



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.

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

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
928043795081	MASTER TL-D 90 Graphica 18W/950 SLV/10	22 kWh
928043796581	MASTER TL-D 90 Graphica 18W/965 SLV/10	22 kWh
928044795081	MASTER TL-D 90 Graphica 36W/950 SLV/10	43 kWh
928044796581	MASTER TL-D 90 Graphica 36W/965 SLV/10	43 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
928043795081	MASTER TL-D 90 Graphica 18W/950 SLV/10	0.360 A	18.0 W
928043796581	MASTER TL-D 90 Graphica 18W/965 SLV/10	0.360 A	18 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
928044795081	MASTER TL-D 90 Graphica 36W/950 SLV/10	0.440 A	36.0 W
928044796581	MASTER TL-D 90 Graphica 36W/965 SLV/10	0.440 A	36.0 W

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928043795081	MASTER TL-D 90 Graphica	348	360	950	Daylight

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
	18W/950				
	SLV/10				

MASTER TL-D 90 Graphica

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928043796581	MASTER TL-D 90 Graphica 18W/965 SLV/10	309	323	965	Cool Daylight
928044795081	MASTER TL-D 90 Graphica	348	360	950	Daylight

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
	36W/950 SLV/10				
928044796581	MASTER TL-D 90 Graphica 36W/965 SLV/10	310	323	965	Cool Daylight

Light Technical (2/2)

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux	
					Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
928043795081	MASTER TL-D 90 Graphica 18W/950 SLV/10	-	95	52.8 lm/W	990 lm	990 lm
928043796581	MASTER TL-D 90 Graphica 18W/965 SLV/10	6500 K	98	51.7 lm/W	930 lm	930 lm
928044795081	MASTER TL-D 90	-	95	65 lm/W	2330 lm	2330 lm

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux	
					Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
	Graphica 36W/950 SLV/10					
928044796581	MASTER TL-D 90 Graphica 36W/965 SLV/10	6500 K	98	58.3 lm/W	2100 lm	2100 lm

