



# 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

### Product data

General Information		Depreciation 2000 hrs	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]	LLMF 4000 h Rated	93 %
Life To 10% Failures (Nom)	6000 h	Depreciation 5000 hrs	90 %
Life to 50% Failures (Nom)	8000 h	LLMF 8000 h Rated	88 %
Life to 50% Failures Preheat (Nom)	10000 h	LLMF 12000 h Rated	85 %
LSF 2000 h Rated	99 %	LLMF 16000 h Rated	82 %
LSF 4000 h Rated	99 %	LLMF 20000 h Rated	80 %
LSF 6000 h Rated	99 %		78 %
LSF 8000 h Rated	99 %	Operating and Electrical	
LSF 12000 h Rated	89 %	Power (Rated) (Nom)	18 W
LSF 16000 h Rated	33 %	Lamp Current (Nom)	0.360 A
LSF 20000 h Rated	2 %	Temperature	
		Design Temperature (Nom)	25 °C
		Controls and Dimming	
		Dimmable	Yes
		Approval and Application	
		Energy Efficiency Label	B
		Mercury (Hg) Content (Nom)	2 mg
		Energy Consumption kWh/1000 h	22 kWh
Light Technical			
Colour Code	965 [ CCT of 6500K]		
Luminous Flux (Nom)	930 lm		
Luminous Flux (Rated) (Nom)	930 lm		
Colour Designation	Cool Daylight		
Chromaticity Coordinate X (Nom)	309		
Chromaticity Coordinate Y (Nom)	323		
Colour Temperature, horizontal (Nom)	6500 K		
Luminous Efficacy (rated) (Nom)	51.7 lm/W		
Colour Rendering Index horiz (Nom)	98		

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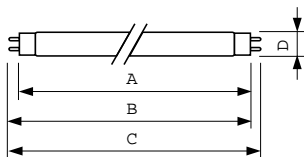
Product Data	
Full product code	871150088852525
Order product name	MASTER TL-D 90 Graphica 18W/965 SLV/10
EAN/UPC - Product	8711500888525
Order code	88852525
Numerator - Quantity Per Pack	1

Numerator - Packs per outer box	10
Material Nr. (12NC)	928043796581
Net Weight (Piece)	71.000 g
ILCOS Code	FD-18/65/1A-E-G13

## 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.

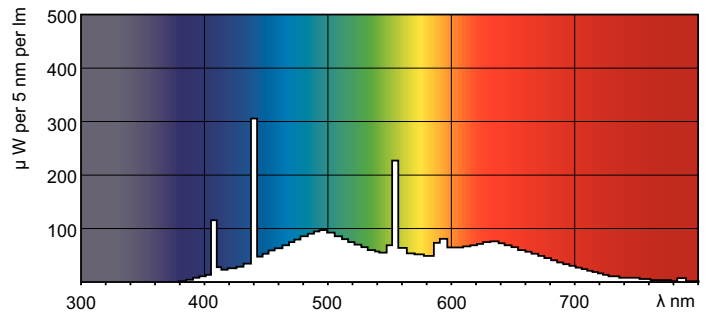
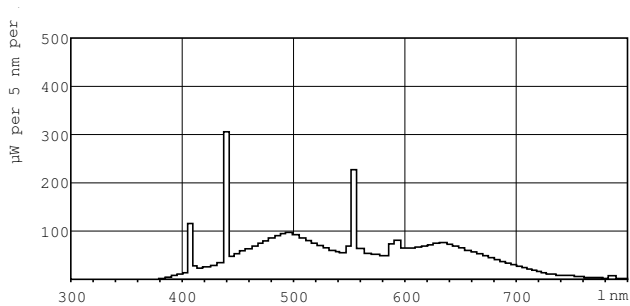
## Dimensional drawing



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

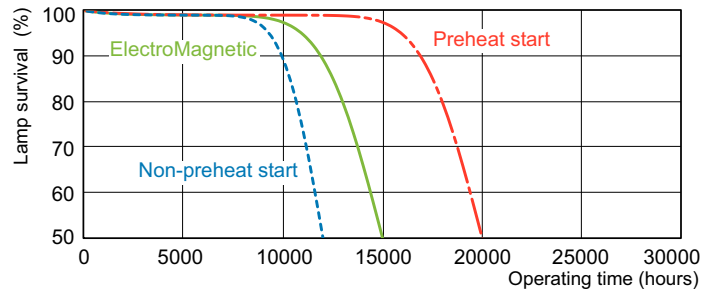
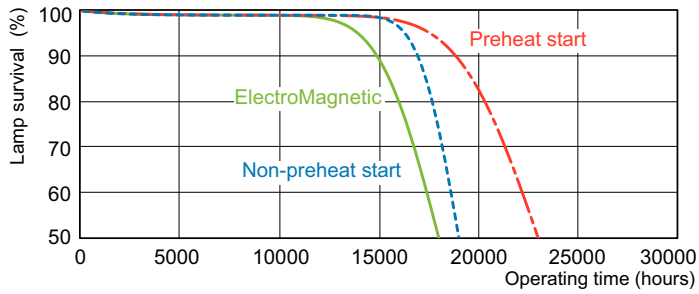


## Lightcolour TL-D Graphica /965

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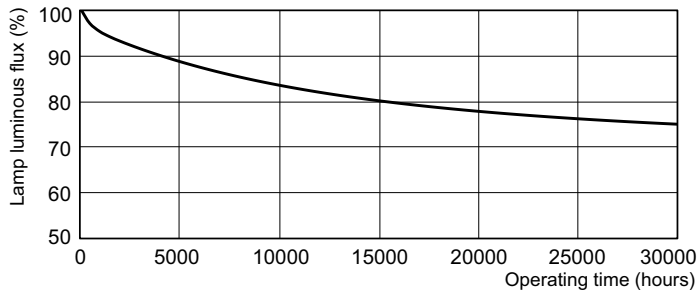
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## Lifetime



MASTER TL-D 90 Graphica Life Expectancy 12 h cycle

MASTER TL-D 90 Graphica Life Expectancy 3 h cycle



MASTER TL-D 90 Graphica Lumen Maintenance 3 h + 12 h cycle

