 0002821 | F24W T5 /8 Gro-Lux | 15 | 24W | GroLux | G5 | T5 |
| - | 0002823 | F28W T5 /8 Gro-Lux | 18 | 28W | GroLux | G5 | T5 |
| - | 0002825 | F35W T5 /8 Gro-Lux | 25 | 35W | GroLux | G5 | T5 |
| - | 0002827 | F45W T5 /8 Gro-Lux | 30 | 45W | GroLux | G5 | T5 |
| - | 0002829 | F54W T5 /8 Gro-Lux | 38 | 54W | GroLux | G5 | T5 |
| - | 0002831 | F54W T5 /8 Gro-Lux | 36 | 54W | GroLux | G5 | T5 |

Packaging Note: The sleeve pictured is for retail sales.



GROLUX

T8/MiniLynx

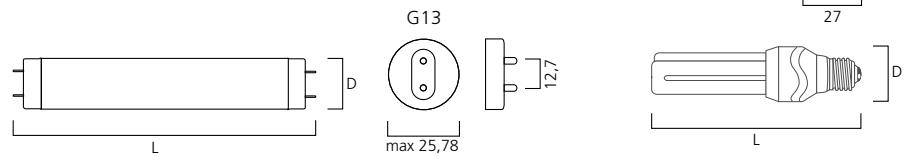


FEATURES

- 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

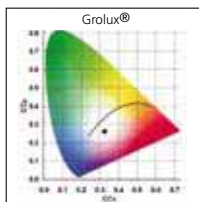
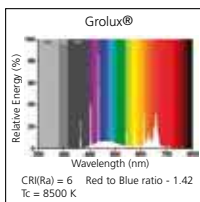
APPLICATIONS

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



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

| Minilyn | 18W |
|---------|-----|
| L | 178 |
| D | 38 |



GROLUX T8/MINILYNX

| Industrial Pack Qty. per 25 | Retail Pack Qty. per 10 | Retail Pack Qty. per 20 | Item description | Watt | Colour | Cap | Diameter |
|-----------------------------|-------------------------|-------------------------|------------------|------|---------|-----|----------|
| 0000043 | 0000707 | - | F14W/GRO | 14W | Gro-Lux | G13 | T8 |
| 0000069 | 0000708 | - | F15W/GRO | 15W | Gro-Lux | G13 | T8 |
| 0001523 | 0000709 | - | F18W/GRO | 18W | Gro-Lux | G13 | T8 |
| 0001679 | 0000710 | - | F25W/30"/GRO | 25W | Gro-Lux | G13 | T8 |
| 0000150 | 0000711 | - | F30W/GRO | 30W | Gro-Lux | G13 | T8 |
| 0001524 | 0000712 | - | F36W/GRO | 36W | Gro-Lux | G13 | T8 |
| 0002213 | 0000713 | - | F38W/GRO | 38W | Gro-Lux | G13 | T8 |
| 0001525 | 0000714 | - | F58W/GRO | 58W | Gro-Lux | G13 | T8 |
| - | - | 0026484 | Minilyn 18W/GRO | 18W | Gro-Lux | E27 | - |

Packaging Note: The sleeve pictured is for retail sales.



AQUASTAR

T5



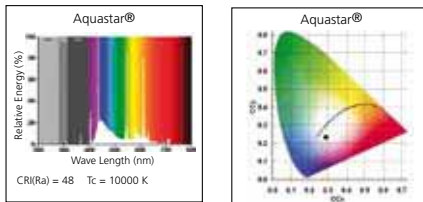
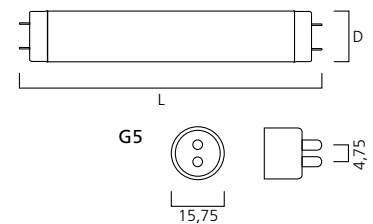
FEATURES

- 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 /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

| T5 standard | 24W | 39W | 54W | 80W | | |
|-------------|-----|-----|------|------|------|------|
| L | 549 | 849 | 1149 | 1449 | | |
| D | 16 | 16 | 16 | 16 | | |
| T5 /8 | 24W | 28W | 35W | 45W | 54W | 54W |
| L | 438 | 590 | 742 | 895 | 1047 | 1200 |
| D | 16 | 16 | 16 | 16 | 16 | 16 |



AQUASTAR T5

| Industrial Pack Qty. per 25 | Retail Pack Qty. per 10 | Item description | Comparable Wattage in T8 | Watt | Colour Temp | Light Output | Cap | Diameter |
|-----------------------------|-------------------------|---------------------|--------------------------|------|-------------|--------------|-----|----------|
| 0002741 | 0002752 | FHO24W/Aquastar | - | 24W | 10000K | 1120 lm | G5 | T5 |
| 0002744 | 0002753 | FHO39W/Aquastar | - | 39W | 10000K | 1960 lm | G5 | T5 |
| 0002747 | 0002754 | FHO54W/Aquastar | - | 54W | 10000K | 2800 lm | G5 | T5 |
| 0002750 | - | FHO80W/Aquastar | - | 80W | 10000K | 3500 lm | G5 | T5 |
| - | 0002820 | F24W T5 /8 Aquastar | 15 | 24W | 10000K | 900 lm | G5 | T5 |
| - | 0002822 | F28W T5 /8 Aquastar | 18 | 28W | 10000K | 1200 lm | G5 | T5 |
| - | 0002824 | F35W T5 /8 Aquastar | 25 | 35W | 10000K | 1700 lm | G5 | T5 |
| - | 0002826 | F45W T5 /8 Aquastar | 30 | 45W | 10000K | 2100 lm | G5 | T5 |
| - | 0002828 | F54W T5 /8 Aquastar | 38 | 54W | 10000K | 2500 lm | G5 | T5 |
| - | 0002830 | F54W T5 /8 Aquastar | 36 | 54W | 10000K | 2900 lm | G5 | T5 |

Packaging Note: The sleeve pictured is for retail sales.



AQUASTAR

T8

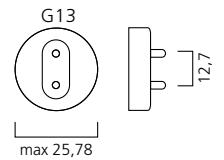


FEATURES

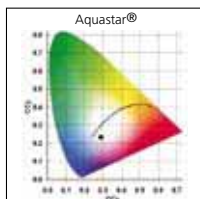
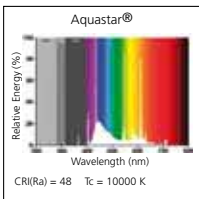
- Light colour: 10000 Kelvin (simulating the tropical light spectrum)
- Promotes the growth of coral and aquatic plants through natural red and blue sections of the light spectrum
- Excellent lighting performance

APPLICATIONS

- For all biological organisms in fresh and marine water aquariums



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



AQUASTAR T8

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

Packaging Note: The sleeve pictured is for retail sales.



