



MASTER TL-D Eco



MASTER TL-D Eco 16W/830 SLV/25

The MASTER TL-D Eco lamp offers the same light output as a MASTER TL-D Super 80 lamp, while using less energy, thanks to the use of specific phosphors and a special gas filling. Application areas are schools, offices, governmental buildings and healthcare environments.

Warnings and Safety

- 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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Life To 10% Failures (Nom)	12000 h
Life to 50% Failures (Nom)	15000 h
Life to 50% Failures Preheat (Nom)	20000 h
LSF 2000 h Rated	99 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %
LSF 12000 h Rated	89 %
LSF 16000 h Rated	33 %
LSF 20000 h Rated	2 %
Flux measurement reference	Sphere

Light Technical	
Color Code	830 [CCT of 3000K]
Luminous Flux (Nom)	1100 lm
Luminous Flux (Rated) (Nom)	1175 lm

Color Designation	Warm White (WW)
Chromaticity Coordinate X (Nom)	0.44
Chromaticity Coordinate Y (Nom)	0.403
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	75 lm/W
Color Rendering Index (Nom)	82
LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 20000 h Rated	90 %

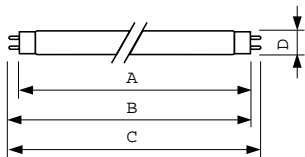
Operating and Electrical	
Power (Nom)	15.8 W
Lamp Current (Nom)	0.380 A

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Temperature	
Design Temperature (Nom)	30 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Cap-Base Information	Green Cap
Bulb Shape	T8 [26 mm (T8)]
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	16 kWh

EPREL Registration Number	423414
Product Data	
Full product code	871150026857040
Order product name	MASTER TL-D Eco 16W/830 SLV/25
EAN/UPC - Product	8711500268570
Order code	927922883015
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	25
Material Nr. (12NC)	927922883015
Net Weight (Piece)	71.000 g
ILCOS Code	FD-16/30/1B-E-G13-26/604

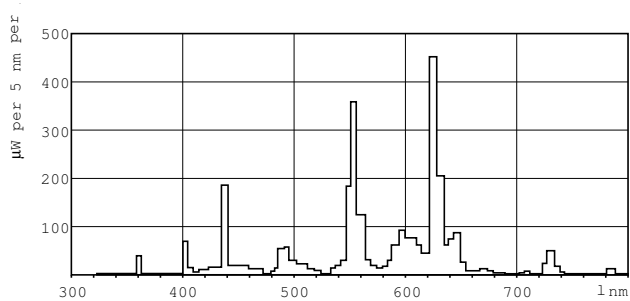
Dimensional drawing



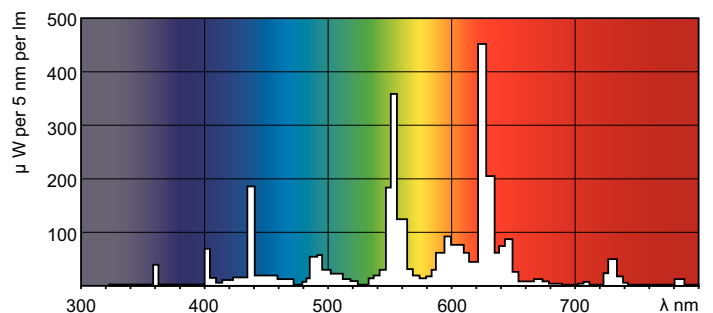
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Eco 16W/830 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm

TL-D Eco 16W/830

Photometric data



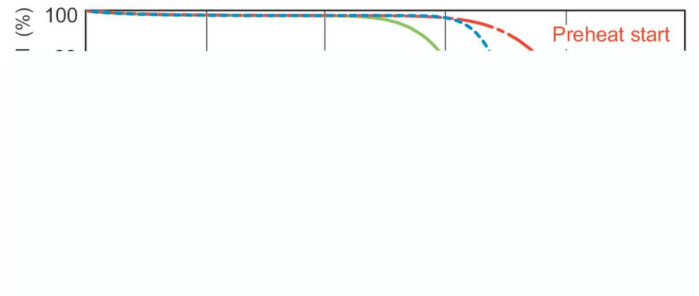
LDPB_TL-D8ECO_830-Spectral power distribution B/W



LDPO_TL-D8ECO_830-Spectral power distribution Colour

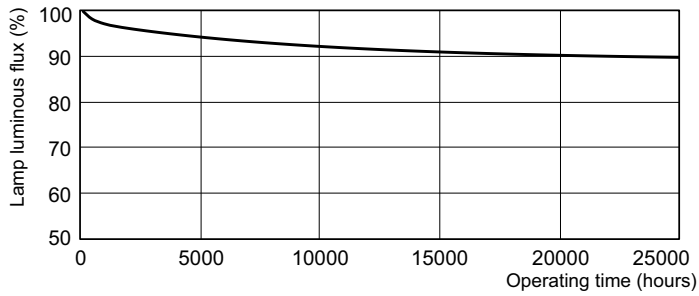
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Lifetime



LDLE_TL-D8ECO_0001-Life expectancy diagram

LDLE_TL-D8ECO_0002-Life expectancy diagram



LDLM_TL-D8ECO_0001-Lumen maintenance diagram

