



Product Description

MASTER TL5 High Output 90 De Luxe

Low-pressure mercury discharge lamps with a tubular 16 mm envelope

Benefits

- Allow system miniaturisation and maximum luminaire design freedom, with lamp lengths defined for easy fitting into ceiling module systems
- Virtually constant lumen level with good lumen maintenance
- Excellent colour rendering

Features

- 40% thinner than existing TL-D lamps
- Highly efficient multi-band fluorescent coating in combination with precoating and high lamp load
- Specifically designed for operation with electronic gear and well suited for dimming
- Maximum lumen output reached at approx. 35 °C in free-burning position if an HF electronic ballast without additional electrode heating is used
- Can be ignited from -15 ° to +50 °C

Application

- Where a high colour recognition is needed: first aid and treatment rooms in hospitals, printing rooms, jewellery manufacturing, dentists, hairdressing, museums, shops and various others

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.

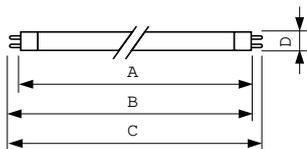
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Versions



LPPR TL5-HO9

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO 90 De Luxe 24W/965 1SL20	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HO 90 De Luxe 49W/965 1SL20	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HO 90 De Luxe 54W/940 1SL20	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HO 90 De Luxe 54W/952 1SL20	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HO 90 De Luxe 54W/965 1SL20	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm

General Information

Cap-Base G5

Controls and Dimming

Dimmable Yes

Mechanical and Housing

Bulb Shape T5

Approval and Application

Mercury (Hg) Content (Nom) 1.2 mg

Light Technical

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
86972200	MASTER TL5 HO 90 De Luxe 49W/965 1SL/20	0.313	0.337	Cool Daylight	6500 K	92	76 lm/W	3,800 lm
26130400	MASTER TL5 HO 90 De Luxe 24W/965 1SL/20	0.313	0.337	Cool Daylight	6500 K	92	68 lm/W	1,525 lm

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Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color Temperature (Nom)	Color	Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)			rendering index (CRI)		
86905000	MASTER TL5 HO 90 De Luxe 54W/940 1SL/20	380	380	Cool White (CW)	4000 K	91	71 lm/W	4,300 lm
89066500	MASTER TL5 HO 90 De Luxe 54W/952 1SL/20	0.34	0.351	Daylight	5200 K	91	71 lm/W	3,825 lm
86983800	MASTER TL5 HO 90 De Luxe 54W/965 1SL/20	0.313	0.337	Cool Daylight	6500 K	92	71 lm/W	3,825 lm

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
86972200	MASTER TL5 HO 90 De Luxe 49W/965 1SL/20	0.255 A	49.8 W
26130400	MASTER TL5 HO 90 De Luxe 24W/965 1SL/20	0.295 A	22.8 W
86905000	MASTER TL5 HO 90 De Luxe 54W/940 1SL/20	0.455 A	54.1 W

Order Code	Full Product Name	Lamp Current (Nom)	Power Consumption
89066500	MASTER TL5 HO 90 De Luxe 54W/952 1SL/20	0.455 A	54.6 W
86983800	MASTER TL5 HO 90 De Luxe 54W/965 1SL/20	0.455 A	54.6 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
86972200	MASTER TL5 HO 90 De Luxe 49W/965 1SL/20	50 kWh
26130400	MASTER TL5 HO 90 De Luxe 24W/965 1SL/20	23 kWh
86905000	MASTER TL5 HO 90 De Luxe 54W/940 1SL/20	59 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
89066500	MASTER TL5 HO 90 De Luxe 54W/952 1SL/20	55 kWh
86983800	MASTER TL5 HO 90 De Luxe 54W/965 1SL/20	55 kWh

