



# 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.

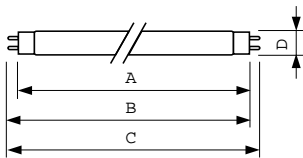
# MASTER TL-D 90 De Luxe

## Versions



LPPR TL-D9HLM G13

## 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

# MASTER TL-D 90 De Luxe

Order Code	Full Product Name	Chromaticity		Color Designation	Correlated Color		Luminous Efficacy (rated) (Nom)
		Coordinate X (Nom)	Coordinate Y (Nom)		Temperature (Nom)		
928043595081	MASTER TL-D 90 De Luxe 18W/952 SLV/10	0.34	0.351	Daylight	5200 K		62.5 lm/W
928043596581	MASTER TL-D 90 De Luxe 18W/965 SLV/10	0.313	0.337	Cool Daylight	6500 K		62.5 lm/W
928044594081	MASTER TL-D 90 De Luxe 36W/940 SLV/10	0.38	0.38	Cool White (CW)	4000 K		78.8 lm/W
928044595081	MASTER TL-D 90 De Luxe 36W/952 SLV/10	0.34	0.351	Daylight	5200 K		77.4 lm/W
928044596581	MASTER TL-D 90 De Luxe 36W/965 SLV/10	0.313	0.337	Cool Daylight	6500 K		77.4 lm/W
928045094081	MASTER TL-D 90 De Luxe 58W/940 SLV/10	0.38	0.38	Cool White (CW)	4000 K		76.9 lm/W
928045095081	MASTER TL-D 90 De Luxe 58W/952 SLV/10	0.34	0.351	Daylight	5200 K		76.1 lm/W
928045096581	MASTER TL-D 90 De Luxe 58W/965 SLV/10	0.313	0.337	Cool Daylight	6500 K		76.1 lm/W

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Order Code	Full Product Name	Lamp Current (Nom)
928043595081	MASTER TL-D 90 De Luxe 18W/952 SLV/10	0.360 A	928044596581	MASTER TL-D 90 De Luxe 36W/965 SLV/10	0.440 A
928043596581	MASTER TL-D 90 De Luxe 18W/965 SLV/10	0.360 A	928045094081	MASTER TL-D 90 De Luxe 58W/940 SLV/10	0.670 A
928044594081	MASTER TL-D 90 De Luxe 36W/940 SLV/10	0.440 A	928045095081	MASTER TL-D 90 De Luxe 58W/952 SLV/10	0.670 A
928044595081	MASTER TL-D 90 De Luxe 36W/952 SLV/10	0.440 A	928045096581	MASTER TL-D 90 De Luxe 58W/965 SLV/10	0.670 A

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Order Code	Full Product Name	Energy Consumption kWh/1000 h
928043595081	MASTER TL-D 90 De Luxe 18W/952 SLV/10	19 kWh	928044596581	MASTER TL-D 90 De Luxe 36W/965 SLV/10	37 kWh
928043596581	MASTER TL-D 90 De Luxe 18W/965 SLV/10	19 kWh	928045094081	MASTER TL-D 90 De Luxe 58W/940 SLV/10	68 kWh
928044594081	MASTER TL-D 90 De Luxe 36W/940 SLV/10	43 kWh	928045095081	MASTER TL-D 90 De Luxe 58W/952 SLV/10	60 kWh
928044595081	MASTER TL-D 90 De Luxe 36W/952 SLV/10	37 kWh	928045096581	MASTER TL-D 90 De Luxe 58W/965 SLV/10	60 kWh

