



Aquarium and Petcare Lighting

The lighting pets prefer



SYLVANIA

by Sylvania Lighting International

The professional lighting

for your plants and animals



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. As an experienced user or

an enthusiastic hobbyist, you also know how important proper light is for your pets. Our

lighting engineers have developed lamps with specific light spectrums for the most

diverse uses which, independently or in combination, deliver the best results for com-

plex biological requirements. Whether for plants, fish, corals, reptiles, or the entire

biotope of aquariums and terrariums - with Sylvania you'll find the appropriate lighting.

This brochure gives you the possibility of easily making the right decision for your

individual lighting requirements.

SYLVANIA

GRO-LUX® T5/T8

A range of fluorescent and compact fluorescent tubes that assist plant growth in locations with insufficient daylight

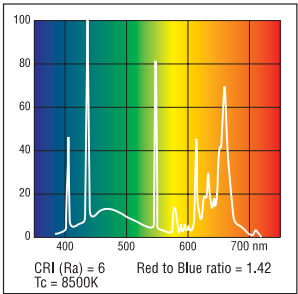


FEATURES

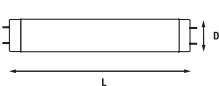
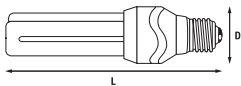
- High level of blue and red radiation helps promote healthy plant growth
- Strengthens the natural colours of aquatic plants and fish in aquariums
- Promotes the process of photo-synthesis in plants

APPLICATIONS

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



Gro-Lux®



Item description	Watt	Colour	Cap	Dimensions (mm)		Ordering Code		
				L	D	Industrial Pack Quantity per 25	Retail Pack Quantity per 10	Retail Pack Quantity per 20
F8W/GRO	8	Gro-Lux	G5	288	16	0000026	-	-
F13W/GRO	13	Gro-Lux	G5	517	16	0000370	-	-
FH024W/GRO	24	Gro-Lux	G5	549	16	0002740	-	-
FH039W/GRO	39	Gro-Lux	G5	849	16	0002743	-	-
FH054W/GRO	54	Gro-Lux	G5	1149	16	0002746	-	-
F14W/GRO	14	Gro-Lux	G13	361	26	0000043	0000707	-
F15W/GRO	15	Gro-Lux	G13	438	26	0000069	0000708	-
F18W/GRO	18	Gro-Lux	G13	590	26	0001523	0000709	-
F25W/30"/GRO	25	Gro-Lux	G13	742	26	0001679	0000710	-
F30W/GRO	30	Gro-Lux	G13	895	26	0000150	0000711	-
F36W/GRO	36	Gro-Lux	G13	1200	26	0001524	0000712	-
F38W/GRO	38	Gro-Lux	G13	1047	26	0002213	0000713	-
F58W/GRO	58	Gro-Lux	G13	1500	26	0001525	0000714	-
F20W/GRO	20	Gro-Lux	G13	590	38	0000462		
Mini-Lynx 18W/GRO	18	Gro-Lux	E27	178	38	-	-	0026484

Packaging Note: The sleeve pictured is for retail sales.

SYLVANIA

AQUASTAR® T5/T8

A range of 10.000 K tubes developed to promote the growth of coral and aquatic plants by simulating lighting conditions found in their natural environment

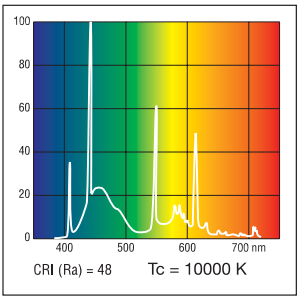


FEATURES

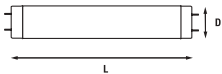
- Light colour: 10,000 Kelvin (simulating the tropical light spectrum)
- Promotes the growth of coral and aquatic plants through natural red and blue sections of the light spectrum
- Excellent lighting performance
- Combination with other lamp types is not required

