



# 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.

### 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 %

Color Rendering Index (Nom)	98
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 W
Lamp Current (Nom)	0.360 A
Temperature	
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Design Temperature (Nom)	25 °C
Controls and Dimming	
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Dimmable	Yes
Approval and Application	
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Energy Efficiency Label (EEL)	B
Mercury (Hg) Content (Nom)	2 mg

Light Technical	
Color Code	965 [ CCT of 6500K]
Luminous Flux (Nom)	930 lm
Luminous Flux (Rated) (Nom)	930 lm
Color Designation	Cool Daylight
Chromaticity Coordinate X (Nom)	309
Chromaticity Coordinate Y (Nom)	323
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	51.7 lm/W

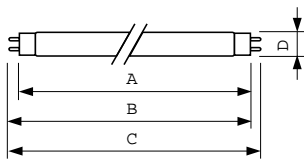
# MASTER TL-D 90 Graphica

Energy Consumption kWh/1000 h	22 kWh
<b>Product Data</b>	
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

## Warnings and Safety

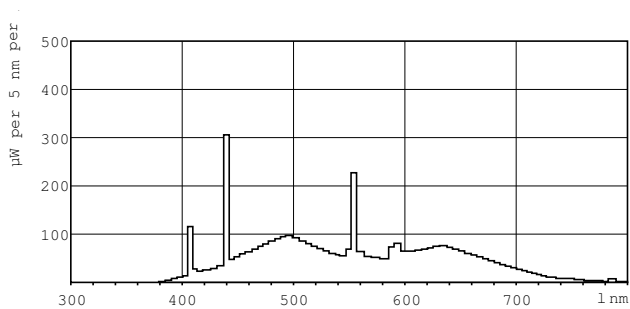
## Dimensional drawing



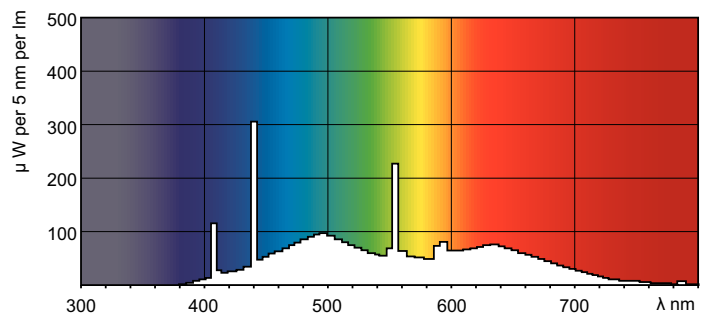
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 Graphica 18W/965 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

## 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

