



Seeing colors in a natural way

MASTER TL-D 90 De Luxe

This TL-D lamp makes colors appear rich, deep and enhanced in a natural way. Thus very suitable for applications where a high color recognition is needed: first aid and treatment rooms in hospitals, printing rooms, jewelry, dentists, hairdressing, museums and shops

Benefits

- Very good color rendering, making products appear more attractive and colors appear rich, deep and enhanced as they do in daylight
- Enabling customer to switch to improved color rendering properties with (almost) no decrease of light level
- Enabling customers (in certain segments) to respect the new European standard for lighting of indoor workplaces (CEN 12464-1), without investing in new luminaires

Features

- High-quality fluorescent coating for improved color rendering
- Use of three-band phosphors for high efficacy
- Retrofit in current luminaires for standard TL-D lamps
- Available in various color designations

Application

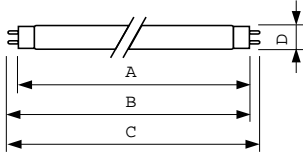
- Used in applications where good color rendering is crucial, such as shops (flower, fashion, department, etc.), hairdresser, museums, hospitals, etc.

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 De Luxe

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 De Luxe 36W/940 SLV/10	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D 90 De Luxe 58W/965 SLV/10	28 mm	1500.0 mm	1507.1 mm	1504.7 mm	1514.2 mm
MASTER TL-D 90 De Luxe 36W/950 SLV/10	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm

Approval and Application

Energy Efficiency Label (EEL)	A
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)	20000 h
Life To 10% Failures (Nom)	12000 h
Life To 50% Failures (Nom)	15000 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	92 %
LLMF 16000 h Rated	91 %
LLMF 2000 h Rated	96 %
LLMF 20000 h Rated	90 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
Luminous Efficacy (rated) (Nom)	77.8 lm/W

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
88858725	MASTER TL-D 90 De Luxe 36W/940 1SL/10	43 kWh
88860025	MASTER TL-D 90 De Luxe 36W/950 1SL/10	43 kWh
88873025	MASTER TL-D 90 De Luxe 58W/965 1SL/10	68 kWh

Operating and Electrical

MASTER TL-D 90 De Luxe

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
88858725	MASTER TL-D 90 De Luxe 36W/940 1SL/10	0.440 A	36.0 W
88860025	MASTER TL-D 90 De Luxe 36W/950 1SL/10	0.440 A	36.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
88873025	MASTER TL-D 90 De Luxe 58W/965 1SL/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
88858725	MASTER TL-D 90 De Luxe 36W/940 1SL/10	381	379	940	Cool White (CW)
88860025	MASTER TL-D 90 De Luxe 36W/950 1SL/10	340	352	950	Daylight

Order Code	Full Product Name	Chromaticity		Colour	
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
88873025	MASTER TL-D 90 De Luxe 58W/965 1SL/10	309	323	965	Cool Daylight

Light Technical (2/2)

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
		88858725	MASTER TL-D 90 De Luxe 36W/940 1SL/10	4000 K	91
88860025	MASTER TL-D 90 De Luxe 36W/950 1SL/10	-	92	2800 lm	2800 lm

Order Code	Full Product Name	Correlated Colour Temperature (Nom)	Colour Rendering Index (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
		88873025	MASTER TL-D 90 De Luxe 58W/965 1SL/10	6500 K	93

