



MASTER TL-D Xtra Polar

MASTER TL-D Xtra Polar 18W/840 T12 SLV

The MASTER TL-D Xtra Polar lamp offers the highest light output at lower temperatures because of the insulation that is created by putting a TL-D (T8) lamp into a T12 tube. The lamp is especially suitable for applications in cold environments where relamping is costly and complex.

Product data

General Information		Color Rendering Index (Nom)	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	LLMF 2000 h Rated	85
Life to 10% Failures (Nom)	30000 h	LLMF 4000 h Rated	96 %
Life to 50% Failures (Nom)	36000 h	LLMF 6000 h Rated	95 %
Life to 50% Failures Preheat (Nom)	55000 h	LLMF 8000 h Rated	94 %
LSF 2000 h Rated	100 %	LLMF 12000 h Rated	93 %
LSF 4000 h Rated	99 %	LLMF 16000 h Rated	92 %
LSF 6000 h Rated	99 %	LLMF 20000 h Rated	91 %
LSF 8000 h Rated	99 %		90 %
LSF 12000 h Rated	99 %	Operating and Electrical	
LSF 16000 h Rated	99 %	Power (Rated) (Nom)	17.0 W
LSF 20000 h Rated	99 %	Lamp Current (Nom)	0.378 A
Light Technical		Temperature	
Color Code	840 [CCT of 4000K]	Design Temperature (Nom)	15 °C
Luminous Flux (Nom)	1350 lm	Controls and Dimming	
Luminous Flux (Rated) (Nom)	1350 lm	Dimmable	Yes
Color Designation	Cool White (CW)		
Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom)	76 lm/W		

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Mechanical and Housing

Cap-Base Information Green Plate

Approval and Application

Energy Efficiency Label (EEL) A
 Mercury (Hg) Content (Nom) 3.0 mg
 Energy Consumption kWh/1000 h 21 kWh

Product Data

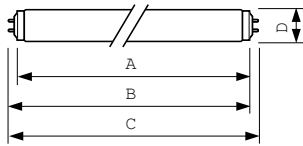
Full product code 87115008930525

Order product name	MASTER TL-D Xtra Polar 18W/840 T12 SLV
EAN/UPC - Product	8711500893055
Order code	927980684075
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	927980684075
Net Weight (Piece)	203.000 g
ILCOS Code	FD-18/40/1B-E-G13

Warnings and Safety

- To achieve published lifetimes for 100% operation, do not dim below 30%
- When used on electromagnetic gear, it is strongly recommended to apply only Philips S10 or S10E starters (for 18W types S2 or S2E) to achieve the published lifetimes, and to install new starters when relamping.
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

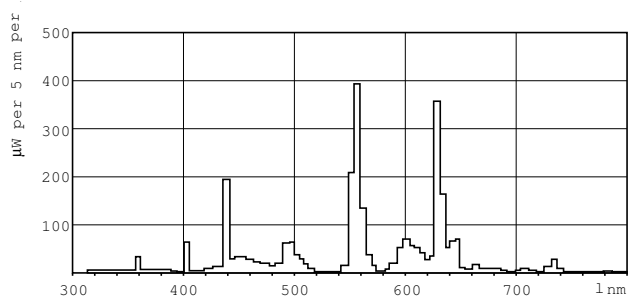
Dimensional drawing



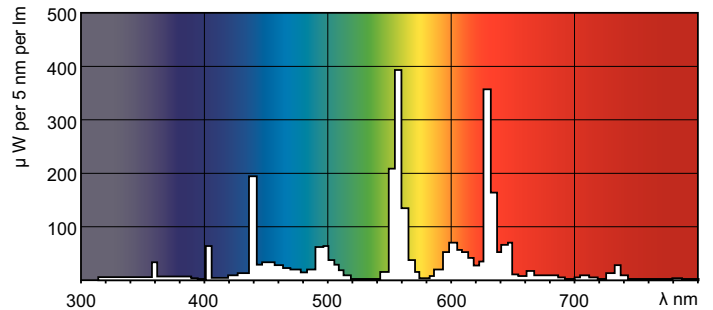
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Xtra Polar 18W/840 T12 SLV	40.5 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm

TL-D Xtra Polar 18W/840 T12

Photometric data



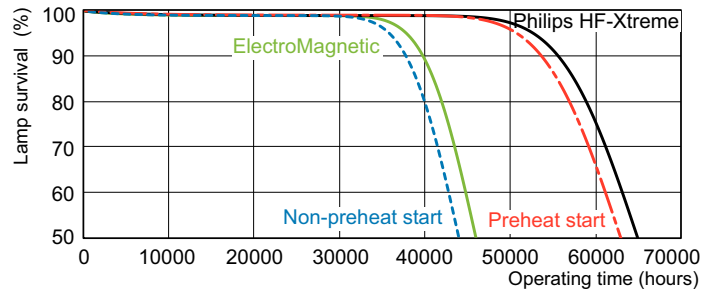
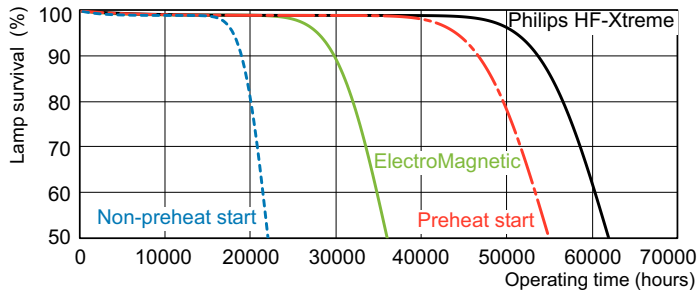
Lightcolor /840



Lightcolor /840

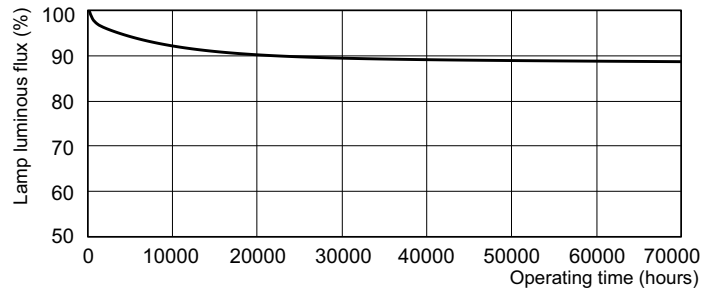
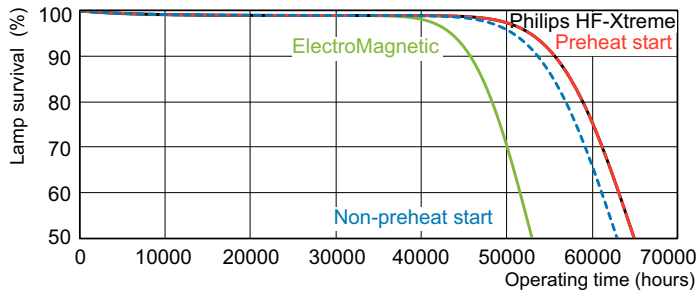
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Lifetime



MASTER TL-D Xtra Life Expectancy 3 h cycle

MASTER TL-D Xtra Life Expectancy 12 h cycle



MASTER TL-D Xtra Life Expectancy 24 h cycle

MASTER TL-D Xtra Lumen Maintenance 3 h, 12 h + 24 h cycle

