



Seeing colors as they are

MASTER TL-D 90 Graphica

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.

Benefits

- Making representation of colors extremely realistic
- Consistent with the strict standards for the graphical industry defined in standard EN-12464
- Enabling customer to switch to excellent color rendering properties with low decrease of light level

Features

- High-quality fluorescent coating for excellent color rendering and very accurate color point
- Use of mix of three-band phosphors and halophosphates for high efficacy
- Retrofit in current luminaires for standard TL-D lamps

Application

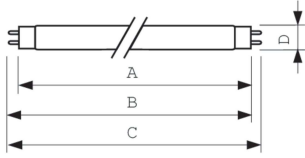
- Used in applications where excellent color rendering is crucial, such as the graphical industry, printing industry, photo shops, hospitals, etc.

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.

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Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 Graphica 18W/952 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D 90 Graphica 18W/965 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D 90 Graphica 36W/952 SLV/10	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D 90 Graphica 36W/965 SLV/10	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D 90 Graphica 58W/952 SLV/10	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm
MASTER TL-D 90 Graphica 58W/965 SLV/10	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm

General Information

Cap-Base G13

Controls and Dimming

Dimmable Yes

Mechanical and Housing

Bulb Shape T8

Approval and Application

Mercury (Hg) Content (Nom) 1.7 mg

Light Technical

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color		Luminous Flux
						rendering index (CRI)	Luminous Efficacy (rated) (Nom)	
928043795081	MASTER TL-D 90 Graphica 18W/952 SLV/10	0.34	0.351	Daylight	5200 K	95	52.2 lm/W	960 lm
928043796581	MASTER TL-D 90 Graphica 18W/965 SLV/10	0.313	0.337	Cool Daylight	6500 K	96	51.6 lm/W	950 lm
928044795081	MASTER TL-D 90 Graphica 36W/952 SLV/10	0.34	0.351	Daylight	5200 K	95	62.5 lm/W	2,300 lm
928044796581	MASTER TL-D 90 Graphica 36W/965 SLV/10	0.313	0.337	Cool Daylight	6500 K	97	57.1 lm/W	2,100 lm
928045295081	MASTER TL-D 90 Graphica 58W/952 SLV/10	0.34	0.351	Daylight	5200 K	97	61.1 lm/W	3,640 lm
928045296581	MASTER TL-D 90 Graphica 58W/965 SLV/10	0.313	0.337	Cool Daylight	6500 K	97	60.8 lm/W	3,625 lm

Operating and Electrical

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Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
928043795081	MASTER TL-D 90 Graphica 18W/952 SLV/10	0.360 A	18.4 W
928043796581	MASTER TL-D 90 Graphica 18W/965 SLV/10	0.360 A	18.4 W
928044795081	MASTER TL-D 90 Graphica 36W/952 SLV/10	0.440 A	36.8 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
928044796581	MASTER TL-D 90 Graphica 36W/965 SLV/10	0.440 A	36.8 W
928045295081	MASTER TL-D 90 Graphica 58W/952 SLV/10	0.670 A	59.6 W
928045296581	MASTER TL-D 90 Graphica 58W/965 SLV/10	0.670 A	59.6 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928043795081	MASTER TL-D 90 Graphica 18W/952 SLV/10	19 kWh
928043796581	MASTER TL-D 90 Graphica 18W/965 SLV/10	19 kWh
928044795081	MASTER TL-D 90 Graphica 36W/952 SLV/10	37 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928044796581	MASTER TL-D 90 Graphica 36W/965 SLV/10	37 kWh
928045295081	MASTER TL-D 90 Graphica 58W/952 SLV/10	60 kWh
928045296581	MASTER TL-D 90 Graphica 58W/965 SLV/10	60 kWh