APPLICATIONS

- For all biological organisms in fresh and marine water aquariums



Aquastar®



Item description	Watt	Colour	Cap	Dimensions (mm)		Light-output lm	Ordering Code	
				L	D		Industrial Pack Quantity per 25	Retail Pack Quantity per 10
FH024W/174 Aquastar	24	Aquastar	G5	549	16	1120	0002741	-
FH039W/174 Aquastar	39	Aquastar	G5	849	16	1960	0002744	-
FH054W/174 Aquastar	54	Aquastar	G5	1149	16	2800	0002747	-
F15W/174 Aquastar	15	Aquastar	G13	438	26	650	0002224	0000643
F18W/174 Aquastar	18	Aquastar	G13	590	26	900	0002221	0000644
F25W/30"/174 Aquastar	25	Aquastar	G13	742	26	1500	0002226	0000645
F30W/174 Aquastar	30	Aquastar	G13	895	26	1700	0002225	0000646
F36W/174 Aquastar	36	Aquastar	G13	1200	26	2200	0002222	0000647
F38W/174 Aquastar	38	Aquastar	G13	1047	26	2100	0002185	0000648
F58W/174 Aquastar	58	Aquastar	G13	1500	26	3550	0002223	0000649

Packaging Note: The sleeve pictured is for retail sales.

SYLVANIA

DAYLIGHTSTAR® T8

See fish and plants in fresh water aquariums
in their natural colours with this 5000 K triphosphor
full spectrum daylight tube

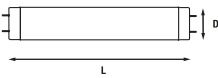
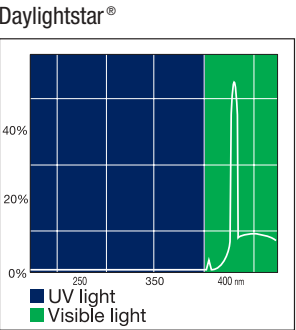
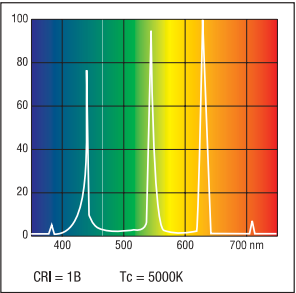


FEATURES

- Reduces algae growth through a special UV-STOP protective sleeve
- Allows fish and plants to be seen in their true colours (high colour rendition)

APPLICATIONS

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



Item description	Watt	Colour	Cap	Dimensions (mm)		Light-output lm	Retail Pack		Ordering Code
				L	D		Quantity		
F15W/5000K	15	Daylightstar	G13	438	26	900	10		0000715
F18W/5000K	18	Daylightstar	G13	590	26	1300	10		0000716
F30W/5000K	30	Daylightstar	G13	895	26	2350	10		0000717
F36W/5000K	36	Daylightstar	G13	1200	26	3250	10		0000718

Packaging Note: The sleeve pictured is for retail sales.

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CORALSTAR® T5/T8

These lamps simulate coral reef natural lighting at 6-10m depth and support coral growth in marine water aquariums

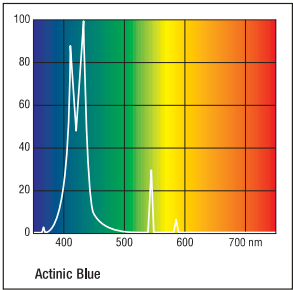


FEATURES

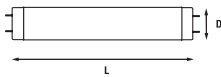
- Reproduces light conditions found at coral reefs through actinic blue light
- Promotes the growth of coral and invertebrates by supporting the growth of zooxanthellae
- See coral in its true colour(s)

APPLICATIONS

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



Coralstar®



Item description	Watt	Colour	Cap	Dimensions (mm)		Ordering Code	
				L	D	Packing Quantity per 25	Retail Pack Quantity per 10
FH024W/Coralstar	24	Coralstar	G5	549	16	0002742	-
FH039W/Coralstar	39	Coralstar	G5	849	16	0002745	-
FH054W/Coralstar	54	Coralstar	G5	1149	16	0002748	-
F18W/ACTINIC	18	Coralstar	G13	590	26	-	0000719
F25W/30"/ACTINIC	25	Coralstar	G13	742	26	-	0000720
F30W/ACTINIC	30	Coralstar	G13	895	26	-	0000725
F36W/ACTINIC	36	Coralstar	G13	1200	26	-	0000726
F38W/ACTINIC	38	Coralstar	G13	1047	26	-	0000721

Packaging Note: The sleeve pictured is for retail sales.