DAYLIGHTSTAR

T8

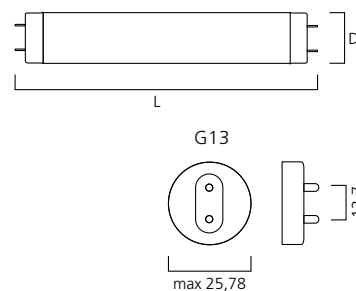


FEATURES

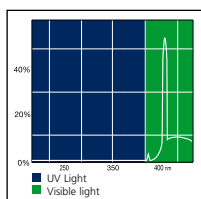
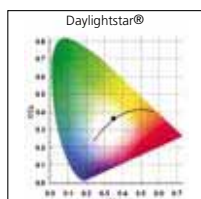
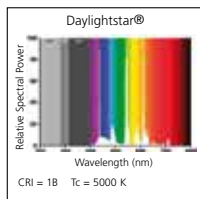
- Reduces algae growth through a special UV-STOP protective sleeve
- Allows fish and plants to be seen in their true colours (high colour rendition)
- 5000K triphosphor lamp with a daylight character
- High colour rendition
- Long life

APPLICATIONS

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



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



DAYLIGHTSTAR T8

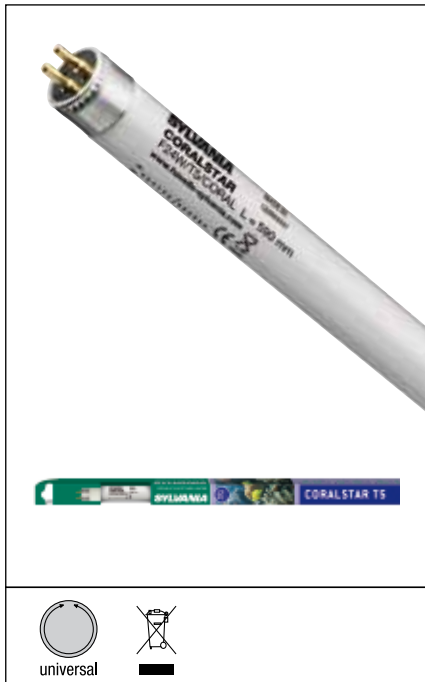
| Industrial Pack Qty. per 25 | Retail Pack Qty. per 10 | Item description | Watt | Colour | Cap | Diameter |
|--------------------------------|----------------------------|-------------------|------|--------------|-----|----------|
| - | 0000715 | F15W/Daylightstar | 15W | Daylightstar | G13 | T8 |
| - | 0000716 | F18W/Daylightstar | 18W | Daylightstar | G13 | T8 |
| - | 0000717 | F30W/Daylightstar | 30W | Daylightstar | G13 | T8 |
| - | 0000718 | F36W/Daylightstar | 36W | Daylightstar | G13 | T8 |

Packaging Note: The sleeve pictured is for retail sales.



CORALSTAR

T5



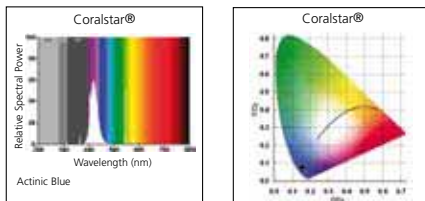
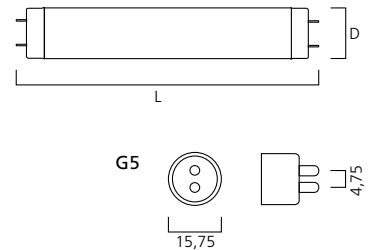
FEATURES

- 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 **T5 /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

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

| T5 standard | 24W | 39W | 54W | 80W |
|-------------|-----|-----|------|------|
| L | 549 | 849 | 1149 | 1449 |
| D | 16 | 16 | 16 | 16 |
| T5 /8 | 24W | 45W | 54W | |
| L | 590 | 895 | 1200 | |
| D | 16 | 16 | 16 | |



CORALSTAR T5

| Industrial Pack Qty. per 25 | Retail Pack Qty. per 10 | Item description | Comparable Wattage in T8 | Watt | Colour | Cap | Diameter |
|-----------------------------|-------------------------|----------------------|--------------------------|------|---------|-----|----------|
| 0002742 | - | FHO24W/Coralstar | - | 24W | Actinic | G5 | T5 |
| 0002745 | 0002755 | FHO39W/Coralstar | - | 39W | Actinic | G5 | T5 |
| 0002748 | 0002756 | FHO54W/Coralstar | - | 54W | Actinic | G5 | T5 |
| 0002751 | - | FHO80W/Coralstar | - | 80W | Actinic | G5 | T5 |
| - | 0002757 | F28W T5 /8 Coralstar | 18 | 28W | Actinic | G5 | T5 |
| - | 0002758 | F45W T5 /8 Coralstar | 30 | 45W | Actinic | G5 | T5 |
| - | 0002759 | F54W T5 /8 Coralstar | 36 | 54W | Actinic | G5 | T5 |

Packaging Note: The sleeve pictured is for retail sales.



CORALSTAR

T8

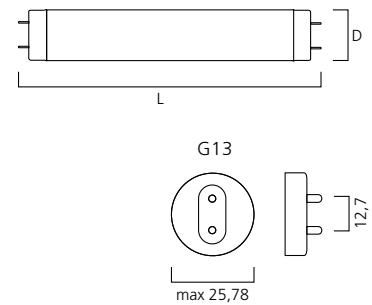


FEATURES

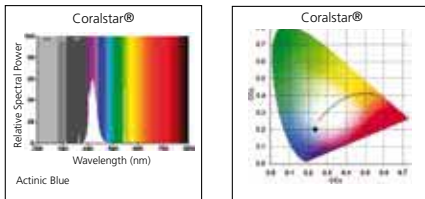
- Reproduces light conditions found at coral reefs through actinic blue light
- Promotes the growth of coral and invertebrates by supporting the growth of zooxanthellae
- See coral in its true colour(s)

APPLICATIONS

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



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



CORALSTAR T8

| Industrial Pack Qty. per 25 | Retail Pack Qty. per 10 | Item description | Watt | Colour | Cap | Diameter |
|--------------------------------|----------------------------|------------------|------|---------|-----|----------|
| - | 0000719 | F18W/Coralstar | 18W | Actinic | G13 | T8 |
| - | 0000725 | F30W/Coralstar | 30W | Actinic | G13 | T8 |
| - | 0000726 | F36W/Coralstar | 36W | Actinic | G13 | T8 |

Packaging Note: The sleeve pictured is for retail sales.



MARINESTAR

T5 15000K



universal

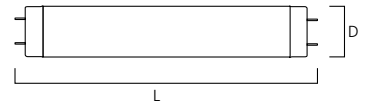


FEATURES

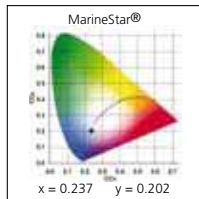
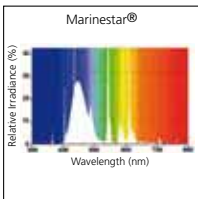
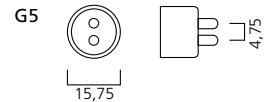
- Ideal lamp for marine lighting.
- High colour rendering of the marine aquatic environment
- High colour temperature: 15000K
- Reproduces light conditions found at coral reefs through radiation in the 420-510 nm wavelength.
- Promotes the growth of coral and invertebrates by supporting the growth of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

APPLICATIONS

- Lighting of marine water aquaria



| T5 standard | 24W | 39W | 54W | 80W |
|-------------|-----|-----|------|------|
| L | 549 | 849 | 1149 | 1449 |
| D | 16 | 16 | 16 | 16 |



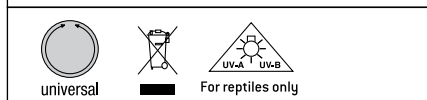
MARINESTAR T5 1500K

| Code | Item description | Watt | Colour | Cap | Diameter |
|---------|--------------------|------|--------|-----|----------|
| 0002720 | FHO24W/Marinarstar | 24W | 15000K | G5 | T5 |
| 0002721 | FHO39W/Marinarstar | 39W | 15000K | G5 | T5 |
| 0002722 | FHO54W/Marinarstar | 54W | 15000K | G5 | T5 |
| 0002723 | FHO80W/Marinarstar | 80W | 15000K | G5 | T5 |



