



# MASTER TL-D 90 De Luxe

## MASTER TL-D 90 De Luxe 18W/965 SLV/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		Operating and Electrical	
Cap base	G13 [ Medium Bi-Pin Fluorescent]	Chromaticity coordinate Y (nom.)	0.337
Life to 10% failures (nom.)	12000 h	Colour Temperature, horizontal (Nom)	6500 K
Life to 50% failures (nom.)	15000 h	Lamp Luminous Efficacy EM (Nom)	62.5 lm/W
Life to 50% failures preheat (nom.)	20000 h	Colour Rendering Index,horiz (Nom)	93
LSF 2000 h Rated	99 %	LLMF 2000 h Rated	96 %
LSF 4000 h Rated	99 %	LLMF 4000 h Rated	95 %
LSF 6000 h Rated	99 %	LLMF 6000 h Rated	94 %
LSF 8000 h Rated	99 %	LLMF 8000 h Rated	93 %
LSF 12000 h Rated	89 %	LLMF 12000 h Rated	92 %
LSF 16000 h Rated	33 %	LLMF 16000 h Rated	91 %
LSF 20000 h Rated	2 %	LLMF 20000 h Rated	90 %
	Sphere		
Light Technical		Temperature	
Colour Code	965 [ CCT of 6,500 K]	Technical Lamp Power (Nom)	18.4 W
Lamp Luminous Flux 25°C EL (Nom)	1150 lm	Lamp current (nom.)	0.360 A
Colour Designation	Cool Daylight		
Chromaticity coordinate X (nom.)	0.313	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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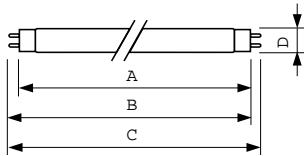
## Approval and Application

Energy Efficiency Class	G
Mercury (Hg) content (nom.)	2 mg
Energy consumption kWh/1,000 hours	19 kWh 423521

## 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
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	928043596581
SAP net weight (piece)	71.000 g
ILCOS code	FD-18/65/1A-E-G13

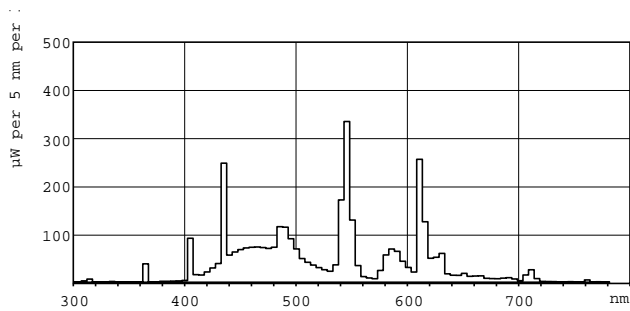
## Dimensional drawing



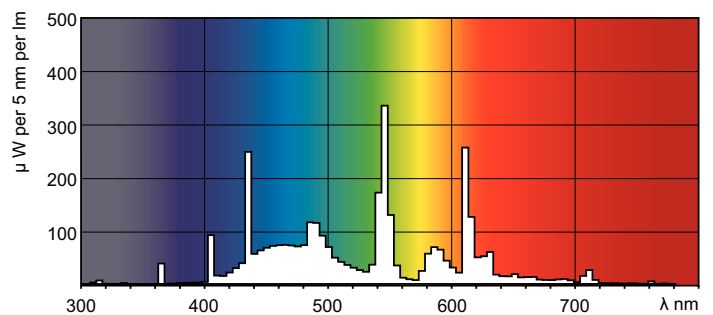
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 De Luxe 18W/965 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

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## Photometric data



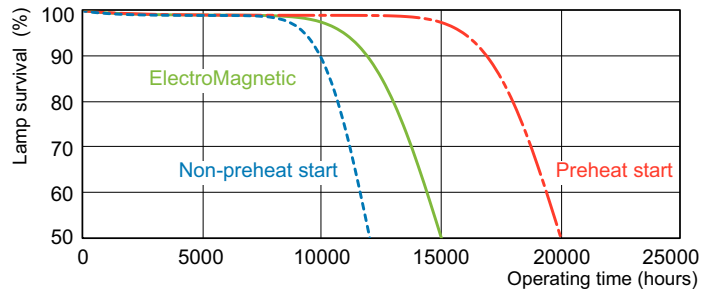
LDPB\_TL-D9Hlm\_965-Spectral power distribution B/W



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

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## Lifetime



LDLE\_TL-D9Hm\_0002-Life expectancy diagram

LDLE\_TL-D9Hm\_0001-Life expectancy diagram



LDLM\_TL-D9Hm\_0001-Lumen maintenance diagram