SYLVANIA

REPTISTAR® T8

Lamps which improve the natural appearance of reptiles in terrariums and aid vitamin D3 production by providing ideal proportions of UVA & UVB light

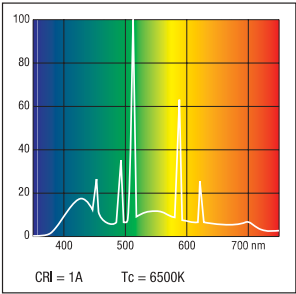


FEATURES

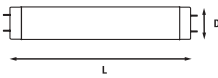
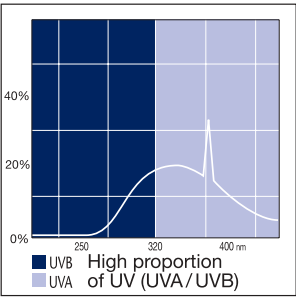
- Promotes vitamin D3 production which aids good health, growth and the general well-being of reptiles in terrariums through a high content of UVB (up to 5%) and UVA (up to 30%)
- This full spectrum (6500 K) lamp improves the natural appearance of reptiles
- Shows reptiles in their true colours

APPLICATIONS

- For the artificial lighting of reptiles in terrariums



Reptistar®



Item description	Watt	Colour	Cap	Dimensions (mm)		Light-output lm	Retail Pack Ordering	
				L	D		Quantity	Code
F15W/REPTISTAR	15	Reptistar	G13	438	26	300	10	0000731
F18W/REPTISTAR	18	Reptistar	G13	590	26	450	10	0000732
F30W/REPTISTAR	30	Reptistar	G13	895	26	700	10	0000733
F36W/REPTISTAR	36	Reptistar	G13	1200	26	1000	10	0000734

Packaging Note: The sleeve pictured is for retail sales.

SYLVANIA

ACTIVA® T8

A range of full-spectrum high colour rendering lamps with daylight characteristics

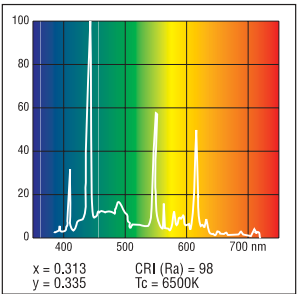


FEATURES

- Full spectrum lamp including UVA
- Radiation reproduces sunlight most closely
- Excellent colour rendering (Ra98/Class 1A)
- Colour temperature: 6500 K

APPLICATIONS

- Well-being of animals in captivity is improved
- The spectrum contains non-visible radiation (UVA) which is a source of vitality for the animals
- The exceptional high colour rendering (Ra 98) will make animals look bright and attractive



Activa® 172



Item description	Watt	Colour	Cap	Dimensions (mm)		CRI (Group)	Light-output lm	Packing Quantity	Ordering Code
				L	D				
F15W/172 Activa	15	Activa	G13	438	26	1A	700	25	0002672
F18W/172 Activa	18	Activa	G13	590	26	1A	1000	25	0002218
F36W/172 Activa	36	Activa	G13	1200	26	1A	2300	25	0002219
F58W/172 Activa	58	Activa	G13	1500	26	1A	3700	25	0002220
F70W/172 Activa	70	Activa	G13	1764	26	1A	4600	25	0002188

SYLVANIA

HSI-TD 5K Daylight

Double ended quartz metal halide lamps with a clear tubular outer envelope and small, compact dimensions for use over fresh water aquaria



FEATURES

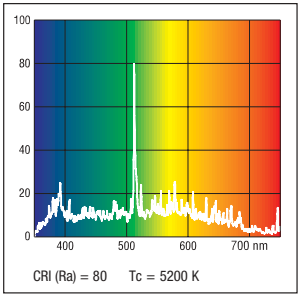
- Compact dimensions
- High efficiency and long service life (9000 hours)
- UV-STOP glass absorbs nearly all harmful UVB and UVC radiation. Lamps can therefore be used without the need for expensive UV-filters

APPLICATIONS

- Strong directional light which penetrates deep into large tanks
- Ideal for fresh water aquaria
- The excellent colour rendering makes the fish look bright
- The UV-stop feature the development of algae

