



# MASTER TL-D Super 80

## MASTER TL-D Super 80 23W/840 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		Color Designation	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]	Color Designation	Cool White (CW)
Life To 10% Failures (Nom)	12000 h	Correlated Color Temperature (Nom)	4000 K
Life to 50% Failures (Nom)	15000 h	Luminous Efficacy (rated) (Nom)	89 lm/W
Life to 50% Failures Preheat (Nom)	20000 h	Color Rendering Index (Nom)	>80
LSF 2000 h Rated	99 %	LLMF 2000 h Rated	96 %
LSF 4000 h Rated	99 %	LLMF 4000 h Rated	95 %
LSF 6000 h Rated	99 %	LLMF 6000 h Rated	94 %
LSF 8000 h Rated	99 %	LLMF 8000 h Rated	93 %
LSF 12000 h Rated	89 %	LLMF 12000 h Rated	92 %
LSF 16000 h Rated	33 %	LLMF 16000 h Rated	91 %
LSF 20000 h Rated	2 %	LLMF 20000 h Rated	90 %
Light Technical		Operating and Electrical	
Color Code	840 [ CCT of 4000K]	Power (Nom)	23.0 W
Luminous Flux (Nom)	2050 lm	Lamp Current (Nom)	0.295 A
Luminous Flux (Rated) (Nom)	2050 lm		

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## Temperature

Design Temperature (Nom)	25 °C
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## Controls and Dimming

Dimmable	Yes
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## Approval and Application

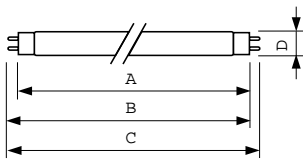
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	2.0 mg
Energy Consumption kWh/1000 h	28 kWh

## Product Data

Full product code	871150055870140
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Order product name	MASTER TL-D Super 80 23W/840 SLV/25
EAN/UPC - Product	8711500558701
Order code	927922584014
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	25
Material Nr. (12NC)	927922584014
Net Weight (Piece)	120.000 g
ILCOS Code	FD-23/40/1B-E-G13

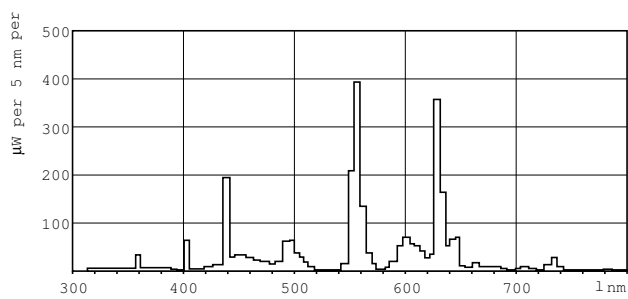
## Dimensional drawing



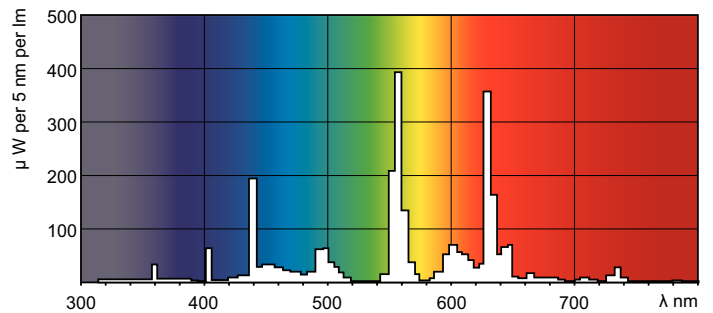
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Super 80 23W/840 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm

## TL-D 23W/840

## Photometric data



LDPB\_TL-D8\_840\_0001-Spectral power distribution B/W



LDPO\_TL-D8\_840\_0001-Spectral power distribution Colour

# MASTER TL-D Super 80

## Lifetime



LDLE\_TL-D8\_0001-Life expectancy diagram

LDLE\_TL-D8\_0002-Life expectancy diagram



LDLM\_TL-D8\_0001-Lumen maintenance diagram