REPTISTAR

T8



FEATURES

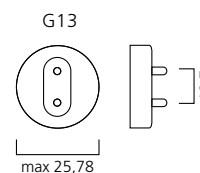
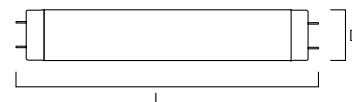
- Promotes vitamin D3 production which aids good health, growth and the general well-being of reptiles in terrariums through a high content of UVB (up to 5%) and UVA (up to 30%)
- This full spectrum (6500 K) lamp improves the natural appearance of reptiles
- Shows reptiles in their true colours

APPLICATIONS

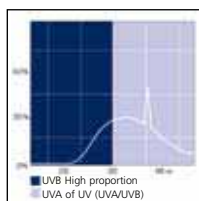
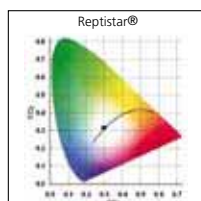
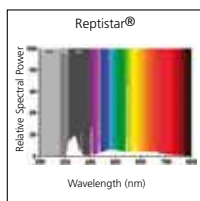
- For the artificial lighting of reptiles in terrariums

DIRECTIONS FOR USE

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



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



REPTISTAR T8

| Code | Item description | Watt | Colour | Cap | Light output | Ordering Quantity | Diameter |
|---------|------------------|------|-----------|-----|--------------|-------------------|----------|
| 0000731 | F15W/Reptistar | 15W | Reptistar | G13 | 300 lm | 10 | T8 |
| 0000732 | F18W/Reptistar | 18W | Reptistar | G13 | 450 lm | 10 | T8 |
| 0000733 | F30W/Reptistar | 30W | Reptistar | G13 | 700 lm | 10 | T8 |
| 0000734 | F36W/Reptistar | 36W | Reptistar | G13 | 1000 lm | 10 | T8 |

Packaging Note: The sleeve pictured is for retail sales.



REPTISTAR

MiniLynx



universal For reptiles only

FEATURES

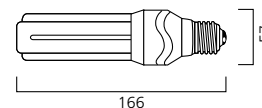
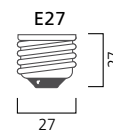
- High UV-B radiation. UV-B peak intensity @ 100mm: 160 $\mu\text{W}/\text{cm}^2$ for 6% version and 200 $\mu\text{W}/\text{cm}^2$ for the 8% version
- Works on the mains (220-240V) without any special supplementary ballast
- Easy handling: E27 cap
- Effective lamp life: 4000 hrs*

APPLICATIONS

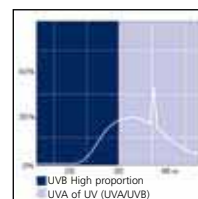
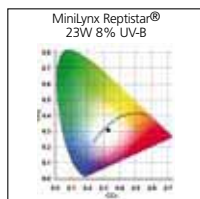
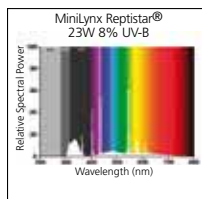
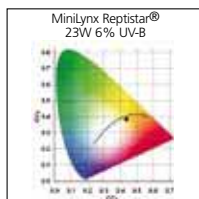
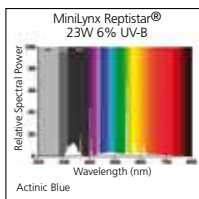
- Provides the necessary UV-B radiation for reptiles in a terrarium in order to keep them healthy
- Two versions (6% and 8%) in order to adapt to the type of reptile
- Also used in certain industrial applications

DIRECTIONS FOR USE

- This lamp emits UV-radiation. Avoid exposure to skin and eyes
- Not suitable for household room illumination
- Burning position: unrestricted
- Lamps comply with EN 60968 (Safety Requirement) and EN 60969 (Performance Requirements) and CE regulations
- Effective life: time to 50% of 100 hours UVB output



166



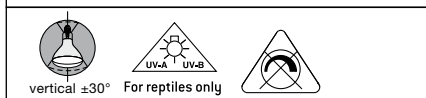
REPTISTAR MINILYNX

| Code | Item description | Watt | Mains Voltage | Current | Cap | Colour Temp | Luminous Flux | CRI Class | Spectral Power UV-A At 100mm in $\mu\text{W}/\text{cm}^2$ | Spectral Power UV-B At 100mm in $\mu\text{W}/\text{cm}^2$ | Packing Qty. |
|---------|-------------------------------|------|---------------|---------|-----|-------------|---------------|-----------|---|---|--------------|
| 0027275 | MiniLynx 23W Reptistar 6%UV-B | 23W | 220-240V | 57mA | E27 | 6500K | 600 lm | 1b | 610 | 160 | 10 |
| 0027276 | MiniLynx 23W Reptistar 8%UV-B | 23W | 220-240V | 57mA | E27 | 6500k | 540 lm | 1b | 750 | 200 | 10 |



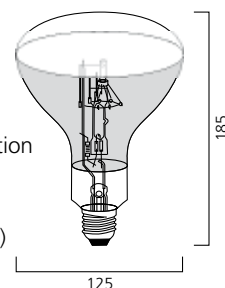
REPTISTAR

Mixed



FEATURES

- Tungsten filament provides infra-red radiation
- Mercury discharge provides ultra-violet radiation
- Powerful UV-B generation but without dangerous UV-C output
- Optimal beam angle of 35-45° for maximum utilisation of the radiation
- Self-ballasted design operates directly on the mains
- Easy handling: E27 screw cap
- Pleasant colour temperature of 4000K (100W) and 4200K (160W)

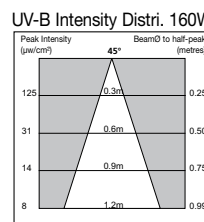
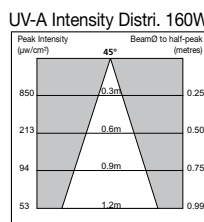
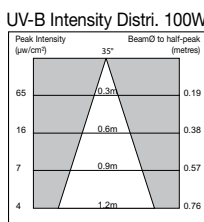
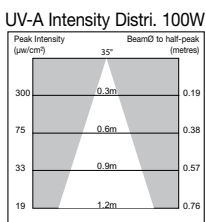
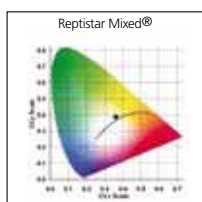
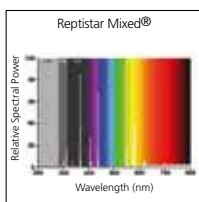


APPLICATIONS

- Provides the necessary radiation for reptiles and birds in captivity
 - UV-B: Production of Vitamin D3 to maintain healthy skin and bones
 - Infra Red: Provides the warmth which cold-blooded animals are used to in nature
- Horticulture
- Photochemical scientific

DIRECTIONS FOR USE

- Burning position: VBU $\pm 30^\circ$
- Do not stay in the close vicinity of a burning lamp for prolonged periods.
- Protect operating lamp from splashes and liquids.
- Lamps must not be used for personal tanning applications
- Not suitable for household room illumination



REPTISTAR MIXED

| Code | Item description | Watt | Operating Voltage | Current | Cap | Colour Temp | Beam Angle | Peak Intensity | UV-B Peak Intensity At 30cm $\mu\text{W}/\text{cm}^2$ | Rated Average Life | Packing Qty. |
|---------|-----------------------|------|-------------------|---------|-----|-------------|------------|----------------|---|--------------------|--------------|
| 0020421 | HSB-R Reptistar Mixed | 100W | 225-235V | 0,48A | E27 | 4000K | 35° | 600 cd | 65 | 6000 hrs | 6 |
| 0020422 | HSB-R Reptistar Mixed | 160W | 225-235V | 0,77A | E27 | 4200K | 45° | 900 cd | 125 | 6000 hrs | 6 |