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



Quartz Metal Halide: Daylight

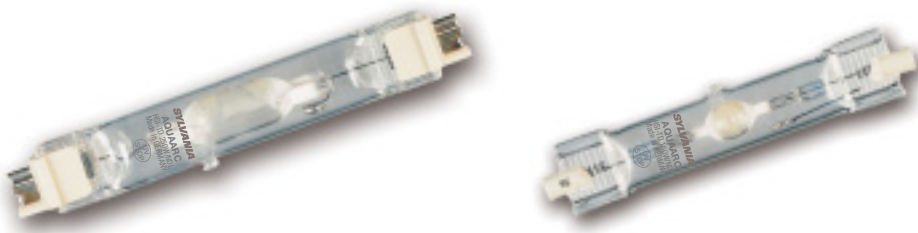


Item description	Watt	Volt	Current	Cap	Dimensions (mm)		Bulb finish	Colour temp. K	Chromaticity Coordinate		Light output lm	Packing Quantity	Ordering Code
					L	D			x	y			
HSI-TD 70W/D 5K UVS	75	108	0.98	Rx7s	117.6	22	clear	5600	0.327	0.372	5400	10	0021045
HSI-TD 150W/D 5K UVS	150	102	1.80	Rx7s	135.4	25	clear	5200	0.336	0.366	11000	10	0021046
HSI-TD 250W/D 5K UVS	250	112	3.00	Fc2	161.6	27.5	clear	5200	0.335	0.361	18000	10	0021047

SYLVANIA

HSI-TD AquaArc®

Double ended quartz metal halide lamps for use over fresh water and sea water aquaria



FEATURES

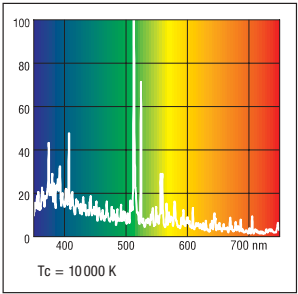
- High light output and good efficiency
- High colour rendering
- Very high colour stability over the whole lamp life
- High colour temperature (10000 K)

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

APPLICATIONS

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



AquaArc®

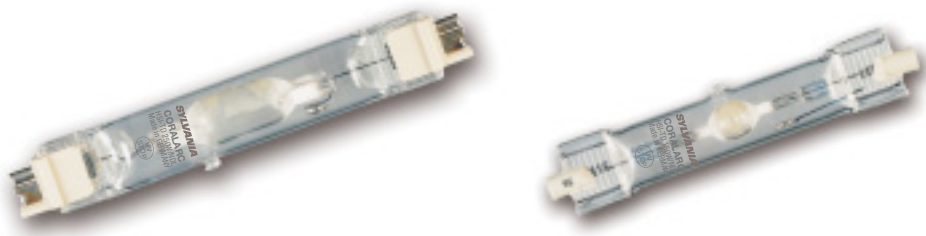


Item description	Watt	Volt	Current	Cap	Dimensions (mm)		Bulb finish	Colour temp. K	Chromaticity Coordinate		Light output lm	Packing Quantity	Ordering Code
					L	D			x	y			
HSI-TD 150W AquaArc	150	100	1.80	Rx7s	135.4	25	clear	10000	0.277	0.311	9000	10	0021049
HSI-TD 250W AquaArc	250	100	3.00	Fc2	161.6	27.5	clear	10000	0.275	0.323	14000	10	0021050

SYLVANIA

HSI-TD CoralArc®

Double ended quartz metal halide lamps for use over sea water aquaria



FEATURES

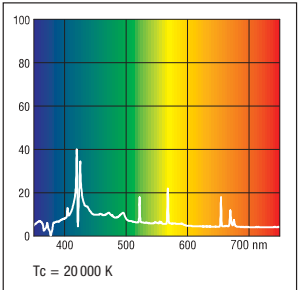
- Very high colour temperature (bluish light)
- Very high colour stability over the entire lamp life
- Enhanced colour rendition

DIRECTIONS FOR USE

- Burning position: horizontal ± 45°
- 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

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



CoralArc®



Item description	Watt	Volt	Current	Cap	Dimensions (mm)		Bulb finish	Colour temp. K	Chromaticity Coordinate		Light output lm	Packing Quantity	Ordering Code
					L	D			x	y			
HSI-TD 150W CoralArc	150	100	1.80	Rx7s	135.4	25.0	clear	blue	0.261	0.257	5400	10	0021028
HSI-TD 250W CoralArc	250	100	3.00	Fc2	161.6	27.5	clear	blue	0.257	0.243	8000	10	0021029

SYLVANIA

HSL-SC Super Comfort

Mercury Vapour lamp for fresh water applications

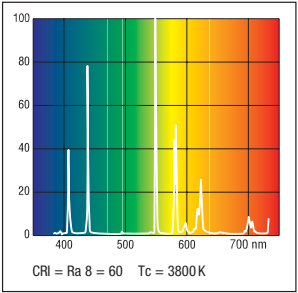


FEATURES

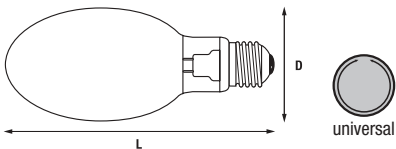
- Good natural appearance of animals and plants through good colour rendering properties
- Extremely long life (29000 hours)
- Also available as HSL-BW lamp with colder colour temperature of 4000 K

