



# MASTER TL-D 90 De Luxe

MASTER TL-D 90 De Luxe 36W/965 1SL

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

## Product data

### • General Characteristics

Cap-Base Bulb	G13 [Medium Bi-Pin Fluorescent] T8 [26 mm]
Life to 10% failures EM	12000 hr
Life to 10% fail Preheat EL,3h	17000 hr
Life to 10% fail Nonpreh EL,3h	10000 hr
Life to 50% failures EM	15000 hr
Life to 50% fail Preheat EL,3h	20000 hr
Life to 50% fail Nonpreh EL,3h	12000 hr
LSF EM 2000h Rated, 3h cycle	99 %
LSF EM 4000h Rated, 3h cycle	99 %
LSF EM 6000h Rated, 3h cycle	99 %
LSF EM 8000h Rated, 3h cycle	99 %
LSF EM 12000h Rated,3h cycle	89 %
LSF EM 16000h Rated,3h cycle	33 %
LSF EM 20000h Rated,3h cycle	2 %

### • Light Technical Characteristics

Colour Code	965 [CCT of 6500K]
Colour Rendering Index	93 Ra8
Colour Designation	Cool Daylight
Colour Temperature	6500 K

Luminous Flux EM 25°C, Rated	2800 Lm
Luminous Flux EM 25°C, Nominal	2800 Lm
Lum Efficacy Rated EM 25°C	77.8 Lm/W
Average Luminance EM	1.00 cd/cm <sup>2</sup>
LLMF EM 2000h Rated	96 %
LLMF EM 4000h Rated	95 %
LLMF EM 6000h Rated	94 %
LLMF EM 8000h Rated	93 %
LLMF EM 12000h Rated	92 %
LLMF EM 16000h Rated	91 %
LLMF EM 20000h Rated	90 %
Design Temperature	25 C
Chromaticity Coordinate X	309 -
Chromaticity Coordinate Y	322 -

### • Electrical Characteristics

Lamp Wattage	36 W
Lamp Wattage EM 25°C, Nominal	36 W
Lamp Wattage EM 25°C, Rated	36.0 W
Lamp Voltage EM 25°C	103 V



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Lamp Current EM 25°C 0.440 A  
Dimmable yes

## • Environmental Characteristics

Energy Efficiency Label (EEL) A  
Mercury (Hg) Content 3.0 mg  
Energy consumption kWh/1000h 43 kWh

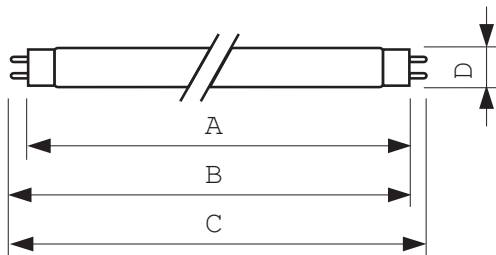
## • Product Dimensions

Base Face to Base Face A 1199.4 (max) mm  
Insertion Length B 1204.1 (min), 1206.5 (max) mm  
Overall Length C 1213.6 (max) mm  
Diameter D 28 (max) mm

## • Product Data

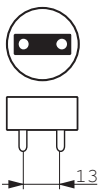
Order code 888624 25  
Full product code 871150088862425  
Full product name MASTER TL-D 90 De Luxe 36W/965 1SL  
Order product name MASTER TL-D 90 De Luxe 36W/965 1SL/10  
Pieces per pack 1  
Packing configuration 10  
Packs per outerbox 10  
Bar code on pack - EAN1 8711500888624  
Bar code on outerbox - EAN3 8711500888631  
Logistic code(s) - 12NC 928044596581  
ILCOS code FD-36/65/1A-E-G13  
Net weight per piece 137.500 gr

## Dimensional drawing



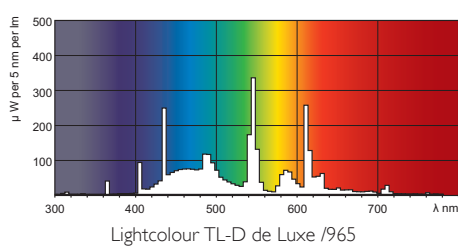
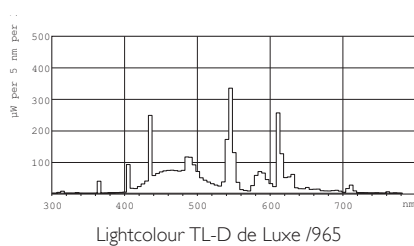
## MASTER TL-D 90 De Luxe 36W/965 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL-D De Luxe 36W/965	1199.4	1204.1	1206.5	1213.6	28



G13

## Photometric data





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2014, October 31  
data subject to change