



Product Description

MASTER TL5 High Output

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

Benefits

- Allows system miniaturisation and maximum luminaire design freedom
- Lamp lengths enable easy fitting into ceiling module systems
- Optimised for installations which need high luminous flux
- Virtually constant lumen level with excellent lumen maintenance
- Good colour rendering

Features

- 40% thinner than TL-D lamps
- Designed for high light output and system miniaturisation
- Highly efficient 3-band fluorescent coating in combination with precoating
- Specifically designed for operation with electronic gear and well suited for dimming
- Maximum light output reached at approx. 35 °C in free-burning position if an electronic ballast without additional electrode heating is used
- Can be ignited from -15 to +50 °C

Application

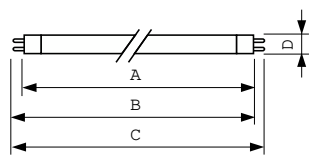
- The combination of a compact lamp and high lumen package of the MASTER TL5 HO offers exciting opportunities for architectural lighting and customised solutions
- Offers economic solutions with high-ceiling lighting in shops, industry and department stores
- The high luminous flux gives optimal results in aesthetic pendants and furniture-mounted luminaires in offices, workshops, restaurants and reception areas

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 TL5 HO 49W/830 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HO 49W/840 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HO 54W/840 SLV/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HO 54W/865 SLV/40	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	Chromaticity	Correlated Colour		Colour	Luminous efficacy	
		Coordinate X (Nom)	Coordinate Y (Nom)	Colour designation	Temperature	rendering index (CRI)	(rated) (nom.)	Luminous Flux
63954755	MASTER TL5 HO 49W/830 1SL/40	0.44	0.403	Warm White (WW)	3000 K	82	89 lm/W	4,375 lm
63956155	MASTER TL5 HO 49W/840 1SL/40	0.38	0.38	Cool White (CW)	4000 K	80	89 lm/W	4,375 lm
64318655	MASTER TL5 HO 54W/840 1SL/40	0.38	0.38	Cool White (CW)	4000 K	80	83 lm/W	4,500 lm
64391955	MASTER TL5 HO 54W/865 1SL/40	0.313	0.337	Cool Daylight	6500 K	82	78 lm/W	4,200 lm

Operating and Electrical

Order Code	Full Product Name	Lamp current	Power Consumption
		(nom.)	
63954755	MASTER TL5 HO 49W/830 1SL/40	0.255 A	49.3 W
63956155	MASTER TL5 HO 49W/840 1SL/40	0.255 A	49.3 W

Order Code	Full Product Name	Lamp current	Power Consumption
		(nom.)	
64318655	MASTER TL5 HO 54W/840 1SL/40	0.455 A	54.4 W
64391955	MASTER TL5 HO 54W/865 1SL/40	0.455 A	54.4 W

Approval and Application

Order Code	Full Product Name	Energy consumption kWh/1,000 hours
63954755	MASTER TL5 HO 49W/830 1SL/40	50 kWh
63956155	MASTER TL5 HO 49W/840 1SL/40	50 kWh

Order Code	Full Product Name	Energy consumption kWh/1,000 hours
64318655	MASTER TL5 HO 54W/840 1SL/40	55 kWh
64391955	MASTER TL5 HO 54W/865 1SL/40	55 kWh

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