APPLICATIONS

- For fresh water applications
- Low cost economical light source
- Direction for use
- Operates on standard ballast, no ignitor required



Mercury Vapour Super Comfort



Item description	Watt	Volt	Current	Cap	Dimensions (mm)		Colour temp. K	Light output lm	Packing Quantity	Ordering Code
					L	D				
HSL-SC 50W	50	95	1.61	E27	130	56	3400	2000	24	0020895
HSL-SC 80W	80	115	0.80	E27	166	71	3400	4000	40	0020890
HSL-SC 125W	125	125	1.15	E27	178	76	3400	6500	40	0020891

SYLVANIA

Infrared Reflector Lamps



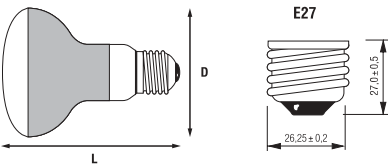
FEATURES

- Converts electric current into infrared radiation



APPLICATIONS

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



Item description		Watt	Volt	Cap	Dimensions (mm)		Packing Quantity	Ordering Code
					L	D		
Ref.	150W R125 Infrared	150	230	E27	181	125	10	0033002
Ref.	250W R125 Infrared	250	230	E27	181	125	10	0033003
Ref.	100W R95 Infrared	100	230	E27	130	95	15	0033004

SYLVANIA

GRO-LUX® Reflector Lamps

Incandescent reflector lamps for lighting plants
when daylight is poor

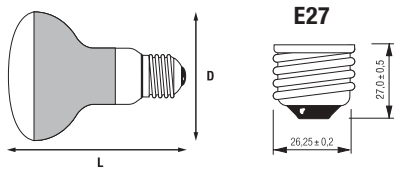


FEATURES

- Reflector lamp with a special glass
- Supports the photosynthesis of plants
- Base: E27

APPLICATIONS

- To light plants by poor daylight in winter gardens, green houses, etc.



Item description		Watt	Volt	Cap	Dimensions (mm)		Packing Quantity	Ordering Code
					L	D		
Refl. 60W R80	Gro-Lux	60	230	E27	110	80	10	0015633
Refl. 75W R80	Gro-Lux	75	230	E27	110	80	10	0015632
Refl. 75W R95	Gro-Lux	75	230	E27	133	95	10	0015631

SYLVANIA

Recommendations

Tips you need for the pets well-being

- ◆ How much light does your aquarium need? A general rule of thumb is that at least 0.5 watts of lighting per litre of water in the tank (more is better) must be available. Keeping lower watted levels may cause a more frequent changing of lamps.

Length of Aquarium	Volume	Length of Lamps	Lamp Power	Lamps
40 cm	25 l	30 cm	8 W	1
50 cm	45 l	45 cm	15 W	1
60 cm	55 l	45 cm	15 W	1
80 cm	128 l	60 cm	18 W	2
100 cm	250 l	90 cm	30 W	4
120 cm	300 l	100 cm	38 W	4
130 cm	325 l	120 cm	36 W	4
150 cm	375 l	120 cm	36 W	4
160 cm	400 l	150 cm	58 W	4

- ◆ Avoid positioning your aquarium near to the window. The UVA and UVB in the sunlight will develop algae.
- ◆ Use a timer to light your aquarium at a certain hour each day. You should foresee between 10 and 14 hours of lighting per day.
- ◆ Change your fluorescent lamps at least once a year. Once 12 months have passed the light output of the lamps will be insufficient due to normal ageing.
- ◆ Don't change all the lamps of your aquarium at the same time. Throughout life the efficiency of the lamp gradually decreases. If you change all lamps at once, the increase in light output risks to upset the daily cycle of the fish and plants. Change therefore each of the lamps at intervals of one month.
- ◆ Don't forget to change the starter when you re-lamp. It is a requirement for a good lamp operation. Using COP-starters will avoid repetitive starting of the lamp at end of life.



Item description	Watt	Volt	Lamptype	Circuit	Packing Quantity	Ordering Code
COP starters:						
COP-11	18-58W	220 – 240V	26 mm	Single	1000	0024470
COP-22	14-18W	220 – 240W	26 mm	Tandem	1000	0024482

SYLVANIA

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Marketing Lamps**

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