AQUA ARC



FEATURES

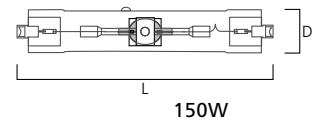
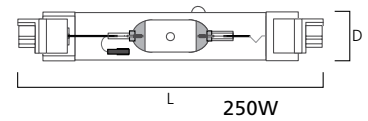
- High light output and good efficiency
- High colour rendering
- Very high colour stability over the whole lamp life
- High colour temperature (10000 K)
- Point-source of light creates attractive shadow effect of water ripples on the aquarium bed

APPLICATIONS

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

DIRECTIONS FOR USE

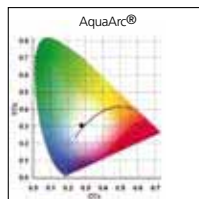
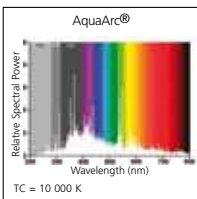
- Burning position: horizontal $\pm 45^\circ$
- External ignitor only
- Only use in luminaires fitted with protective cover glass
- Ensure the lamp envelope is cleaned of finger prints before use
- Lamps should be operated with the arc tube tip-off pointing up-see instructions supplied with lamp
- This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



RX7s-24



FC2



| | 150W | 250W |
|---|------|------|
| L | 135 | 162 |
| D | 25 | 28 |

AquaArc

| Code | Item description | Watt | Voltage | Current | Cap | Bulb finish | Colour Temp | Chromaticity Coordinate | | Light output | Packing Qty. |
|---------|---------------------|------|---------|---------|------|-------------|-------------|-------------------------|-------|--------------|--------------|
| | | | | | | | | x | y | | |
| 0021049 | HSI-TD 150W AquaArc | 150W | 100V | 1.80A | RX7s | clear | 10000K | 0.277 | 0.311 | 9000 lm | 10 |
| 0021050 | HSI-TD 250W AquaArc | 250W | 100V | 3.00A | Fc2 | clear | 10000K | 0.275 | 0.323 | 14000 lm | 10 |



CORALARC



FEATURES

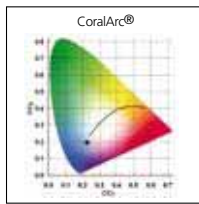
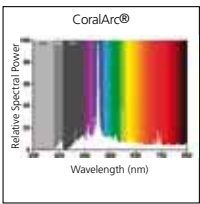
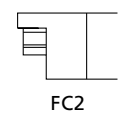
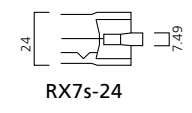
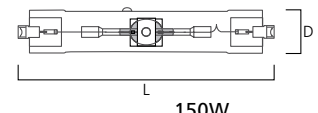
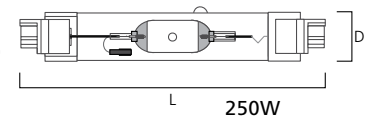
- Very high colour temperature 20000K (bluish light)
- Very high colour stability over the entire lamp life
- Enhanced colour rendition
- Point-source of light creates attractive shadow effect of water ripples on the aquarium bed

APPLICATIONS

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

DIRECTIONS FOR USE

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



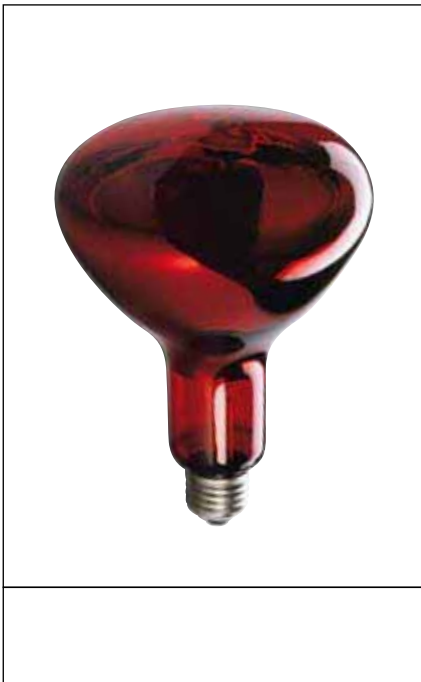
| | 150W | 250W |
|---|------|------|
| L | 135 | 162 |
| D | 25 | 28 |

CoralArc

| Code | Item description | Watt | Voltage | Current | Cap | Bulb finish | Colour | Chromaticity Coordinate x y | Light output | Packing Qty. |
|---------|----------------------|------|---------|---------|------|-------------|--------|-----------------------------|--------------|--------------|
| 0021028 | HSI-TD 150W CoralArc | 150W | 100V | 1.80A | RX7s | clear | blue | 0.261 0.257 | 5400 lm | 10 |
| 0021029 | HSI-TD 250W CoralArc | 250W | 100V | 3.00A | Fc2 | clear | blue | 0.257 0.243 | 8000 lm | 10 |



INFRARED Reflector



FEATURES

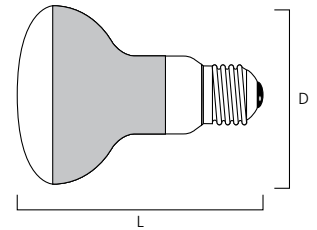
- Converts electric current into infrared radiation

APPLICATIONS

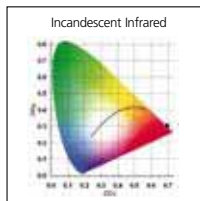
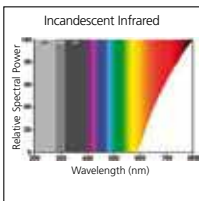
- Provides the necessary infrared radiation for reptiles in terrariums and for other pets like hamsters, mice etc

DIRECTIONS FOR USE

- Not suitable for household room illumination

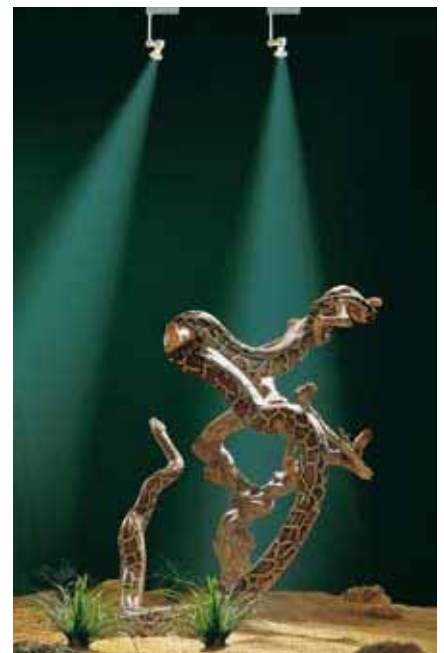


| | 100W | 150W | 250W |
|---|------|------|------|
| L | 130 | 181 | 181 |
| D | 95 | 125 | 125 |



INFRARED REFLECTOR

| Code | Item description | | Watt | Voltage | Cap | Packing Quantity |
|---------|------------------|----------|------|---------|-----|------------------|
| 0033004 | Refl. 100W R 95 | Infrared | 100W | 230V | E27 | 20 |
| 0033002 | Refl. 150W R 125 | Infrared | 150W | 230V | E27 | 10 |



ACTIVA

Seasonal Affective Disorder (SAD)

