



MASTER TL-D 90 De Luxe

MASTER TL-D 90 De Luxe 18W/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.

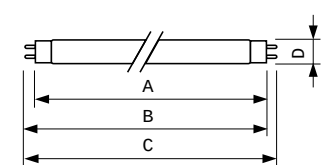
Product data

General Information			
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Luminous Flux (Nom)	1150 lm
Life To 10% Failures (Nom)	12000 h	Luminous Flux (Rated) (Nom)	1150 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)	63.9 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 %
Light Technical		LLMF 12000 h Rated	92 %
Color Code	965 [CCT of 6500K]	LLMF 16000 h Rated	91 %
		LLMF 20000 h Rated	90 %

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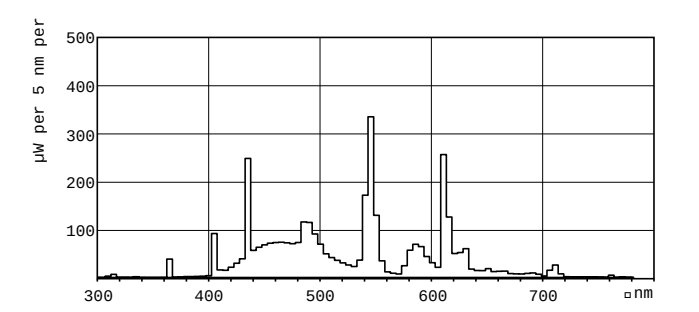
Operating and Electrical	
Power (Nom)	18.4 W
Lamp Current (Nom)	0.360 A
Temperature	
Design Temperature (Nom)	25 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	T8 [26 mm (T8)]
Approval and Application	
Energy Efficiency Class	G
Mercury (Hg) Content (Max)	2 mg

Dimensional drawing



TL-D De Luxe 18W/965

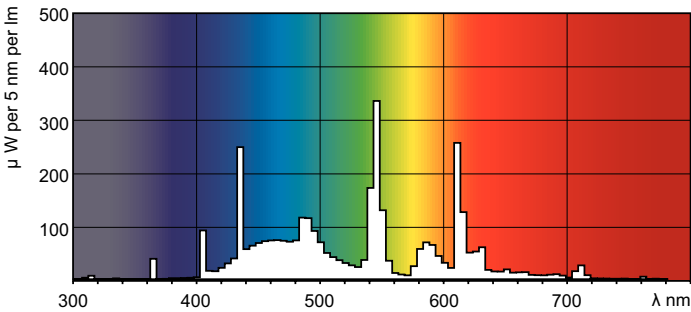
Photometric data



LDPB_TL-D9Hlm_965-Spectral power distribution B/W

Mercury (Hg) Content (Nom)	2 mg
Energy Consumption kWh/1000 h	19 kWh
EPREL Registration Number	423521
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	928043596581
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	928043596581
Net Weight (Piece)	71.000 g
ILCOS Code	FD-18/65/1A-E-G13

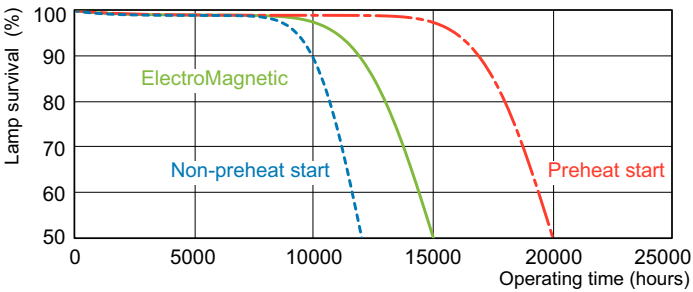
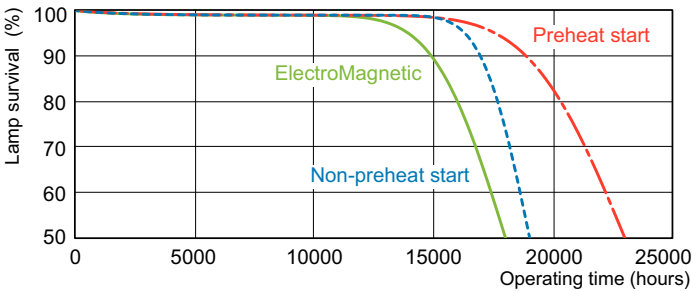
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 De Luxe 18W/965 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm



LDPO_TL-D9Hlm_965-Spectral power distribution Colour

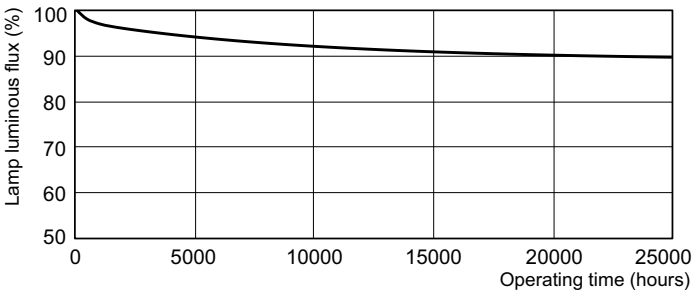
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Lifetime



LDLE_TL-D9Hm_0002-Life expectancy diagram

LDLE_TL-D9Hm_0001-Life expectancy diagram



LDLM_TL-D9Hm_0001-Lumen maintenance diagram

