



MASTER TL-D 90 De Luxe

MASTER TL-D 90 De Luxe 18W/965 1SL/10

Low-pressure mercury discharge lamps with a tubular 26 mm envelope

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	
Colour Code	965 [CCT of 6,500 K]
Lamp Luminous Flux 25°C EL (Nom)	1150 lm
Lamp Luminous Flux (Nom)	1150 lm
Colour Designation	Cool Daylight
Chromaticity coordinate X (nom.)	309
Chromaticity coordinate Y (nom.)	323
Colour Temperature, horizontal (Nom)	6500 K
Lamp Luminous Efficacy EM (Nom)	63.9 lm/W
Colour Rendering Index, horiz (Nom)	93

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 (Rated) (Nom)	18.0 W
Lamp current (nom.)	0.360 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)	B
Mercury (Hg) content (nom.)	2 mg
Energy Consumption kWh/1000 h	22 kWh

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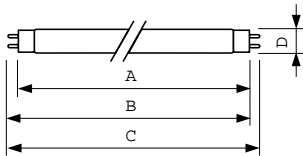
Product Data

Full product code	871150088846425
Order product name	MASTER TL-D 90 De Luxe 18W/965 SLV/10
EAN/UPC – product	8711500888464
Order code	88846425
Local Code	9280-435-96551
Numerator – quantity per pack	1

Numerator – packs per outer box	10
Material no. (12NC)	928043596581
Net weight (piece)	71.000 g
ILCOS Code	FD-18/65/1A-E-G13

Warnings and Safety

Dimensional drawing

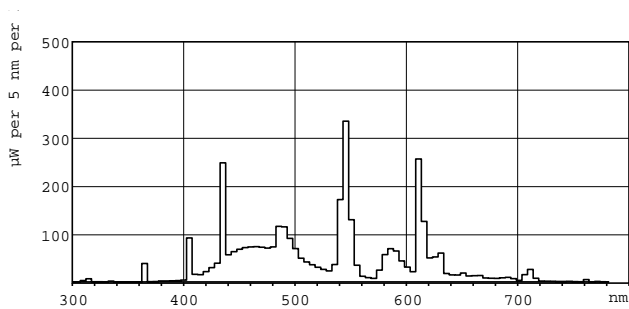


Product

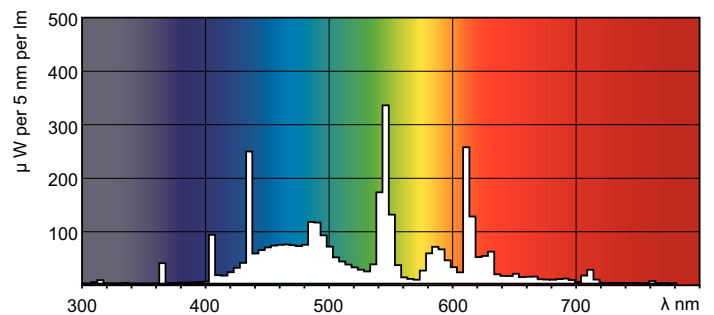
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Photometric data



Lightcolour TL-D de Luxe /965



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Lifetime



LDLE_TL-D9Hm_0002-Life expectancy diagram

LDLE_TL-D9Hm_0001-Life expectancy diagram



LDLM_TL-D9Hm_0001-Lumen maintenance diagram