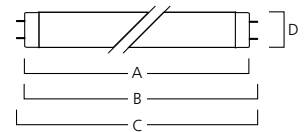


FEATURES

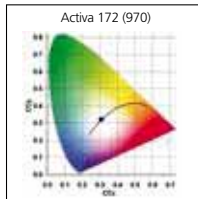
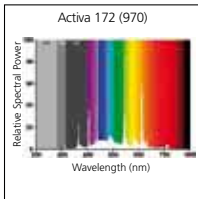
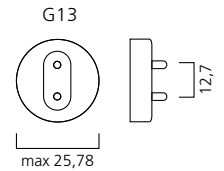
- Full-spectrum high colour rendering T8 fluorescent lamp
- Colour rendering: Ra98/Class 1A
- Colour temperature of 6500K (daylight characteristic)

APPLICATIONS

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



| | A max | B min | B max | C max | D nom |
|-----|----------|----------|----------|----------|----------|
| 15W | 437 | 442 | 445 | 452 | 26 |
| 18W | 590 | 595 | 597 | 604 | 26 |
| 36W | 1199 | 1204 | 1207 | 1214 | 26 |
| 58W | 1500 | 1505 | 1507 | 1514 | 26 |
| 70W | 1764 | 1769 | 1771 | 1778 | 26 |



ACTIVA-SEASONAL AFFECTIVE DISORDER (SAD)

| Code | Description | Nominal Lamp | | | CRI Group | Colour Temp | Luminous Flux | Packing Qty. | |
|---------|-----------------|--------------|---------|---------|-----------|-------------|---------------|--------------|----|
| | | Watt | Voltage | Current | | | | | |
| 0002672 | F15W/172 Activa | 15W | 55V | 0.310A | 1A | G13 | 6500K | 700 lm | 25 |
| 0002218 | F18W/172 Activa | 18W | 57V | 0.370A | 1A | G13 | 6500K | 1000 lm | 25 |
| 0002219 | F36W/172 Activa | 36W | 103V | 0.430A | 1A | G13 | 6500K | 2300 lm | 25 |
| 0002220 | F58W/172 Activa | 58W | 110V | 0.670A | 1A | G13 | 6500K | 3700 lm | 25 |
| 0002188 | F70W/172 Activa | 70W | 128V | 0.700A | 1A | G13 | 6500K | 4600 lm | 25 |



BLACKLIGHT

BL350 Linear & Circline



FEATURES

- Lamps emit UV-radiation between 315nm and 400nm with a peak at 352nm.
- The 352nm wavelength attracts insects, mainly flies and mosquitos.
- Equivalent to other fluorescent lamps for all electrical and physical characteristics

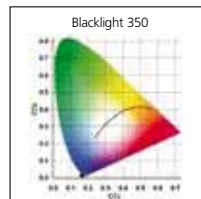
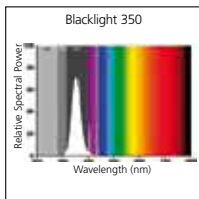
DIRECTIONS FOR USE

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

| | A max | B min | B max | C max | D nom |
|------------|----------|----------|----------|----------|----------|
| 4W | 136 | 141 | 143 | 150 | 16 |
| 6W | 212 | 217 | 219 | 226 | 16 |
| 8W | 288 | 293 | 295 | 303 | 16 |
| 11W | 212 | 217 | 219 | 226 | 16 |
| 15WT5 | 288 | 293 | 295 | 303 | 16 |
| 15WT8 | 437 | 442 | 445 | 452 | 26 |
| 25WT8 18" | 437 | 442 | 445 | 452 | 26 |
| 15WT12 15" | - | - | - | 375 | 38 |
| 20WT12 24" | 590 | 595 | 597 | 604 | 38 |
| 40WT12 24" | 590 | 595 | 597 | 604 | 38 |
| 40WT12 48" | 1199 | 1204 | 1207 | 1214 | 38 |

APPLICATIONS

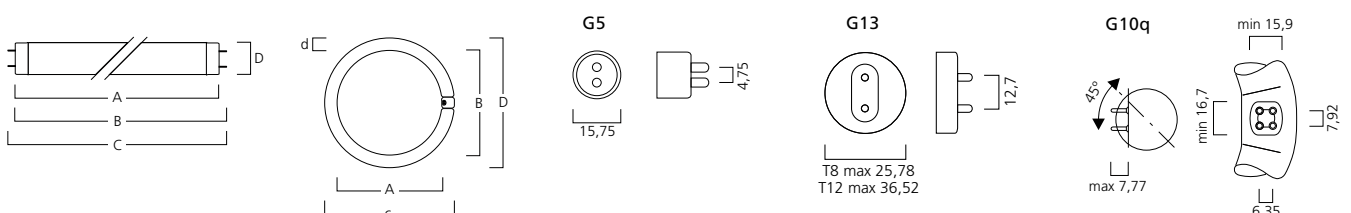
- Insect traps
- Diazo printing machines
- Photo Polymerisation
- Chemical processing
- Mineral detection
- Various technical applications



| | A min | A max | B min | B max | C or D min | C or D max | d min | d max |
|-----|----------|----------|----------|----------|---------------|---------------|----------|----------|
| 22W | 149 | 156 | 148 | 157 | 203 | 216 | 26 | 31 |
| 32W | 149 | 156 | 148 | 157 | 203 | 216 | 26 | 31 |

BLACKLIGHT BL350 LINEAR & CIRCLINE

| Ordering Code | Item description | Watt | Volt | Current | Cap | Packing Quantity |
|---------------|-------------------------|------|------|---------|------|------------------|
| 0000007 | F4 T5 BL350 | 4W | 29V | 0,170A | G5 | 50 |
| 0000017 | F6 T5 BL350 | 6W | 42V | 0,160A | G5 | 25 |
| 0000023 | F8 T5 BL350 | 8W | 56V | 0,145A | G5 | 25 |
| 0000384 | F11 T5 BL350 | 11W | 34V | 0,350A | G5 | 25 |
| 0000045 | F15 T5 BL350 | 15W | 44V | 0,310A | G5 | 200 |
| 0000076 | F15 T8 BL350 | 15W | 55V | 0,310A | G13 | 25 |
| 0002165 | F25 T8 BL350 18" | 25W | 38V | 0,600A | G13 | 25 |
| 0022918 | F15 T12 BL350 500PH 15" | 22W | 57V | 0,500A | G13 | 30 |
| 0000359 | F20 T12 BL350 24" | 20W | 57V | 0,370A | G13 | 25 |
| 0001635 | F40 T12 BL350 24" | 40W | 47V | 0,880A | G13 | 25 |
| 0000185 | F40 T12 BL350 48" | 40W | 103V | 0,430A | G13 | 25 |
| 0000489 | FC22 BL350 8" | 22W | 62V | 0,400A | G10q | 12 |
| 0000455 | FC32 BL350 8" | 32W | 57V | 0,480A | G10q | 12 |



BLACKLIGHT

BL350 Compact



FEATURES

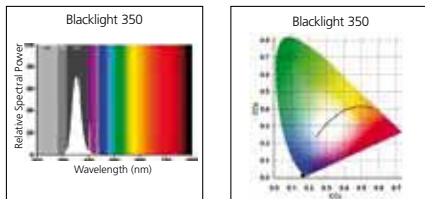
- Lamps emit UV-radiation between 315nm and 400nm with a peak at 352nm.
- The 352nm wave length attracts insects, mainly flies and mosquitoes.
- Equivalent to other fluorescent lamps for all electrical and physical characteristics

APPLICATIONS

- Insect traps
- Nail curing
- Diazo printing machines
- Photo Polymerisation
- Chemical processing
- Mineral detection
- Various technical applications

