



MASTER TL-D Eco

MASTER TL-D Eco 51W/840 1SL/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.

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 %
Light Technical	
Color Code	840 [CCT of 4000K]
Luminous Flux (Nom)	4800 lm
Luminous Flux (Rated) (Nom)	4550 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	89 lm/W
Color Rendering Index (Nom)	>80
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)	51.4 W
Lamp Current (Nom)	0.700 A

Temperature	
Design Temperature (Nom)	30 °C

Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Cap-Base Information	Green Cap

Approval and Application	
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	2.0 mg

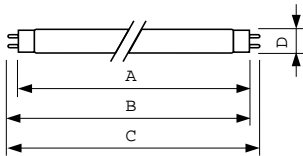
MASTER TL-D Eco

Energy Consumption kWh/1000 h	60 kWh
Product Data	
Full product code	871150026470140
Order product name	MASTER TL-D Eco 51W/840 1SL/25
EAN/UPC - Product	8711500264701
Order code	927922184023

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	25
Material Nr. (12NC)	927922184023
Net Weight (Piece)	167.000 g
ILCOS Code	FD-51/40/1B-E-G13-26/1200

Warnings and Safety

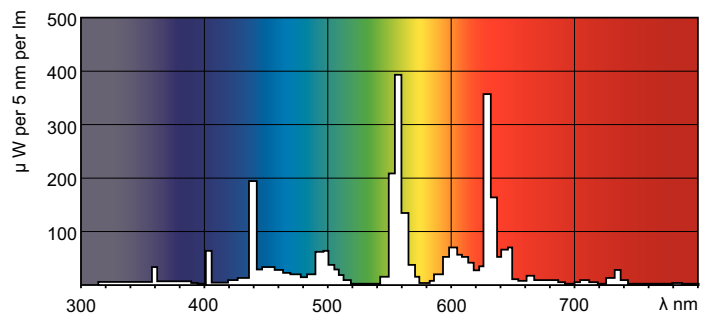
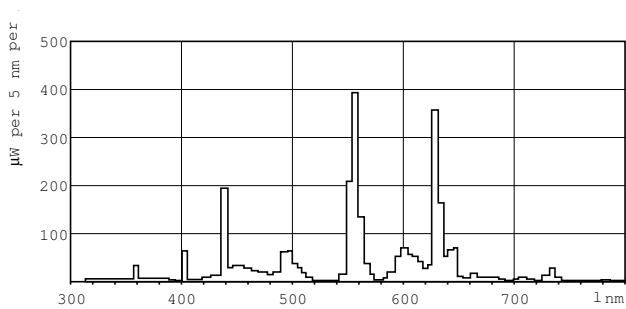
Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Eco 51W/840 1SL/25	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm

TL-D Eco 51W/840

Photometric data



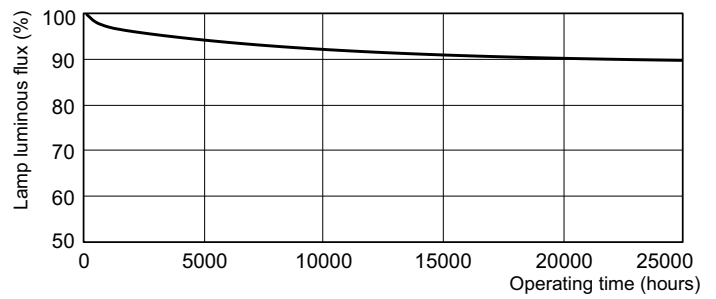
LDPO_TL-D8ECO_840-Spectral power distribution Colour

MASTER TL-D Eco

Lifetime



LDLE_TL-D8ECO_0001-Life expectancy diagram



LDLM_TL-D8ECO_0001-Lumen maintenance diagram

