



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.

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)	2050 lm
Luminous Flux (Rated) (Nom)	2050 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)	23.0 W
Lamp Current (Nom)	0.295 A

Temperature

Design Temperature (Nom)	25 °C
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Controls and Dimming

Dimmable	Yes
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Approval and Application

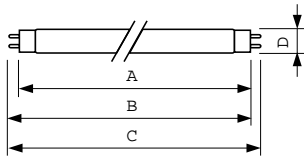
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	2.0 mg

MASTER TL-D Super 80

Energy Consumption kWh/1000 h	28 kWh
Product Data	
Full product code	871150055870140
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

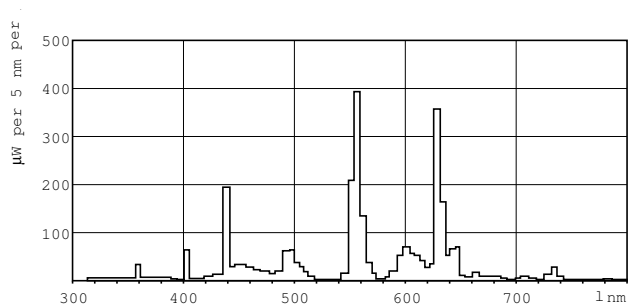
Dimensional drawing



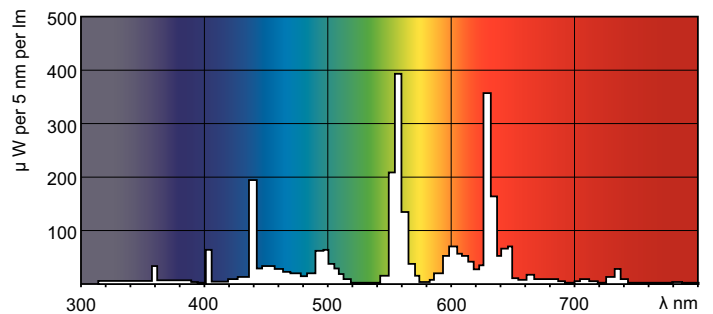
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Super 80 23W/840 SLV/25	28 mm	970.0 mm	977.1 mm	974.7 mm	984.2 mm

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

