



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

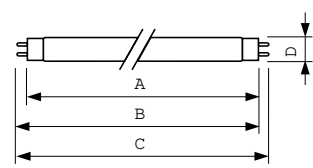
- Used in applications where good color rendering is crucial, such as shops (flower, fashion, department, etc.), hairdresser, museums, hospitals, etc.

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.

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Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D 90 De Luxe 18W/952 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D 90 De Luxe 18W/965 SLV/10	28 mm	589.8 mm	596.9 mm	594.5 mm	604 mm
MASTER TL-D 90 De Luxe 36W/940 SLV/10	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D 90 De Luxe 36W/952 SLV/10	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D 90 De Luxe 36W/965 SLV/10	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D 90 De Luxe 58W/940 SLV/10	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm
MASTER TL-D 90 De Luxe 58W/952 SLV/10	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm
MASTER TL-D 90 De Luxe 58W/965 SLV/10	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm

General Information	
Cap-Base	G13
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	T8
Approval and Application	
Mercury (Hg) Content (Nom)	1.7 mg

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy	
		Coordinate X (Nom)	Coordinate Y (Nom)				(rated) (Nom)	Luminous Flux
928043595081	MASTER TL-D 90 De Luxe 18W/952 SLV/10	0.34	0.351	Daylight	5200 K	92	62.5 lm/W	1,150 lm
928043596581	MASTER TL-D 90 De Luxe 18W/965 SLV/10	0.313	0.337	Cool Daylight	6500 K	93	62.5 lm/W	1,150 lm
928044594081	MASTER TL-D 90 De Luxe 36W/940 SLV/10	0.38	0.38	Cool White (CW)	4000 K	91	78.8 lm/W	2,800 lm
928044595081	MASTER TL-D 90 De Luxe 36W/952 SLV/10	0.34	0.351	Daylight	5200 K	92	77.4 lm/W	2,850 lm
928044596581	MASTER TL-D 90 De Luxe 36W/965 SLV/10	0.313	0.337	Cool Daylight	6500 K	93	77.4 lm/W	2,850 lm
928045094081	MASTER TL-D 90 De Luxe 58W/940 SLV/10	0.38	0.38	Cool White (CW)	4000 K	91	76.9 lm/W	4,600 lm
928045095081	MASTER TL-D 90 De Luxe 58W/952 SLV/10	0.34	0.351	Daylight	5200 K	92	76.1 lm/W	4,550 lm

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Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
928045096581	MASTER TL-D 90 De Luxe 58W/965 SLV/10	0.313	0.337	Cool Daylight	6500 K	93	76.1 lm/W	4,550 lm

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
928043595081	MASTER TL-D 90 De Luxe 18W/952 SLV/10	0.360 A	18.4 W
928043596581	MASTER TL-D 90 De Luxe 18W/965 SLV/10	0.360 A	18.4 W
928044594081	MASTER TL-D 90 De Luxe 36W/940 SLV/10	0.440 A	36.0 W
928044595081	MASTER TL-D 90 De Luxe 36W/952 SLV/10	0.440 A	36.8 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
928044596581	MASTER TL-D 90 De Luxe 36W/965 SLV/10	0.440 A	36.8 W
928045094081	MASTER TL-D 90 De Luxe 58W/940 SLV/10	0.670 A	58.5 W
928045095081	MASTER TL-D 90 De Luxe 58W/952 SLV/10	0.670 A	59.8 W
928045096581	MASTER TL-D 90 De Luxe 58W/965 SLV/10	0.670 A	59.8 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928043595081	MASTER TL-D 90 De Luxe 18W/952 SLV/10	19 kWh
928043596581	MASTER TL-D 90 De Luxe 18W/965 SLV/10	19 kWh
928044594081	MASTER TL-D 90 De Luxe 36W/940 SLV/10	43 kWh
928044595081	MASTER TL-D 90 De Luxe 36W/952 SLV/10	37 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
928044596581	MASTER TL-D 90 De Luxe 36W/965 SLV/10	37 kWh
928045094081	MASTER TL-D 90 De Luxe 58W/940 SLV/10	68 kWh
928045095081	MASTER TL-D 90 De Luxe 58W/952 SLV/10	60 kWh
928045096581	MASTER TL-D 90 De Luxe 58W/965 SLV/10	60 kWh

