



# MASTER TL-D Super 80



## MASTER TL-D Super 80 23W/830 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

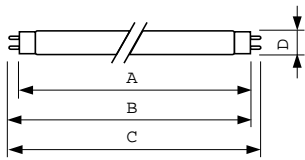
General information		Luminous Flux (Rated) (Nom)	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]		2050 lm
Life To 10% Failures (Nom)	12000 h	Color Designation	Warm White (WW)
Life to 50% Failures (Nom)	15000 h	Chromaticity Coordinate X (Nom)	0.44
Life to 50% Failures Preheat (Nom)	20000 h	Chromaticity Coordinate Y (Nom)	0.403
LSF 2000 h Rated	99 %	Correlated Color Temperature (Nom)	3000 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		Operating and electrical	
Color Code	830 [ CCT of 3000K]	Power (Nom)	23.4 W
Luminous Flux (Nom)	2020 lm		

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Lamp Current (Nom)	0.295 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 (Nom)	1.7 mg
Energy Consumption kWh/1000 h	24 kWh

EPREL Registration Number	423412
<b>Product data</b>	
Full product code	871150055863340
Order product name	MASTER TL-D Super 80 23W/830 SLV/25
EAN/UPC - Product	8711500558633
Order code	927922583014
Numerator - Quantity Per Pack	1
Local code description	8343700
Numerator - Packs per outer box	25
Material Nr. (12NC)	927922583014
Net Weight (Piece)	120.000 g
ILCOS Code	FD-23/30/1B-E-G13

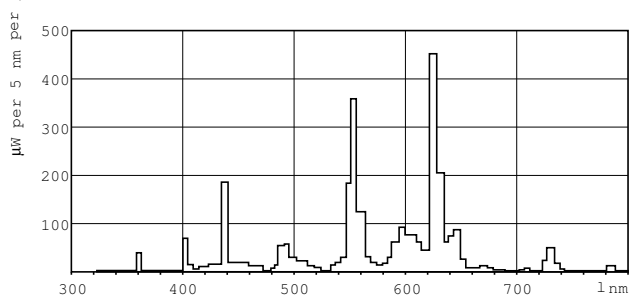
## Dimensional drawing



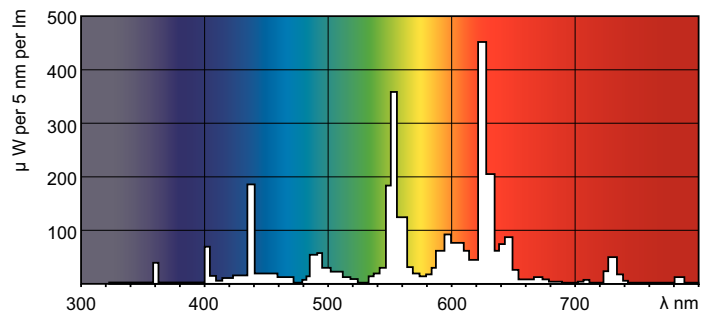
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Super 80 23W/830 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm

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## Photometric data



LDPB\_TL-D8\_830\_0001-Spectral power distribution B/W



LDPO\_TL-D8\_830\_0001-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

