MASTER TL-D Reflex

MASTER TL-D Reflex 18W/840 1SL

Low-pressure mercury discharge lamps with a tubular 26 mm envelope

Product data

• General Characteristics

Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Cap-Base Information	-
Bulb	T8 [26 mm]
Bulb Finish	Reflector
Life to 50% failures EM	15000 hr
Life to 50% fail Preheat EL,3h	20000 hr
Life to 50% fail Nonpreh EL,3h	12000 hr
Life to 10% fail Nonpreh EL,3h	10000 hr
Life to 10% fail Preheat EL,3h	17000 hr
Life to 10% failures EM	12000 hr
LSF EM 12000h Rated,3h cycle	90 %
LSF EM 8000h Rated, 3h cycle	95 %
LSF EM 6000h Rated, 3h cycle	96 %
LSF EM 4000h Rated, 3h cycle	97 %
LSF EM 2000h Rated, 3h cycle	99 %

• Electrical Characteristics

Lamp Wattage	18 W
Dimmable	yes
Lamp Current EM 25°C	0.360 A
Lamp Wattage EM 25°C, Rated	18.0 W
Lamp Wattage EM 25°C, Nominal	18.0 W
Lamp Voltage EM 25°C	59 V

• Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	5.0 mg

• Light Technical Characteristics

Beam Description	FA160 [160° Window]
Colour Code	840 [CCT of 4000K]
Colour Rendering Index	85 Ra8
Colour Designation	Cool White
Colour Temperature	4000 K
Chromaticity Coordinate X	378 -
Chromaticity Coordinate Y	373 -
Average Luminance EM	1.75 cd/cm2
Lum Efficacy Rated EM 25°C	75.0 Lm/W
LLMF EM 12000h Rated	91 %
LLMF EM 8000h Rated	93 %
LLMF EM 6000h Rated	93 %
LLMF EM 4000h Rated	94 %

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LLMF EM 2000h Rated	95 %
Luminous Flux EM 25°C, Rated	1350 Lm
Luminous Flux EM 25°C, Nominal	1350 Lm
Design Temperature	25 C

- Product Dimensions

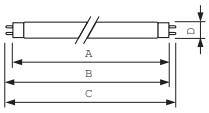
Base Face to Base Face A	589.8 (max) mm
Insertion Length B	594.5 (min), 596.9 (max) mm
Overall Length C	604 (max) mm
Diameter D	28 (max) mm

- Product Data

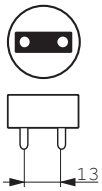
Order code	636478 40

Full product code	871150063647840
Full product name	MASTER TL-D Reflex 18W/840 1SL
Order product name	MASTER TL-D Reflex 18W/840 1SL/25
Pieces per pack	1
Packing configuration	25
Packs per outerbox	25
Bar code on pack - EAN1	8711500636478
Bar code on outerbox - EAN3	8711500636485
Logistic code(s) - 12NC	928048184079
ILCOS code	FDR-18/40/1B-E-G13
Net weight per piece	68.900 gr

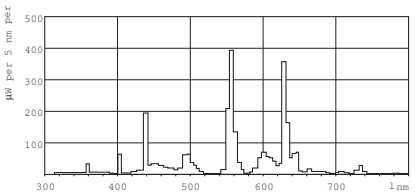
Dimensional drawing



Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL-D Reflex 18W/840	589.8	594.5	596.9	604	28



Photometric data



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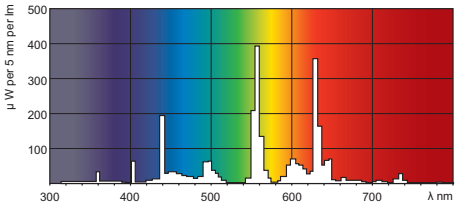

Lightcolour /840

Lamps being part of this product family comply with Commission Regulation (EC) No 245/2009 – Ecodesign requirements, applicable from 13 April 2010.
1.3 Product information requirements on lamps
a) Nominal and rated lamp wattage;
b) Nominal and rated lamp luminous flux;
c) Rated lamp efficacy at 100 h in standard conditions (25 °C, for T5 lamps at 35 °C). For fluorescent lamps both at 50 Hz (mains frequency) operation (where applicable) and at High Frequency (> 50 Hz) operation (where applicable) for the same rated luminous flux in all cases, indicating for High Frequency operation the calibration current of the test conditions and/or the rated voltage of the HF generator with the resistance. It shall be stated in a conspicuous manner that the power dissipated by auxiliary equipment such as ballasts is not included in the power consumed by the source;
d) Rated lamp Lumen Maintenance Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
e) Rated lamp Survival Factor at 2000 h, 4000 h, 6000 h, 8000 h, 12000 h, 16000 h and 20000 h (up to 8000 h only for new lamps on the market where no data is yet available), indicating which operation mode of the lamp was used for the test if both 50 Hz and High Frequency operation are possible;
f) Lamp mercury content as X.X mg;
g) Colour Rendering Index (Ra) of the lamp;
h) Colour temperature of the lamp;
i) Ambient temperature inside the luminaire at which the lamp was designed to maximise its luminous flux. If this temperature is equal to or lower than 0 °C or equal to or higher than 50 °C it shall be stated that the lamp is not suitable for indoor use at standard room temperatures;
j) For fluorescent lamps without integrated ballast, the energy efficiency index(es) of ballasts as defined in Table 17 with which the lamp can operate.
See Table 17-EuP245.pdf for Table 17 – Energy efficiency index requirements for non-dimmable ballasts for fluorescent lamps.
For more information see: http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:076:0017:0044:EN:PDF

www.philips.com/lighting

2011, May 8
data subject to change