



MASTER TL-D 90 De Luxe

MASTER TL-D 90 De Luxe 58W/965 SLV/10

This TL-D lamp makes colors appear rich, deep and enhanced in a natural way. Thus very suitable for applications where a high color recognition is needed: first aid and treatment rooms in hospitals, printing rooms, jewelry, dentists, hairdressing, museums and shops

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			
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Luminous Flux (Nom)	4550 lm
Life To 10% Failures (Nom)	12000 h	Luminous Flux (Rated) (Nom)	4550 lm
Life to 50% Failures (Nom)	15000 h	Color Designation	Cool Daylight
Life to 50% Failures Preheat (Nom)	20000 h	Chromaticity Coordinate X (Nom)	0.313
LSF 2000 h Rated	99 %	Chromaticity Coordinate Y (Nom)	0.337
LSF 4000 h Rated	99 %	Correlated Color Temperature (Nom)	6500 K
LSF 6000 h Rated	99 %	Luminous Efficacy (rated) (Nom)	77.8 lm/W
LSF 8000 h Rated	99 %	Color Rendering Index (Nom)	93
LSF 12000 h Rated	89 %	LLMF 2000 h Rated	96 %
LSF 16000 h Rated	33 %	LLMF 4000 h Rated	95 %
LSF 20000 h Rated	2 %	LLMF 6000 h Rated	94 %
Flux measurement reference	Sphere	LLMF 8000 h Rated	93 %
		LLMF 12000 h Rated	92 %
		LLMF 16000 h Rated	91 %
		LLMF 20000 h Rated	90 %
Light Technical			
Color Code	965 [CCT of 6500K]		

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Operating and Electrical

Power (Nom)	59.8 W
Lamp Current (Nom)	0.670 A

Temperature

Design Temperature (Nom)	25 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Bulb Shape	T8 [26 mm (T8)]
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Approval and Application

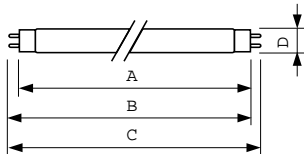
Energy Efficiency Class	G
Mercury (Hg) Content (Max)	2 mg

Mercury (Hg) Content (Nom)	2 mg
Energy Consumption kWh/1000 h	60 kWh
EPREL Registration Number	423531

Product Data

Full product code	871150088873025
Order product name	MASTER TL-D 90 De Luxe 58W/965 SLV/10
EAN/UPC - Product	8711500888730
Order code	928045096581
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	928045096581
Net Weight (Piece)	167.000 g
ILCOS Code	FD-58/65/1A-E-G13

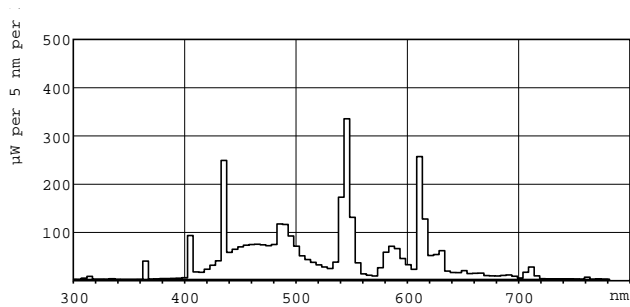
Dimensional drawing



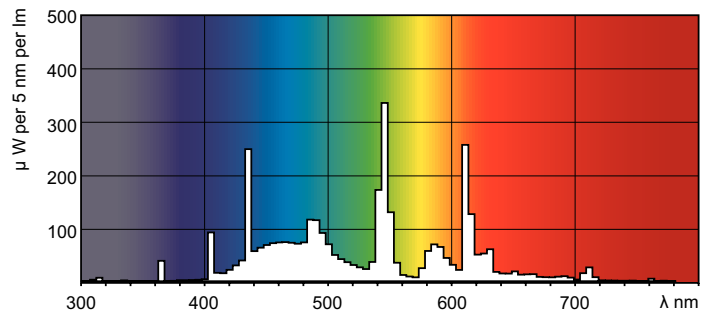
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 De Luxe 58W/965 SLV/10	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm

TL-D De Luxe 58W/965

Photometric data



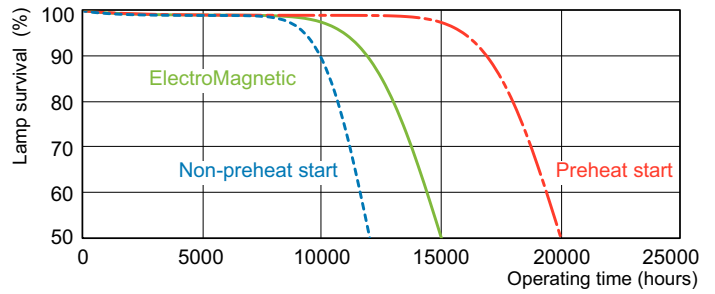
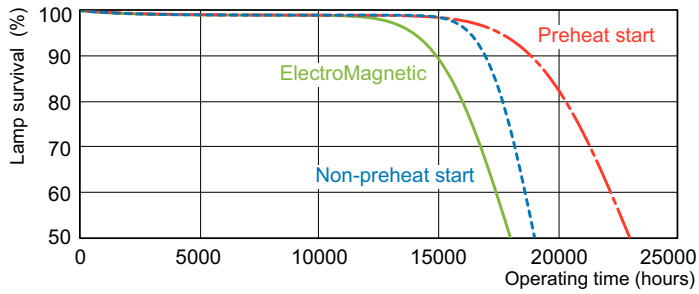
LDPB_TL-D9Hlm_965-Spectral power distribution B/W



LDPO_TL-D9Hlm_965-Spectral power distribution Colour

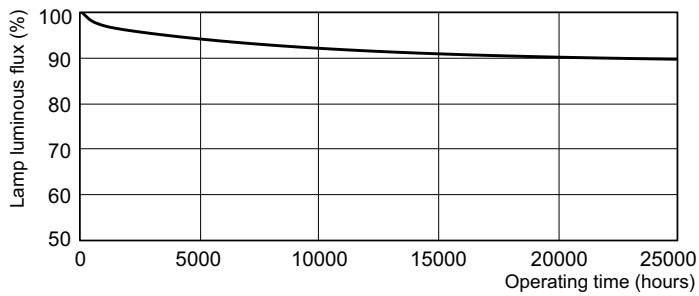
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Lifetime



LDLE_TL-D9Hm_0002-Life expectancy diagram

LDLE_TL-D9Hm_0001-Life expectancy diagram



LDLM_TL-D9Hm_0001-Lumen maintenance diagram

