



# MASTER TL-D 90 Graphica



## MASTER TL-D 90 Graphica 18W/952 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]
Life To 10% Failures (Nom)	6000 h
Life to 50% Failures (Nom)	8000 h
Life to 50% Failures Preheat (Nom)	10000 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 %
Flux measurement reference	Sphere

Light Technical	
Color Code	950 [ CCT of 5000K]
Luminous Flux (Nom)	960 lm
Luminous Flux (Rated) (Nom)	990 lm

Color Designation	Daylight
Chromaticity Coordinate X (Nom)	0.34
Chromaticity Coordinate Y (Nom)	0.351
Correlated Color Temperature (Nom)	5200 K
Luminous Efficacy (rated) (Nom)	52.8 lm/W
Color Rendering Index (Nom)	95
LLMF 2000 h Rated	93 %
LLMF 4000 h Rated	90 %
LLMF 6000 h Rated	88 %
LLMF 8000 h Rated	85 %
LLMF 12000 h Rated	82 %
LLMF 16000 h Rated	80 %
LLMF 20000 h Rated	78 %

Operating and Electrical	
Power (Nom)	18.4 W
Lamp Current (Nom)	0.360 A

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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
Mercury (Hg) Content (Nom)	2 mg
Energy Consumption kWh/1000 h	19 kWh

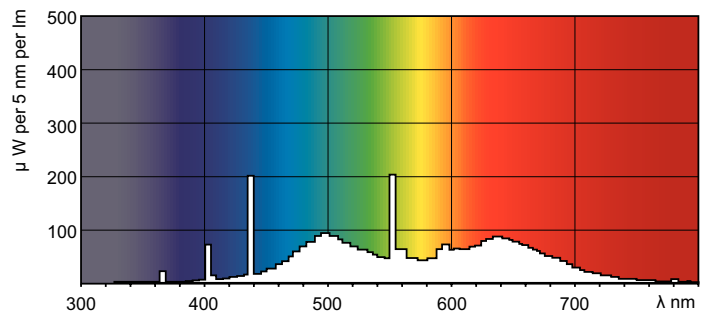
EPREL Registration Number	423522
Product Data	
Full product code	871150088850125
Order product name	MASTER TL-D 90 Graphica 18W/952 SLV/10
EAN/UPC - Product	8711500888501
Order code	928043795081
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	928043795081
Net Weight (Piece)	71.000 g
ILCOS Code	FD-18/53/1A-E-G13

## Dimensional drawing

Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 Graphica 18W/952 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

TL-D Graphica 18W/950

## Photometric data



LDPB\_TL-D9HCR\_950-Spectral power distribution B/W

LDPO\_TL-D9HCR\_950-Spectral power distribution Colour

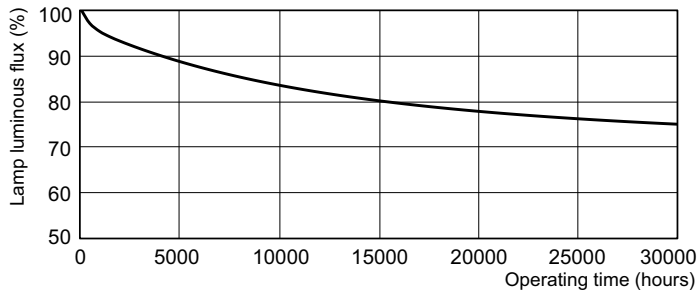
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## Lifetime



LDLE\_TL-D9HCR\_0002-Life expectancy diagram

LDLE\_TL-D9HCR\_0001-Life expectancy diagram



LDLM\_TL-D9HCR\_0001-Lumen maintenance diagram

