



# 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

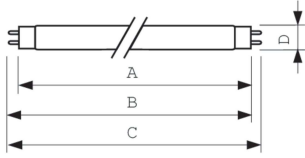
- Used in applications where excellent color rendering is crucial, such as the graphical industry, printing industry, photo shops, hospitals, etc.

### 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.

# MASTER TL-D 90 Graphica

## 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

## MASTER TL-D 90 Graphica

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

