



# **MASTER TL-D Eco**

# MASTER TL-D Eco 16W/840 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 %			
Light Technical				
Color Code	840 [ CCT of 4000K]			
Luminous Flux (Nom)	1300 lm			
Luminous Flux (Rated) (Nom)	1175 lm			
Color Designation	Cool White (CW)			
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Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	75 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)	15.7 W
Lamp Current (Nom)	0.380 A
Temperature	
Design Temperature (Nom)	30 °C

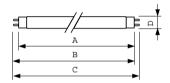
Datasheet, 2020, March 19 data subject to change

# **MASTER TL-D Eco**

Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Cap-Base Information	Green Cap
Approval and Application	
Energy Efficiency Label (EEL)	А
Mercury (Hg) Content (Nom)	2.0 mg
Energy Consumption kWh/1000 h	20 kWh
Product Data	
Full product code	871150026861740

Order product name	MASTER TL-D Eco 16W/840 SLV/25		
EAN/UPC - Product	8711500268617		
Order code	927922884015		
Numerator - Quantity Per Pack	1		
Numerator - Packs per outer box	25		
Material Nr. (12NC)	927922884015		
Net Weight (Piece)	71.000 g		
ILCOS Code	FD-16/40/1B-E-G13-26/604		

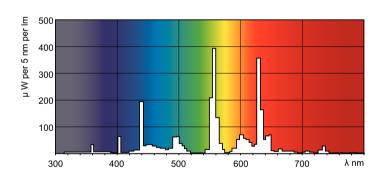
## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Eco	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
16W/840 SLV/25					

# TL-D Eco 16W/840

### Photometric data

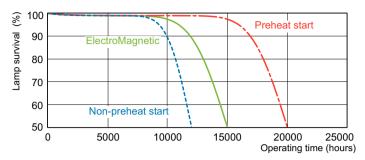


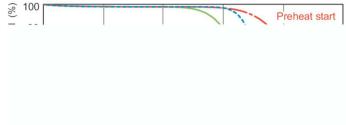
LDPB\_TL-D8ECO\_840-Spectral power distribution B/W

LDPO\_TL-D8ECO\_840-Spectral power distribution Colour

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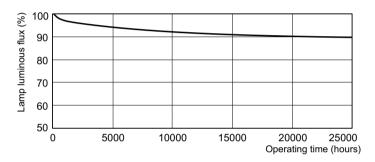
#### Lifetime





LDLE\_TL-D8ECO\_0001-Life expectancy diagram

LDLE\_TL-D8ECO\_0002-Life expectancy diagram



LDLM\_TL-D8ECO\_0001-Lumen maintenance diagram



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