



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
928044795081	MASTER TL-D 90 Graphica 36W/950 SLV/10	43 kWh
928044796581	MASTER TL-D 90 Graphica 36W/965 SLV/10	43 kWh
928045296581	MASTER TL-D 90 Graphica 58W/965 SLV/10	69 kWh

Operating and Electrical

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

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
928045296581	MASTER TL-D 90 Graphica 58W/965 SLV/10	0.670 A	58.5 W

Light Technical (1/2)

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
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				

MASTER TL-D 90 Graphica

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928044796581	MASTER TL-D 90 Graphica 36W/965 SLV/10	310	323	965	Cool Daylight
928045296581	MASTER TL-D 90 Graphica	311	324	965	Cool Daylight

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
	58W/965 SLV/10				

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)
928044795081	MASTER TL-D 90 Graphica 36W/950 SLV/10	-	95	65 lm/W	2330 lm	2330 lm
928044796581	MASTER TL-D 90 Graphica	6500 K	98	58.3 lm/W	2100 lm	2100 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)
	36W/965 SLV/10					
928045296581	MASTER TL-D 90 Graphica 58W/965 SLV/10	6500 K	98	57.3 lm/W	3350 lm	3350 lm