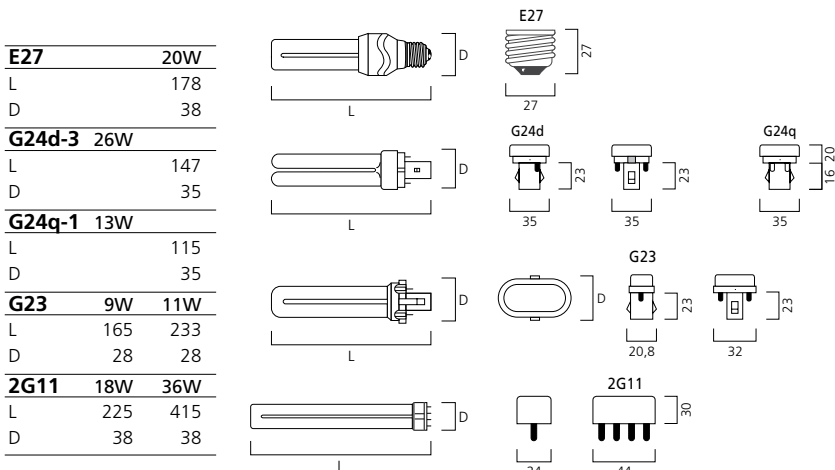
DIRECTIONS FOR USE

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



BLACKLIGHT BL350 COMPACT

| Ordering Code | Item description | Watt | Volt | Current | Cap | Length mm | Packing Quantity |
|----------------|---------------------------------|------|------|---------|--------|-----------|------------------|
| 0028318 | Mini-Lynx 20W BL350 Longlife | 20W | 230V | 0,160A | E 27 | 178 | 20 |
| 0025275 | LYNX-S BL355 9W | 9W | 60V | 0,170A | G23 | 165 | 50 |
| 0025276 | LYNX-S BL350 9W | 9W | 60V | 0,170A | G23 | 165 | 50 |
| 0025277 | LYNX-S BL350 11W | 11W | 91V | 0,155A | G23 | 233 | 50 |
| 0025158 | LYNX-DE BL350 13W | 13W | 91V | 0,175A | G24q-1 | 115 | 50 |
| 0025454 | LYNX-D BL350 26W | 26W | 105V | 0,325A | G24d-3 | 147 | 50 |
| 0025239 | LYNX-L BL350 18W | 18W | 58V | 0,375A | 2G11 | 225 | 10 |
| 0025247 | LYNX-L BL350 36W | 36W | 106V | 0,435A | 2G11 | 415 | 10 |



BLACKLIGHT

BL368 Linear & Circline



FEATURES

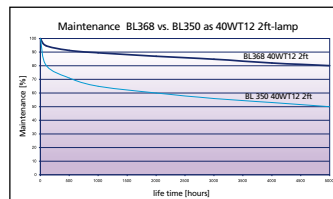
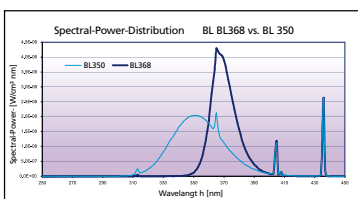
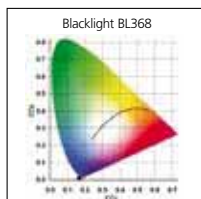
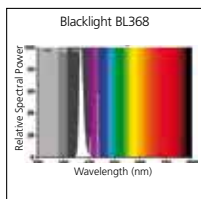
- BL368 tubes emit an upgraded highly concentrated radiation with peak around 368 nm. Flying insects eye sensitivity is generally at or near this frequency
- 100% improvement in effectiveness (at 368nm)
- Depreciation of UV-A output over time is significantly reduced (80% at 5000hrs of original 100 hour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

APPLICATIONS

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

DIRECTIONS FOR USE

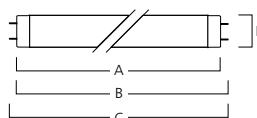
- Maximum exposure limits are set by EN60335-2-59:1997 at an effective 1,0 milliWatt per metre squared (1,0 mW/m²) measured at a distance of 1 metre – originally based on the recommendations of the National Radiological Protection Board in the UK. The irradiance value for a single BL368-lamp measured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



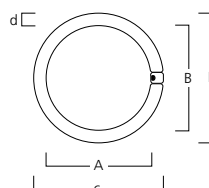
BLACKLIGHT BL368 LINEAR & CIRCLINE

| Ordering Code | Item description | Watt | Volt | Current | Cap | Cap to Cap Length mm | Packing Quantity |
|---------------|-------------------|------|------|---------|------|----------------------|------------------|
| 000082 | F15 T8 BL368 | 15W | 55V | 0,310A | G13 | 437 | 25 |
| 0002166 | F25 T8 BL368 18" | 25W | 38V | 0,600A | G13 | 452 | 25 |
| 0000361 | F20 T12 BL368 24" | 20W | 57V | 0,370A | G13 | 590 | 25 |
| 0001638 | F40 T12 BL368 24" | 40W | 47V | 0,880A | G13 | 590 | 25 |
| 0000456 | FC22 T12 BL368 | 22W | 62V | 0.400A | G10q | 216 | 12 |

| | A max | B min | B max | C max | D nom |
|---------|-------|-------|-------|-------|-------|
| 15WT8 | 437 | 442 | 445 | 452 | 26 |
| 20W 24" | 590 | 595 | 597 | 604 | 26 |
| 40W 24" | 590 | 595 | 597 | 604 | 26 |



| | A min | A max | B min | B max | Cor D min | Cor D max | d min | d max |
|-----|-------|-------|-------|-------|-----------|-----------|-------|-------|
| 22W | 149 | 156 | 148 | 157 | 203 | 216 | 26 | 31 |



BLACKLIGHT

BL368 Compact

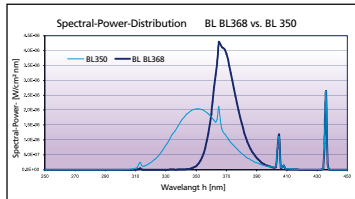
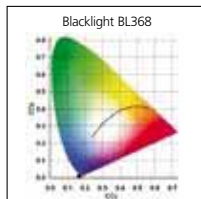
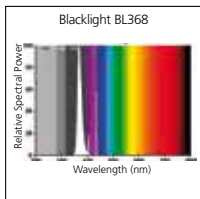


FEATURES

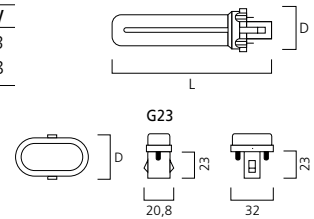
- These BL368 tubes emit an upgraded highly concentrated radiation with peak around 368 nm. Flying insect's eye sensitivity is generally at or near this frequency
- 100% improvement in effectiveness (at 368nm)
- Depreciation of UV-A output over time is significantly reduced (80% at 5000hrs of original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

DIRECTIONS FOR USE

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



| G23 | 9W | 11W |
|-----|-----|-----|
| L | 165 | 233 |
| D | 28 | 28 |



BLACKLIGHT BL368 COMPACT

| Ordering Code | Item description | Watt | Volt | Current | Lamp Colour | Cap | Cap to Cap Length mm | Packing Quantity |
|---------------|------------------|------|------|---------|-------------|-----|----------------------|------------------|
| 0025411 | Lynx-s BL368 | 9W | 60V | 0,170A | BL368-365nm | G23 | 165 | 50 |



BLACKLIGHT

BL350 & BL368 FEP Toughcoat™

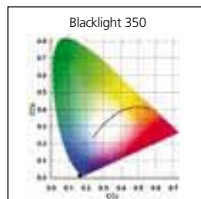
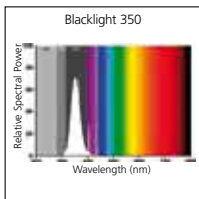


FEATURES

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

APPLICATIONS

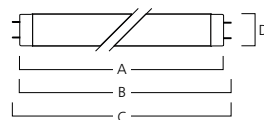
- Insect attraction in restaurants, kitchens, food shops, supermarkets
- Food processing plants
- Pharmaceutical industry
- The risk of glass and mercury contamination is strongly decreased
- Help to avoid injury and loss of production time



