



MASTER TL-D 90 De Luxe

MASTER TL-D 90 De Luxe 18W/965 1SL

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

Product data

• General Characteristics

Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Bulb	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

Color Code	965 [CCT of 6500K]
Color Rendering Index	93 Ra8
Color Designation (text)	Cool Daylight

Color Temperature	6500 K
Luminous Flux EM 25°C, Rated	1150 Lm
Luminous Flux EM 25°C, Nominal	1150 Lm
Lum Efficacy Rated EM 25°C	63.9 Lm/W
Luminance Average EM	0.90 cd/cm2
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	323 -

• Electrical Characteristics

Lamp Wattage	18 W
Lamp Wattage EM 25°C, Nominal	18 W
Lamp Wattage EM 25°C, Rated	18.0 W



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MASTER TL-D 90 De Luxe

Lamp Voltage EM 25°C 59 V
 Lamp Current EM 25°C 0.360 A
 Dimmable Yes

• Environmental Characteristics

Energy Efficiency Label (EEL) B
 Mercury (Hg) Content 3.0 mg
 Energy consumption kWh/1000h 22 kWh

• Product Dimensions

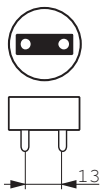
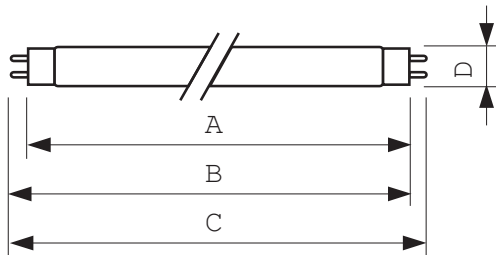
Base Face to Base Face A 589.8 (max) mm
 Insertion Length B 594.5 (min), 596.9 (max) mm
 Overall Length C 604 (max) mm

Diameter D 28 (max) mm

• Product Data

Order code 928043596581
 Full product code 928043596581
 Full product name MASTER TL-D 90 De Luxe 18W/965 1SL
 Order product name MASTER TL-D 90 De Luxe 18W/965 1SL/10
 Pieces per pack 1
 Packing configuration 10
 Packs per outerbox 10
 Bar code on pack - EAN1 8711500888464
 Bar code on outerbox - EAN3 8711500888471
 Logistic code(s) - 12NC 928043596581
 ILCOS code FD-18/65/1A-E-G13
 Net weight per piece 68.900 gr

Dimensional drawing

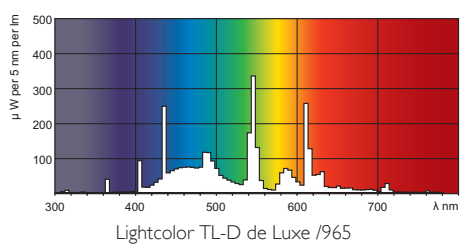
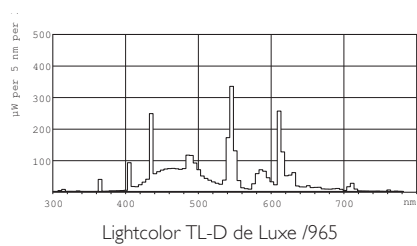


G13

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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL-D De Luxe 18W/965	589.8	594.5	596.9	604	28

Photometric data



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data subject to change