



# MASTER TL-D Super 80

## MASTER TL-D Super 80 70W/835 SLV/25

The MASTER TL-D 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 can be operated in existing TL-D luminaires.

### 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

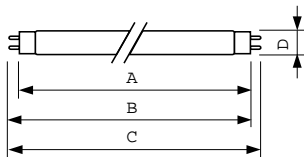
General Information		Operating and Electrical	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]	Luminous Flux (Rated) (Nom)	6200 lm
Life To 10% Failures (Nom)	12000 h	Color Designation	White (WH)
Life to 50% Failures (Nom)	15000 h	Chromaticity Coordinate X (Nom)	0.409
Life to 50% Failures Preheat (Nom)	20000 h	Chromaticity Coordinate Y (Nom)	0.394
LSF 2000 h Rated	99 %	Correlated Color Temperature (Nom)	3500 K
LSF 4000 h Rated	99 %	Luminous Efficacy (rated) (Nom)	89 lm/W
LSF 6000 h Rated	99 %	Color Rendering Index (Nom)	82
LSF 8000 h Rated	99 %	LLMF 2000 h Rated	96 %
LSF 12000 h Rated	89 %	LLMF 4000 h Rated	95 %
LSF 16000 h Rated	33 %	LLMF 6000 h Rated	94 %
LSF 20000 h Rated	2 %	LLMF 8000 h Rated	93 %
Flux measurement reference	Sphere	LLMF 12000 h Rated	92 %
		LLMF 16000 h Rated	91 %
		LLMF 20000 h Rated	90 %
Light Technical			
Color Code	835 [ CCT of 3500K]	Power (Nom)	70.0 W
Luminous Flux (Nom)	6200 lm		

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Lamp Current (Nom)	0.690 A
<b>Temperature</b>	
Design Temperature (Nom)	25 °C
<b>Controls and Dimming</b>	
Dimmable	Yes
<b>Mechanical and Housing</b>	
Bulb Shape	T8 [ 26 mm (T8)]
<b>Approval and Application</b>	
Energy Efficiency Class	G
Mercury (Hg) Content (Max)	3 mg
Mercury (Hg) Content (Nom)	3.0 mg

Energy Consumption kWh/1000 h	70 kWh
EPREL Registration Number	423435
<b>Product Data</b>	
Full product code	871150064273840
Order product name	MASTER TL-D Super 80 70W/835 SLV/25
EAN/UPC - Product	8711500642738
Order code	927923883514
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	25
Material Nr. (12NC)	927923883514
Net Weight (Piece)	199.900 g
ILCOS Code	FD-70/35/1B-E-G13

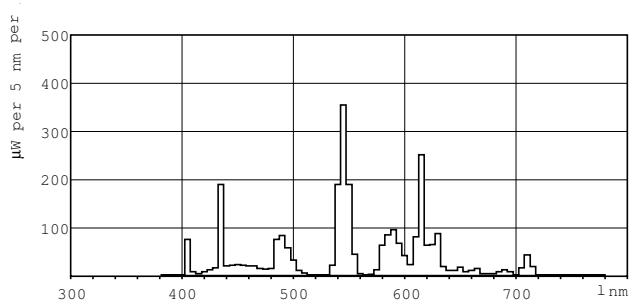
## Dimensional drawing



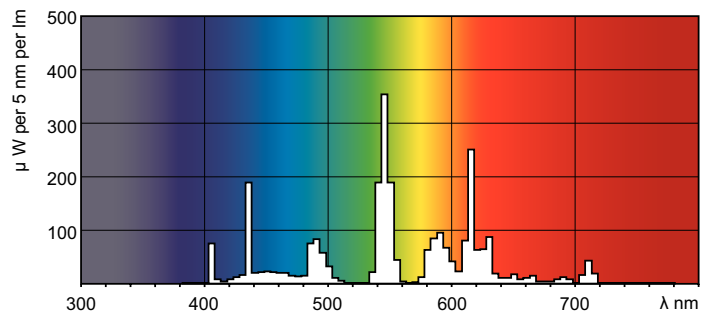
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Super 80 70W/835 SLV/25	28 mm	1763.8 mm	1770.9 mm	1768.5 mm	1778 mm

## TL-D 70W/835

## Photometric data



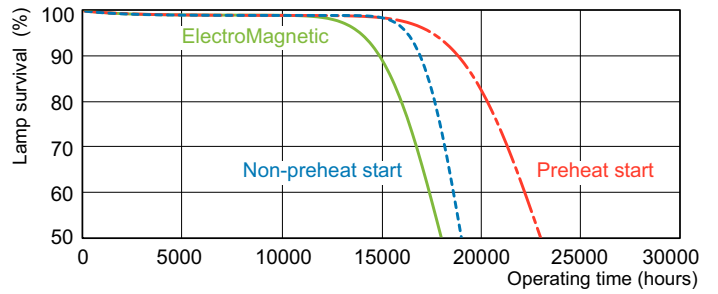
LDPB\_TL-D8\_835-Spectral power distribution B/W



LDPO\_TL-D8\_835-Spectral power distribution Colour

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## Lifetime



LDLE\_TL-D8\_0001-Life expectancy diagram

LDLE\_TL-D8\_0002-Life expectancy diagram



LDLM\_TL-D8\_0001-Lumen maintenance diagram