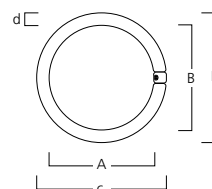
BLACKLIGHT BL350 & BL368 FEP TOUGHCOAT™

| Code | Item description | Watt | Volt | Current | Lamp Colour | Cap | Cap to Cap Length mm | Packing Quantity |
|--|-------------------------------|------|------|---------|-------------|------|----------------------|------------------|
| Blacklight BL350 - FEP Toughcoat™ | | | | | | | | |
| 0000133 | F15W T8 BL350 Toughcoat™ | 15W | 55V | 0,310A | BL350 | G13 | 437 | 25 |
| 0000127 | F20W T12 BL350 Toughcoat™ | 20W | 57V | 0,370A | BL350 | G13 | 590 | 25 |
| 0000128 | F40W T12 2ft BL350 Toughcoat™ | 40W | 47V | 0,880A | BL350 | G13 | 590 | 25 |
| 0000121 | F40W T12 4ft BL350 Toughcoat™ | 40W | 103V | 0,430A | BL350 | G13 | 1199 | 25 |
| 0000132 | FC22W BL350 Toughcoat™ | 22W | 62V | 0,400A | BL350 | G10q | 216 | 12 |
| Blacklight BL368 - FEP Toughcoat™ | | | | | | | | |
| 0000124 | F15W T8 BL368 Toughcoat™ | 15W | 55V | 0,310A | BL368 | G13 | 437 | 25 |
| 0000125 | F20W T12 BL368 Toughcoat™ | 20W | 57V | 0,370A | BL368 | G13 | 590 | 25 |
| 0000126 | F40W T12 2ft BL368 Toughcoat™ | 40W | 47V | 0,880A | BL368 | G13 | 590 | 25 |

| | A max | B min | B max | C max | D nom |
|---------|----------|----------|----------|----------|----------|
| 15WT8 | 437 | 442 | 445 | 452 | 26 |
| 20W | 590 | 595 | 597 | 604 | 26 |
| 40W/2ft | 590 | 595 | 597 | 604 | 26 |
| 40W | 1199 | 1204 | 1207 | 1214 | 26 |



| | A min | A max | B min | B max | CorD min | CorD max | d min | d max |
|-----|----------|----------|----------|----------|-------------|-------------|----------|----------|
| 22W | 149 | 156 | 148 | 157 | 203 | 216 | 26 | 31 |



GERMICIDAL LINEAR



FEATURES

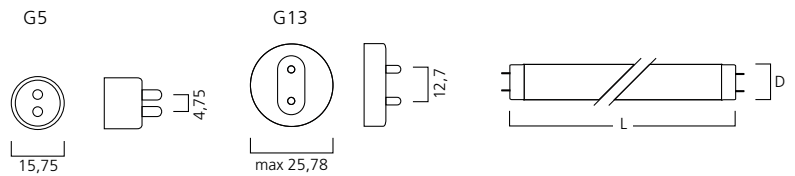
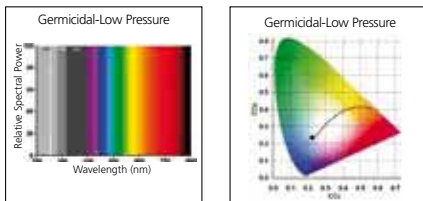
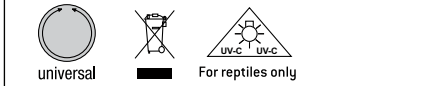
- Lamps radiate more than 85% of their energy in the UV-C spectrum at 253.7nm
- Shape, electrical characteristics and lighting circuits are similar to general fluorescent lamps
- The majority of germicidal lamps operate most efficiently in still air at an ambient temp. of 25°
- All lamps are Ozone Free

APPLICATIONS

- Water purification
- Destruction of bacteria, viruses, mould spores and other micro-organisms
- Sterilisation of air, gases, liquids and surfaces
- Typical application areas are hospitals, dairies, bakeries, breweries
- Disinfection of drinking water, swimming pools, air conditioning systems
- Industrial graphic equipment.
- Fluorescent effects
- Mineral detection
- Erasing EEPROM memories

DIRECTIONS FOR USE

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



GERMICIDAL LINEAR

| Ordering Code | Item description | Watt | Volt | Current | UV output at 25° C W | Cap | Life | Packing Quantity |
|---------------|------------------|------|------|---------|----------------------|-----|----------|------------------|
| 0002328 | G4 T5 | 4W | 29V | 0.170A | 0.8 | G5 | 6000 hrs | 50 |
| 0002216 | G6 T5 | 6W | 42V | 0.160A | 1.7 | G5 | 6000 hrs | 50 |
| 0000501 | G8T5 | 8W | 56V | 0.145A | 2.5 | G5 | 6000 hrs | 24 |
| 0000507 | G11 T5 | 11W | 37V | 0,330A | 2,2 | G5 | 8000 hrs | 50 |
| 0000508 | G16 T5 | 16W | 50V | 0,350A | 3,2 | G5 | 8000 hrs | 24 |
| 0002482 | G10 T8 | 10W | 46V | 0.230A | 2.6 | G13 | 6000 hrs | 10 |
| 0000502 | G15 T8 | 15W | 55V | 0.310A | 4.9 | G13 | 8000 hrs | 24 |
| 9000526 | G25 T8 | 25W | 46V | 0.600A | 6.9 | G13 | 8000 hrs | 24 |
| 0000503 | G30 T8 | 30W | 96V | 0.365A | 13.4 | G13 | 8000 hrs | 24 |
| 0000504 | G36 T8 | 36W | 103V | 0.430A | 15.5 | G13 | 8000 hrs | 20 |
| 0002208 | G55 T8 | 55W | 83V | 0.770A | 18.0 | G13 | 8000 hrs | 96 |
| 0002217 | G58 T8 | 58W | 110V | 0.670A | 20.0 | G13 | 5000 hrs | 12 |
| 9002500 | G20 T10 | 20W | 58V | 0.360A | 7.5 | G13 | 8000 hrs | 10 |
| 9002327 | G40 T10 | 40W | 106V | 0.420A | 19.8 | G13 | 8000 hrs | 10 |

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

GERMICIDAL COMPACT



FEATURES

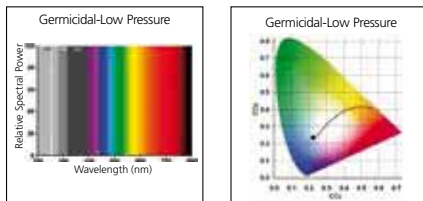
- Lamps radiate more than 85% of their energy in the UV-C spectrum at 253.7nm
- Shape, electrical characteristics and lighting circuits are similar to general fluorescent lamps
- The majority of germicidal lamps operate most efficiently in still air at an ambient temp. of 25°
- All lamps are Ozone Free
- GTL3 replaces older G4S11 types

APPLICATIONS

- Water purification
- Destruction of bacteria, viruses, mould spores and other microorganisms
- Sterilisation of air, gases, liquids and surfaces
- Typical application areas are hospitals, dairies, bakeries, breweries
- Disinfection of drinking water, swimming pools, air conditioning systems
- Industrial graphic equipment
- Fluorescent effects
- Mineral detection
- Erasing EPROM memories

