



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

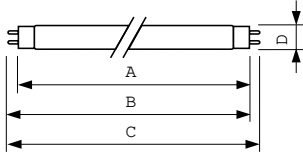
- Used in applications where good color rendering is crucial, such as shops (flower, fashion, department, etc.), hairdresser, museums, hospitals, etc.

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 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/965 SLV/10	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm
MASTER TL-D 90 De Luxe 36W/952 SLV/10	28 mm	1199.4 mm	1206.5 mm	1204.1 mm	1213.6 mm

Approval and application

Mercury (Hg) Content (Nom)	1.7 mg
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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 %

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
88860025	MASTER TL-D 90 De Luxe 36W/952 1SL/10	37 kWh
88862425	MASTER TL-D 90 De Luxe 36W/965 1SL/10	37 kWh
88873025	MASTER TL-D 90 De Luxe 58W/965 1SL/10	60 kWh

Operating and electrical

MASTER TL-D 90 De Luxe

Order Code	Full Product Name	Lamp Current	
		(Nom)	Power (Nom)
88860025	MASTER TL-D 90 De Luxe 36W/952 1SL/10	0.440 A	36.8 W
88862425	MASTER TL-D 90 De Luxe 36W/965 1SL/10	0.440 A	36.8 W

Order Code	Full Product Name	Lamp Current	
		(Nom)	Power (Nom)
88873025	MASTER TL-D 90 De Luxe 58W/965 1SL/10	0.670 A	59.8 W

Light technical (1/2)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
88860025	MASTER TL-D 90 De Luxe 36W/952 1SL/10	0.34	0.351	952	Daylight
88862425	MASTER TL-D 90 De Luxe 36W/965 1SL/10	0.313	0.337	965	Cool Daylight

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
88873025	MASTER TL-D 90 De Luxe 58W/965 1SL/10	0.313	0.337	965	Cool Daylight

Light technical (2/2)

Order Code	Full Product Name	Correlated Colour	Colour Rendering	Luminous Efficacy	Luminous Flux
		Temperature (Nom)	Index (Nom)	(rated) (Nom)	(Nom)
88860025	MASTER TL-D 90 De Luxe 36W/952 1SL/10	5200 K	92	77.4 lm/W	2850 lm
88862425	MASTER TL-D 90 De Luxe 36W/965 1SL/10	6500 K	93	77.4 lm/W	2850 lm

Order Code	Full Product Name	Correlated Colour	Colour Rendering	Luminous Efficacy	Luminous Flux
		Temperature (Nom)	Index (Nom)	(rated) (Nom)	(Nom)
88873025	MASTER TL-D 90 De Luxe 58W/965 1SL/10	6500 K	93	76.1 lm/W	4550 lm

