



MASTER TL-D HF Super 80

MASTER TL-D HF Super 80 16W/840 SLV/25

The MASTER TL-D HF Super 80 lamp offers more lumens per watt and better color rendering than TL-D standard colors. Furthermore, it has a lower mercury content. The lamp is designed to be operated on special high-frequency electronic ballasts. It is not for general use.

Warnings and Safety

- Special electronic gear must be used
- 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.

Product data

General Information		Luminous Flux (Rated) (Nom)	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Luminous Flux (Rated) (Nom)	1400 lm
Life to 50% Failures Preheat (Nom)	20000 h	Color Designation	Cool White (CW)
System Description	High Frequency	Chromaticity Coordinate X (Nom)	0.38
LSF Preheat 2000 h Rated	99 %	Chromaticity Coordinate Y (Nom)	0.38
LSF Preheat 4000 h Rated	99 %	Correlated Color Temperature (Nom)	4000 K
LSF Preheat 6000 h Rated	99 %	Luminous Efficacy (rated) (Nom)	87.5 lm/W
LSF Preheat 8000 h Rated	99 %	Color Rendering Index (Nom)	82
LSF Preheat 16000 h Rated	95 %	LLMF 2000 h Rated	96 %
LSF Preheat 20000 h Rated	50 %	LLMF 4000 h Rated	95 %
Flux measurement reference	Sphere	LLMF 6000 h Rated	94 %
Light Technical		LLMF 8000 h Rated	93 %
Color Code	840 [CCT of 4000K]	LLMF 12000 h Rated	92 %
Luminous Flux (Nom)	1400 lm	LLMF 16000 h Rated	91 %
		LLMF 20000 h Rated	90 %

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Operating and Electrical

Power (Nom)	16.5 W
Lamp Current (Nom)	0.255 A

Temperature

Design Temperature (Nom)	25 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Bulb Shape	T8 [26 mm (T8)]
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Approval and Application

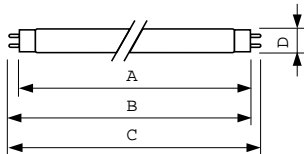
Energy Efficiency Class	G
Mercury (Hg) Content (Max)	2 mg

Mercury (Hg) Content (Nom)	2.0 mg
Energy Consumption kWh/1000 h	17 kWh
EPREL Registration Number	423437

Product Data

Full product code	871150063147340
Order product name	MASTER TL-D HF Super 80 16W/840 SLV/25
EAN/UPC - Product	8711500631473
Order code	927924084023
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	25
Material Nr. (12NC)	927924084023
Net Weight (Piece)	71.000 g
ILCOS Code	FDH-16/40/1B-L/P-G13-26/600

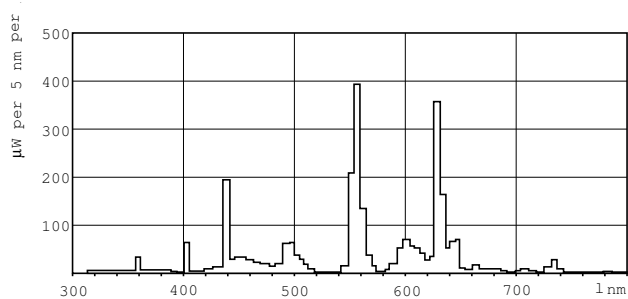
Dimensional drawing



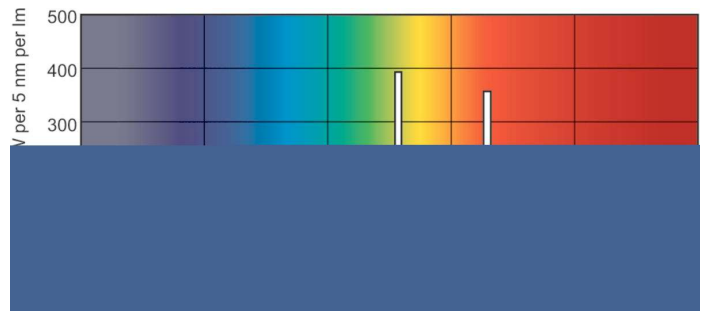
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D HF Super 80 16W/840 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

TL-D HF 16W/840

Photometric data



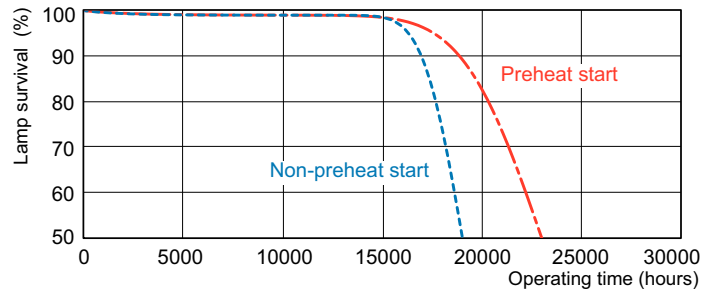
LDPB_TL-D8HF_840-Spectral power distribution B/W



LDPO_TL-D8HF_840-Spectral power distribution Colour

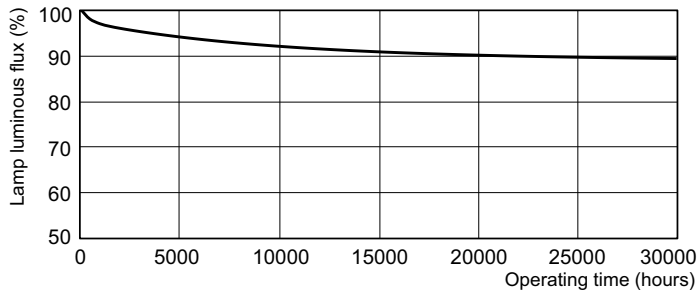
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Lifetime



LDLE_TL-D8HF_0001-Life expectancy diagram

LDLE_TL-D8HF_0002-Life expectancy diagram



LDLM_TL-D8HF_0001-Lumen maintenance diagram

