



# MASTER TL-D 90 Graphica



## MASTER TL-D 90 Graphica 18W/965 1SL/10

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

### 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	
Colour Code	965 [ CCT of 6500K]
Luminous Flux (Nom)	950 lm
Colour Designation	Cool Daylight
Chromaticity Coordinate X (Nom)	0.313

Chromaticity Coordinate Y (Nom)	0.337
Colour Temperature, horizontal (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	51.6 lm/W
Colour Rendering Index horiz (Nom)	96
Depreciation 2000 hrs	93 %
LLMF 4000 h Rated	90 %
Depreciation 5000 hrs	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 (Rated) (Nom)	18.4 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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## Mechanical and housing

Bulb Shape	T8 [ 26 mm (T8)]
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## Approval and application

Energy Efficiency Class	G
Mercury (Hg) Content (Nom)	1.7 mg
Energy Consumption kWh/1000 h	19 kWh
EPREL Registration Number	423523

## Product data

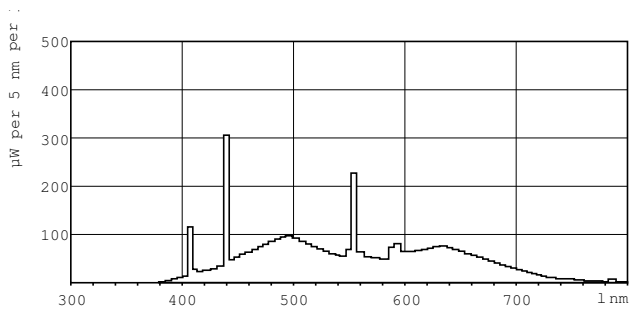
Full product code	871150088852525
Order product name	MASTER TL-D 90 Graphica 18W/965 SLV/10
EAN/UPC - Product	8711500888525
Order code	88852525
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	928043796581
Net Weight (Piece)	71.000 g
ILCOS Code	FD-18/65/1A-E-G13

## Dimensional drawing

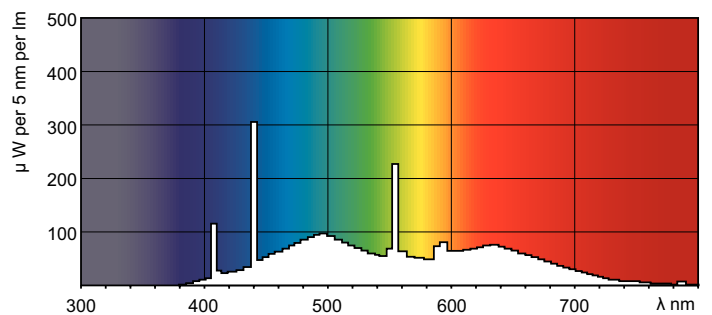
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 Graphica 18W/965 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

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## Photometric data



## Lightcolour TL-D Graphica /965



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# MASTER TL-D 90 Graphica

## Lifetime



LDLE\_TL-D9HCR\_0002-Life expectancy diagram

LDLE\_TL-D9HCR\_0001-Life expectancy diagram



LDLM\_TL-D9HCR\_0001-Lumen maintenance diagram

