



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

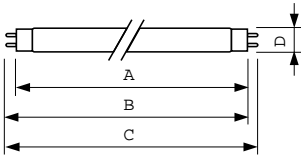
- Used in applications where excellent colour rendering is crucial, such as the graphical industry, printing industry, photo shops, hospitals, etc.

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/965 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
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
Temperature	
Design Temperature (Nom)	25 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928043796581	MASTER TL-D 90 Graphica 18W/965 SLV/10	22 kWh
928044795081	MASTER TL-D 90 Graphica 36W/950 SLV/10	43 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
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

Light Technical (1/2)

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

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Colour Code	Colour Designation
928044795081	MASTER TL-D 90 Graphica 36W/950 SLV/10	348	360	950	Daylight

Light Technical (2/2)

MASTER TL-D 90 Graphica

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

Order Code	Full Product Name	Correlated Colour Temperature	Colour Rendering Index	Luminous Efficacy (rated)	Luminous Flux	Luminous Flux (Rated)
		(Nom)	(Nom)	(Nom)	(Nom)	(Nom)
928044795081	MASTER TL-D 90 Graphica 36W/950 SLV/10	5300 K	95	65 lm/W	2330 lm	2330 lm

