



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

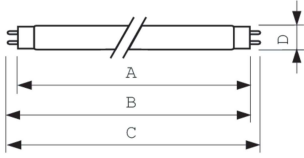
- Used in applications where excellent color rendering is crucial, such as the graphical industry, printing industry, photo shops, hospitals, etc.

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 Efficacy (rated) (Nom) | Luminous Flux |
|--------------|---|---------------------------------------|---------------------------------------|----------------------|---------------------------------------|--------------------------|--|------------------------------------|---------------|
| | | | | | | rendering index (CRI) | | | |
| 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 |

