



MASTER TL-D 90 Graphica

MASTER TL-D 90 Graphica 18W/965 SLV/10

This TL-D lamp has excellent color rendering which makes it very suitable for the graphical and printing industry to check the quality of printed material.

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]	Chromaticity Coordinate X (Nom)	309
Life To 10% Failures (Nom)	6000 h	Chromaticity Coordinate Y (Nom)	323
Life to 50% Failures (Nom)	8000 h	Correlated Color Temperature (Nom)	6500 K
Life to 50% Failures Preheat (Nom)	10000 h	Luminous Efficacy (rated) (Nom)	51.7 lm/W
LSF 2000 h Rated	99 %	Color Rendering Index (Nom)	98
LSF 4000 h Rated	99 %	LLMF 2000 h Rated	93 %
LSF 6000 h Rated	99 %	LLMF 4000 h Rated	90 %
LSF 8000 h Rated	99 %	LLMF 6000 h Rated	88 %
LSF 12000 h Rated	89 %	LLMF 8000 h Rated	85 %
LSF 16000 h Rated	33 %	LLMF 12000 h Rated	82 %
LSF 20000 h Rated	2 %	LLMF 16000 h Rated	80 %
		LLMF 20000 h Rated	78 %
Light Technical		Operating and Electrical	
Color Code	965 [CCT of 6500K]	Power (Nom)	18 W
Luminous Flux (Nom)	930 lm	Lamp Current (Nom)	0.360 A
Luminous Flux (Rated) (Nom)	930 lm		
Color Designation	Cool Daylight		

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Temperature	
Design Temperature (Nom)	25 °C
Controls and Dimming	
Dimmable	Yes
Approval and Application	
Energy Efficiency Label (EEL)	B
Mercury (Hg) Content (Nom)	2 mg
Energy Consumption kWh/1000 h	22 kWh
Product Data	
Full product code	871150088852525

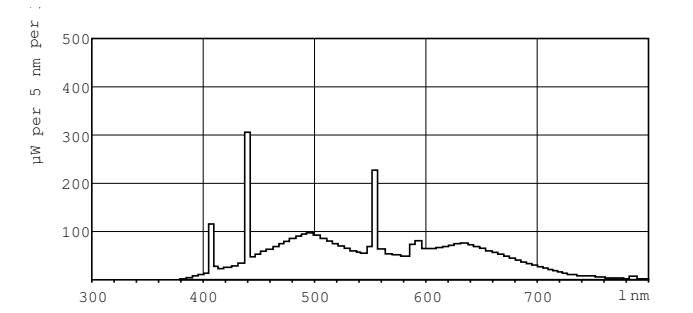
Order product name	MASTER TL-D 90 Graphica 18W/965 SLV/10
EAN/UPC - Product	8711500888525
Order code	928043796581
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	928043796581
Net Weight (Piece)	71.000 g
ILCOS Code	FD-18/65/1A-E-G13

Dimensional drawing

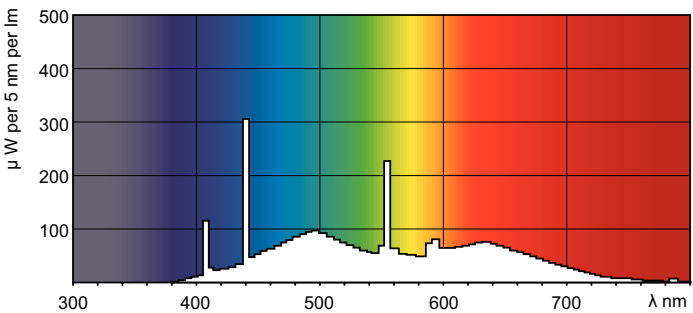
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 Graphica 18W/965 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

TL-D Graphica 18W/965

Photometric data



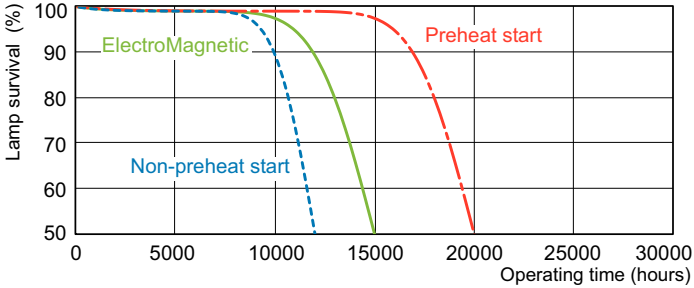
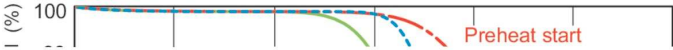
LDPB_TL-D9HCR_965-Spectral power distribution B/W



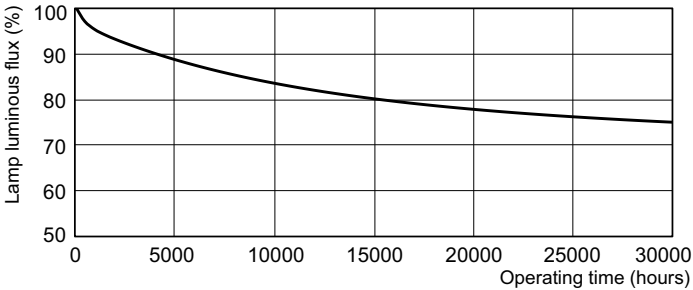
LDPO_TL-D9HCR_965-Spectral power distribution Colour

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Lifetime



LDLE_TL-D9HCR_0002-Life expectancy diagram



LDLE_TL-D9HCR_0001-Life expectancy diagram

LDLM_TL-D9HCR_0001-Lumen maintenance diagram

