PHILIPS

MASTER TL5 High Output

TL5HO8



The world's brightest fluorescent lighting

This TL5 lamp (tube diameter 16 mm) offers high light output. The TL5 HO lamp is optimized for installations requiring high light output and offers excellent lumen maintenance and color rendering. Application areas vary from offices and industry to schools and retail environments.

Benefits

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

Applications

- The combination of a compact lamp and high lumen package of the MASTER TL5 HO offers exciting opportunities for architectural lighting and customized 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

Features

- 40% thinner than TL-D lamps
- Designed for high llight output and system miniaturization
- Highly efficient 3-band fluorescent coating in combination with precoating

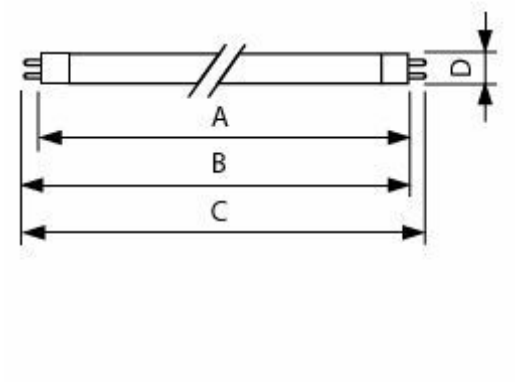
- Specifically designed for operation with electronic gear and well-suited for dimming
- Maximum light output reached at approximately 35 °C in free-burning position if an electronic driver with cut-off feature is used
- Can be ignited from -15 to +50 °C
- A lamp breaking is extremely unlikely to have 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.

Versions



LPPR TL5-HO8

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO 24W/840 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HO 39W/840 SLV/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
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 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/840 UNP/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
MASTER TL5 HO 80W/840 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HO 80W/865 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 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	Luminous Flux	Color Designation	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Color rendering index (CRI)
927927583055	MASTER TL5 HO 49W/830 SLV/40	4,375 lm	Warm White (WW)	0.44	0.403	3000 K	89 lm/W	82
927928084055	MASTER TL5 HO 24W/840 SLV/40	1,700 lm	Cool White (CW)	0.38	0.38	4000 K	76 lm/W	82
927928584055	MASTER TL5 HO 39W/840 SLV/40	3,100 lm	Cool White (CW)	0.38	0.38	4000 K	82 lm/W	82
927929084018	MASTER TL5 HO 54W/840 UNP/40	4,500 lm	Cool White (CW)	0.38	0.38	4000 K	83 lm/W	80
927929084055	MASTER TL5 HO 54W/840 SLV/40	4,500 lm	Cool White (CW)	0.38	0.38	4000 K	83 lm/W	80
927929086555	MASTER TL5 HO 54W/865 SLV/40	4,200 lm	Cool Daylight	0.313	0.337	6500 K	78 lm/W	82
927929584057	MASTER TL5 HO 80W/840 SLV/40	6,550 lm	Cool White (CW)	0.38	0.38	4000 K	82 lm/W	81
927929586557	MASTER TL5 HO 80W/865 SLV/40	6,300 lm	Cool Daylight	0.313	0.337	6500 K	79 lm/W	82

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Lamp Current (Nom)
927927583055	MASTER TL5 HO 49W/830 SLV/40	49.3 W	0.255 A
927928084055	MASTER TL5 HO 24W/840 SLV/40	22.7 W	0.295 A
927928584055	MASTER TL5 HO 39W/840 SLV/40	38.0 W	0.325 A
927929084018	MASTER TL5 HO 54W/840 UNP/40	54.4 W	0.455 A
927929084055	MASTER TL5 HO 54W/840 SLV/40	54.4 W	0.455 A
927929086555	MASTER TL5 HO 54W/865 SLV/40	54.4 W	0.455 A
927929584057	MASTER TL5 HO 80W/840 SLV/40	79.8 W	0.530 A
927929586557	MASTER TL5 HO 80W/865 SLV/40	79.8 W	0.530 A

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927927583055	MASTER TL5 HO 49W/830 SLV/40	50 kWh
927928084055	MASTER TL5 HO 24W/840 SLV/40	23 kWh
927928584055	MASTER TL5 HO 39W/840 SLV/40	38 kWh
927929084018	MASTER TL5 HO 54W/840 UNP/40	55 kWh
927929084055	MASTER TL5 HO 54W/840 SLV/40	55 kWh
927929086555	MASTER TL5 HO 54W/865 SLV/40	55 kWh
927929584057	MASTER TL5 HO 80W/840 SLV/40	80 kWh
927929586557	MASTER TL5 HO 80W/865 SLV/40	80 kWh

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