



# MASTER TL-D 90 De Luxe

## MASTER TL-D 90 De Luxe 18W/965 SLV/10

This TL-D lamp makes colors appear rich, deep and enhanced in a natural way. Thus very suitable for applications where a high color recognition is needed: first aid and treatment rooms in hospitals, printing rooms, jewelry, dentists, hairdressing, museums and shops

### 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		Luminous Flux (Rated) (Nom)	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]	Luminous Flux (Rated) (Nom)	1150 lm
Life To 10% Failures (Nom)	12000 h	Color Designation	Cool Daylight
Life to 50% Failures (Nom)	15000 h	Chromaticity Coordinate X (Nom)	309
Life to 50% Failures Preheat (Nom)	20000 h	Chromaticity Coordinate Y (Nom)	323
LSF 2000 h Rated	99 %	Correlated Color Temperature (Nom)	6500 K
LSF 4000 h Rated	99 %	Luminous Efficacy (rated) (Nom)	63.9 lm/W
LSF 6000 h Rated	99 %	Color Rendering Index (Nom)	93
LSF 8000 h Rated	99 %	LLMF 2000 h Rated	96 %
LSF 12000 h Rated	89 %	LLMF 4000 h Rated	95 %
LSF 16000 h Rated	33 %	LLMF 6000 h Rated	94 %
LSF 20000 h Rated	2 %	LLMF 8000 h Rated	93 %
		LLMF 12000 h Rated	92 %
		LLMF 16000 h Rated	91 %
		LLMF 20000 h Rated	90 %
Light Technical			
Color Code	965 [ CCT of 6500K]		
Luminous Flux (Nom)	1150 lm		

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## Operating and Electrical

Power (Nom)	18.0 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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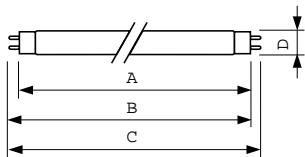
## Approval and Application

Energy Efficiency Label (EEL)	B
Mercury (Hg) Content (Nom)	2 mg
Energy Consumption kWh/1000 h	22 kWh

## Product Data

Full product code	871150088846425
Order product name	MASTER TL-D 90 De Luxe 18W/965 SLV/10
EAN/UPC - Product	8711500888464
Order code	928043596581
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	928043596581
Net Weight (Piece)	71.000 g
ILCOS Code	FD-18/65/1A-E-G13

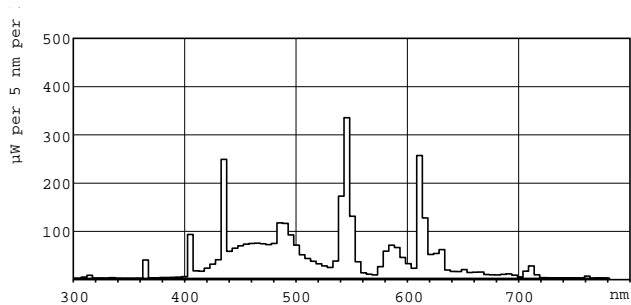
## Dimensional drawing



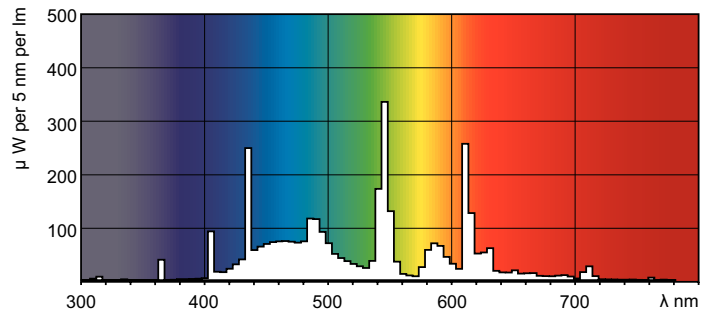
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 De Luxe 18W/965 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

## TL-D De Luxe 18W/965

## Photometric data



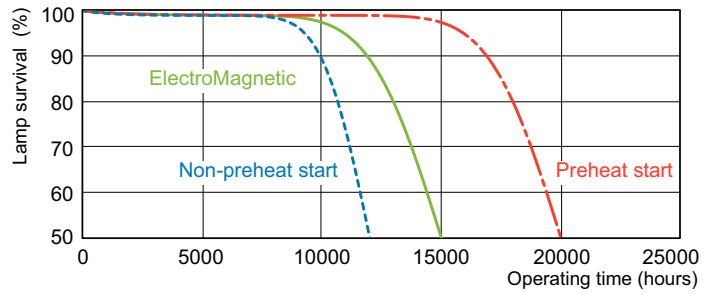
LDPB\_TL-D9Hlm\_965-Spectral power distribution B/W



LDPO\_TL-D9Hlm\_965-Spectral power distribution Colour

# MASTER TL-D 90 De Luxe

## Lifetime



LDLE\_TL-D9Hm\_0002-Life expectancy diagram

LDLE\_TL-D9Hm\_0001-Life expectancy diagram



LDLM\_TL-D9Hm\_0001-Lumen maintenance diagram