DIRECTIONS FOR USE

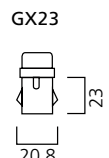
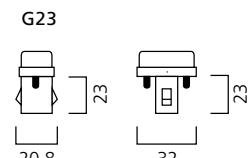
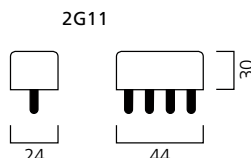
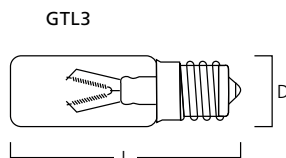
- The radiation from these lamps is very harmful to eyes and skin. Always protect your eyes and skin against radiation.
- Germicidal lamps must only be used in appropriate equipment and applications.
- When using UV-C emitting lamps, the official reference guides and the current industrial safety guideline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



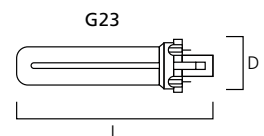
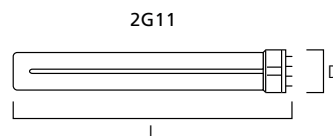
GERMICIDAL COMPACT

| Ordering Code | Item description | Watt | Voltage | Current | UV output at 25° C W | Cap | Life | Packing Quantity |
|---------------|------------------|------|---------|---------|----------------------|------|----------|------------------|
| 9002460 | GTL 3 | 3W | 10.5V | 0.300A | 0.16 | E17 | 2000 hrs | 50 |
| 0025046 | G5 Lynx-S | 5W | 35V | 0.180A | 1.0 | G23 | 8000 hrs | 10 |
| 0025050 | G9 Lynx-S | 9W | 59V | 0.170A | 2.4 | G23 | 8000 hrs | 10 |
| 0025051 | G11 Lynx-S | 11W | 89V | 0.160A | 3.6 | G23 | 8000 hrs | 10 |
| 0025047 | G13 Lynx-S | 13W | 59V | 0.285A | 3.4 | GX23 | 8000 hrs | 10 |
| 0025049 | G18 L | 18W | 58V | 0.375A | 5.5 | 2G11 | 8000 hrs | 25 |
| 0025048 | G36 L | 36W | 106V | 0.435A | 12.0 | 2G11 | 8000 hrs | 25 |
| 0025045 | G55 L | 55W | 103V | 0.540A | 17.0 | 2G11 | 8000 hrs | 25 |

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



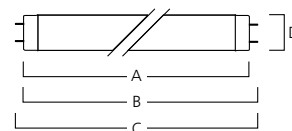
| G23 | 5W | 7W | 9W | 11W | 13W |
|-----|-----|-----|-----|-----|-----|
| L | 105 | 134 | 165 | 233 | 233 |
| D | 28 | 28 | 28 | 28 | 28 |



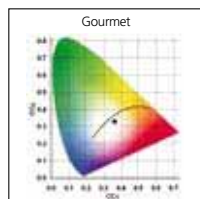
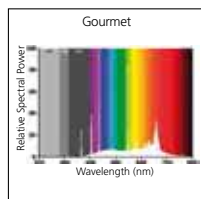
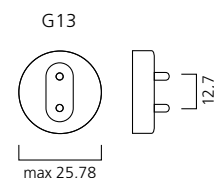
GOURMET 175



- Special T8 fluorescent lamps to display meat products
- The perfect lighting for butcher shops, restaurants and supermarkets
- Excellent colour rendering Class 1B (RA 80-89)
- Colour temperature 3700K
- Direct retrofit for all T8 Standard and T8 Luxline Plus lamps



| | A | B | B | C | D |
|-----|------|------|------|------|-----|
| | max | min | max | max | nom |
| 18W | 590 | 595 | 597 | 604 | 26 |
| 30W | 895 | 899 | 902 | 909 | 26 |
| 36W | 1199 | 1204 | 1207 | 1214 | 26 |
| 58W | 1500 | 1505 | 1507 | 1514 | 26 |
| 70W | 1764 | 1769 | 1771 | 1778 | 26 |



GOURMET 175

| Code | Item description | Watt | Voltage | Current | CRI | Cap | Colour Temp | Luminous Flux | Packing Qty. |
|----------------|------------------|------|---------|---------|-----|-----|-------------|---------------|--------------|
| 0001810 | F18W/175 Gourmet | 18W | 57V | 0.370A | 1B | G13 | 3700K | 650 lm | 25 |
| 0001971 | F30W/175 Gourmet | 30W | 96V | 0.365A | 1B | G13 | 3700K | 1100 lm | 25 |
| 0001811 | F36W/175 Gourmet | 36W | 103V | 0.430A | 1B | G13 | 3700K | 1500 lm | 25 |
| 0001812 | F58W/175 Gourmet | 58W | 110V | 0.670A | 1B | G13 | 3700K | 2400 lm | 25 |
| 0002540 | F70W/175 Gourmet | 70W | 128V | 0.700A | 1B | G13 | 3700K | 2800 lm | 25 |



FOOD STAR 176



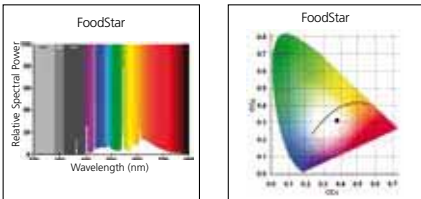
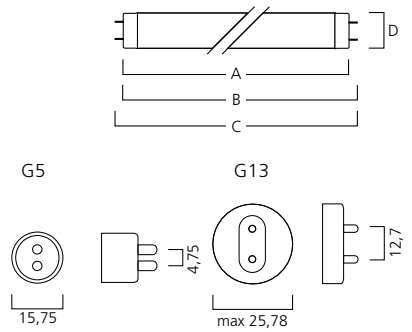
FEATURES

- Foodstar lamps feature a specially tailored spectrum that complements the natural colours of meats, breads and other food products
- Illuminates foods in their optimum colours for an irresistible presentation to the customer
- Truthful colour rendering does not disturb the natural colours of the products
- Manufactured in compliance with the DIN 10504 standard.

APPLICATIONS

- Perfect lighting of food products in butchers, bakeries and supermarkets

| | A | B | B | C | D |
|--------|------|------|------|------|-----|
| | max | min | max | max | nom |
| 14W | 549 | 554 | 556 | 563 | 16 |
| 21W | 849 | 854 | 856 | 863 | 16 |
| 28W | 1149 | 1154 | 1156 | 1163 | 16 |
| 35W | 1449 | 1454 | 1456 | 1463 | 16 |
| 36W | 1199 | 1204 | 1207 | 1214 | 26 |
| 58W | 1500 | 1505 | 1507 | 1514 | 26 |
| 36W/1m | 970 | 974 | 977 | 984 | 26 |



FOOD STAR 176

| Code | Item description | Watt | Voltage | Current | CRI | Cap | Colour Temp | Luminous Flux | Packing Qty. |
|---------|-------------------------|------|---------|---------|-----|-----|-------------|---------------|--------------|
| 0001819 | FHE 21W T5 176 FOODSTAR | 21W | 126V | 0,165A | 84 | G5 | 3500K | 1050 lm | 25 |
| 0001820 | FHE 28W T5 176 FOODSTAR | 28W | 166V | 0,170A | 84 | G5 | 3500K | 1400 lm | 25 |
| 0001821 | FHE 35W T5 176 FOODSTAR | 35W | 205V | 0,175A | 84 | G5 | 3500K | 1750 lm | 25 |
| 0001816 | F36W T8 176 FOODSTAR | 36W | 103V | 0,430A | 84 | G13 | 3500K | 1800 lm | 25 |
| 0001817 | F36W T8 1M 176 FOODSTAR | 36W | 80V | 0,560A | 84 | G13 | 3500K | 1600 lm | 25 |
| 0001818 | F58W T8 176 FOODSTAR | 58W | 110V | 0,670A | 84 | G13 | 3500K | 2850 lm | 25 |

