



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

Approval and Application

Energy Efficiency Label (EEL)	B
Mercury (Hg) Content (Nom)	2 mg

Controls and Dimming

Dimmable	Yes
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General Information

Cap-Base	G13
Life To 50% Failures Preheat (Nom)	10000 h
Life To 10% Failures (Nom)	6000 h
Life To 50% Failures (Nom)	8000 h
LSF 12000 h Rated	89 %
LSF 16000 h Rated	33 %
LSF 2000 h Rated	99 %
LSF 20000 h Rated	2 %
LSF 4000 h Rated	99 %
LSF 6000 h Rated	99 %
LSF 8000 h Rated	99 %

Light Technical

Chromaticity Coordinate X (Nom)	348
Chromaticity Coordinate Y (Nom)	360
Colour Code	950
Colour Designation	Daylight
Colour Rendering Index (Nom)	95
LLMF 12000 h Rated	82 %
LLMF 16000 h Rated	80 %
LLMF 2000 h Rated	93 %
LLMF 20000 h Rated	78 %
LLMF 4000 h Rated	90 %
LLMF 6000 h Rated	88 %
LLMF 8000 h Rated	85 %

Mechanical and Housing

Bulb Shape	T8
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Temperature

Design Temperature (Nom)	25 °C
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
88850125	MASTER TL-D 90 Graphica 18W/950 1SL/10	22 kWh
88864825	MASTER TL-D 90 Graphica 36W/950 1SL/10	43 kWh
88875425	MASTER TL-D 90 Graphica 58W/950 1SL/10	69 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
88850125	MASTER TL-D 90 Graphica 18W/950 1SL/10	0.360 A	18.0 W
88864825	MASTER TL-D 90 Graphica 36W/950 1SL/10	0.440 A	36.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
88875425	MASTER TL-D 90 Graphica 58W/950 1SL/10	0.670 A	58.5 W

Light Technical

MASTER TL-D 90 Graphica

Order Code	Full Product Name	Luminous		
		Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
88850125	MASTER TL-D 90 Graphica 18W/950 1SL/10	52.8 lm/W	990 lm	990 lm
88864825	MASTER TL-D 90 Graphica 36W/950 1SL/10	65 lm/W	2330 lm	2330 lm

Order Code	Full Product Name	Luminous		
		Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
88875425	MASTER TL-D 90 Graphica 58W/950 1SL/10	62.7 lm/W	3750 lm	3750 lm

