



# MASTER TL-D 90 Graphica

MASTER TL-D 90 Graphica 36W/965 1SL

This TL-D lamp has excellent color rendering which makes it very suitable for the graphical and printing industry to check the quality of printed material.

## Product data

### • General Characteristics

Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Bulb	T8 [26 mm]
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
Life to 10% fail Nonpreh EL,3h	10000 hr
Life to 10% fail Preheat EL,3h	17000 hr
Life to 10% failures EM	12000 hr
LSF EM 12000h Rated,3h cycle	90 %
LSF EM 8000h Rated, 3h cycle	95 %
LSF EM 6000h Rated, 3h cycle	96 %
LSF EM 4000h Rated, 3h cycle	97 %
LSF EM 2000h Rated, 3h cycle	99 %

### • Light Technical Characteristics

Color Code	965 [CCT of 6500K]
Color Rendering Index	98 Ra8
Color Designation (text)	Cool Daylight
Color Temperature	6500 K
Chromaticity Coordinate X	310 -

Chromaticity Coordinate Y	323 -
Luminance Average EM	0.80 cd/cm <sup>2</sup>
Lum Efficacy Rated EM 25°C	58.3 Lm/W
LLMF EM 12000h Rated	84 %
LLMF EM 8000h Rated	86 %
LLMF EM 6000h Rated	87 %
LLMF EM 4000h Rated	89 %
LLMF EM 2000h Rated	90 %
Luminous Flux EM 25°C, Rated	2100 Lm
Luminous Flux EM 25°C, Nominal	2100 Lm
Design Temperature	25 C

### • Electrical Characteristics

Lamp Wattage	36 W
Dimmable	Yes
Lamp Current EM 25°C	0.440 A
Lamp Wattage EM 25°C, Rated	36.0 W
Lamp Wattage EM 25°C, Nominal	36 W
Lamp Voltage EM 25°C	103 V



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## • Environmental Characteristics

Energy Efficiency Label (EEL)	B
Mercury (Hg) Content	3.0 mg

## • Product Dimensions

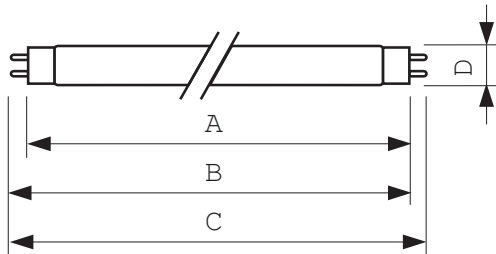
Base Face to Base Face A	1199.4 (max) mm
Insertion Length B	1204.1 (min), 1206.5 (max) mm
Overall Length C	1213.6 (max) mm
Diameter D	28 (max) mm

## • Product Data

Order code	928044796581
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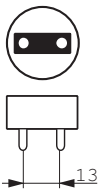
Full product code	928044796581
Full product name	MASTER TL-D 90 Graphica 36W/965 1SL
Order product name	MASTER TL-D 90 Graphica 36W/965 1SL/10
Pieces per pack	1
Packing configuration	10
Packs per outerbox	10
Bar code on pack - EAN1	8711500888365
Bar code on outerbox - EAN3	8711500888662
Logistic code(s) - 12NC	928044796581
ILCOS code	FD-36/65/1A-E-G13
Net weight per piece	138.400 gr

## Dimensional drawing



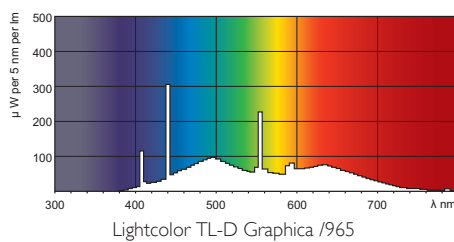
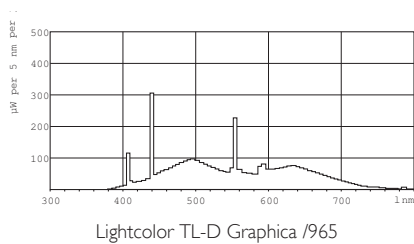
## G13, T8

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



G13

## Photometric data





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[www.philips.com/lighting](http://www.philips.com/lighting)

2011, December 21  
data subject to change