



# Product Description

## MASTER TL-D 90 Graphica

Low-pressure mercury discharge lamps with a tubular 26 mm envelope

### Benefits

- Excellent colour rendering. Making representation of colours extremely realistic
- Lamp developed to answer the needs of the demanding graphical industry (consistent with the strict standards for the graphical industry defined in EN-12464)
- Very accurate colour point
- Attractive packaging configuration
- Direct retrofit for all Standard and Super 80 TL-D lamps operating on conventional or electronic gear
- Choice of daylight and cool daylight colours

### Features

- High-quality fluorescent coating
- Available in two colour designations

### Application

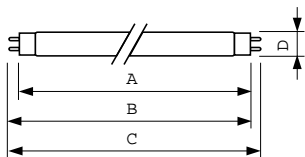
- Used in applications where excellent colour rendering is crucial, such as the graphical industry, printing industry, photo shops, hospitals, etc.

# MASTER TL-D 90 Graphica

## Versions



## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 Graphica 36W/950 SLV/10	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D 90 Graphica 18W/950 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm

# 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
Correlated Colour Temperature (Nom)	5300 K
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

## 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

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

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

