



MASTER TL-D Xtreme Polar

MASTER TL-D Xtreme Polar 18W/840 1SL

The MASTER TL-D Xtreme Polar lamp offers highest light output in cold conditions 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 with long burning cycles in cold environments.

Product data

• General Characteristics

Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Cap-Base Information	Green Plate
Bulb	T12 [38 mm]
Life to 10% failures EM,3 h	40000 hr
Life to 10% fail Preheat EL,3h	66000 hr
Life to 10% fail Nonpreh EL,3h	33000 hr
Life to 50% failures EM	47000 hr
Life to 50% failures EM,3 h	47000 hr
Life to 50% fail Preheat EL,3h	79000 hr
Life to 50% fail Nonpreh EL,3h	39000 hr
LSF EM 2000h Rated, 3h cycle	100 %
LSF EM 4000h Rated, 3h cycle	99 %
LSF EM 6000h Rated, 3h cycle	99 %
LSF EM 8000h Rated, 3h cycle	99 %
LSF EM 12000h Rated,3h cycle	99 %
LSF EM 16000h Rated,3h cycle	99 %
LSF EM 20000h Rated,3h cycle	99 %

• Light Technical Characteristics

Color Code	840 [CCT of 4000K]
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Color Rendering Index	85 Ra8
Color Designation (text)	Cool White
Color Temperature	4000 K
Luminous Flux EM 25°C, Rated	1350 Lm
Luminous Flux EM 25°C, Nominal	1350 Lm
Lum Efficacy Rated EM 25°C	76 Lm/W
LLMF EM 2000h Rated	96 %
LLMF EM 4000h Rated	95 %
LLMF EM 6000h Rated	94 %
LLMF EM 8000h Rated	93 %
LLMF EM 12000h Rated	92 %
LLMF EM 16000h Rated	91 %
LLMF EM 20000h Rated	90 %
Design Temperature	15 C
Chromaticity Coordinate X	383 -
Chromaticity Coordinate Y	381 -

• Electrical Characteristics

Lamp Wattage	18 W
Lamp Wattage EM 25°C, Nominal	18 W



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MASTER TL-D Xtreme Polar

Lamp Wattage EM 25°C, Rated	17.0 W
Lamp Voltage EM 25°C	52 V
Lamp Current EM 25°C	0.378 A
Dimmable	Yes

• Environmental Characteristics

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

• Product Dimensions

Base Face to Base Face A	589.8 (max) mm
Insertion Length B	594.5 (min), 596.9 (max) mm

Overall Length C	604.0 (max) mm
Diameter D	40.5 (max) mm

• Product Data

Order code	927980584075
Full product code	927980584075
Full product name	MASTER TL-D Xtreme Polar 18W/840 1SL
Order product name	MASTER TL-D Xtreme Polar 18W/840 1SL/10
Pieces per pack	1
Packing configuration	10
Packs per outerbox	10
Bar code on pack - EAN1	8711500892997
Bar code on outerbox - EAN3	8711500893000
Logistic code(s) - 12NC	927980584075
ILCOS code	FD-18/40/1B-E-G13
Net weight per piece	205.500 gr

Warnings and Safety

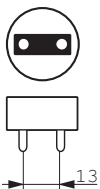
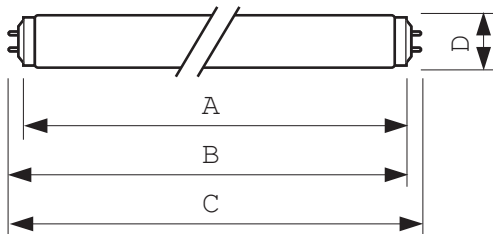
- To achieve published lifetimes for 100% operation, do not dim below 30%

- 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.

Dimensional drawing

MASTER TL-D Xtreme Polar 18W/840 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL-D Xtreme Polar 18W/840	589.8	594.5	596.9	604.0	40.5



G13

Photometric data



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data subject to change