



Product Description

MASTER TL5 High Output

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

Benefits

- Allow 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 color rendering

Features

- 40% thinner than TL-D lamps
- Designed for high lumen 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 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
- Green end-plate indicates full recyclable lamp technology

Application

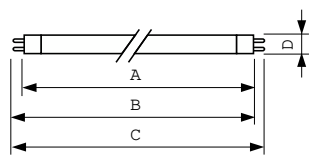
- The combination of a compact lamp and high lumen package of the MASTER TL5 HO offers exciting opportunities for architectural lighting and customised solutions
- Offers economic solutions with high-ceiling lighting in shops, industry and department stores
- The high luminous flux gives optimal results 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.

MASTER TL5 High Output

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO 24W/830 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HO 24W/840 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HO 24W/865 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HO 39W/830 SLV/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 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 39W/865 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 49W/830 UNP/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 49W/840 UNP/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HO 49W/865 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HO 54W/830 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 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
MASTER TL5 HO 80W/830 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HO 80W/840 SLV/20	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 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

MASTER TL5 High Output

Light Technical

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color	Color	Luminous Efficacy (rated) (Nom)	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)		Temperature (Nom)	rendering index (CRI)		
63752955	MASTER TL5 HO 49W/830 UNP/40	0.44	0.403	Warm White (WW)	3000 K	82	89 lm/W	4,375 lm
63954755	MASTER TL5 HO 49W/830 1SL/40	0.44	0.403	Warm White (WW)	3000 K	82	89 lm/W	4,375 lm
63758155	MASTER TL5 HO 49W/840 UNP/40	0.38	0.38	Cool White (CW)	4000 K	80	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
64389655	MASTER TL5 HO 49W/865 1SL/40	0.313	0.337	Cool Daylight	6500 K	82	83 lm/W	4,100 lm
63958555	MASTER TL5 HO 24W/830 1SL/40	0.44	0.403	Warm White (WW)	3000 K	82	76 lm/W	1,700 lm
63960855	MASTER TL5 HO 24W/840 1SL/40	0.38	0.38	Cool White (CW)	4000 K	82	76 lm/W	1,700 lm
64393355	MASTER TL5 HO 24W/865 1SL/40	0.313	0.337	Cool Daylight	6500 K	82	72 lm/W	1,575 lm
63962255	MASTER TL5 HO 39W/830 1SL/40	0.44	0.403	Warm White (WW)	3000 K	82	82 lm/W	3,100 lm
63964655	MASTER TL5 HO 39W/840 1SL/40	0.38	0.38	Cool White (CW)	4000 K	82	82 lm/W	3,100 lm
64387255	MASTER TL5 HO 39W/865 1SL/40	0.313	0.337	Cool Daylight	6500 K	82	76 lm/W	2,875 lm
64316255	MASTER TL5 HO 54W/830 1SL/40	0.44	0.403	Warm White (WW)	3000 K	82	83 lm/W	4,500 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
71040655	MASTER TL5 HO 80W/830 1SL/40	0.44	0.403	Warm White (WW)	3000 K	81	82 lm/W	6,550 lm
71045155	MASTER TL5 HO 80W/840 1SL/40	0.38	0.38	Cool White (CW)	4000 K	81	82 lm/W	6,550 lm
71045105	MASTER TL5 HO 80W/840 1SL/20	-	-	Cool White (CW)	4000 K	82	82 lm/W	7,000 lm
71047555	MASTER TL5 HO 80W/865 1SL/40	0.313	0.337	Cool Daylight	6500 K	82	79 lm/W	6,300 lm

Operating and Electrical

Order Code	Full Product Name	Lamp Current	
		(Nom)	Power Consumption
63752955	MASTER TL5 HO 49W/830 UNP/40	0.255 A	49.3 W
63954755	MASTER TL5 HO 49W/830 1SL/40	0.255 A	49.3 W
63758155	MASTER TL5 HO 49W/840 UNP/40	0.255 A	49.3 W
63956155	MASTER TL5 HO 49W/840 1SL/40	0.255 A	49.3 W
64389655	MASTER TL5 HO 49W/865 1SL/40	0.255 A	49.3 W
63958555	MASTER TL5 HO 24W/830 1SL/40	0.295 A	22.7 W
63960855	MASTER TL5 HO 24W/840 1SL/40	0.295 A	22.7 W
64393355	MASTER TL5 HO 24W/865 1SL/40	0.295 A	22.7 W
63962255	MASTER TL5 HO 39W/830 1SL/40	0.325 A	38.0 W

Order Code	Full Product Name	Lamp Current	
		(Nom)	Power Consumption
63964655	MASTER TL5 HO 39W/840 1SL/40	0.325 A	38.0 W
64387255	MASTER TL5 HO 39W/865 1SL/40	0.325 A	38.0 W
64316255	MASTER TL5 HO 54W/830 1SL/40	0.455 A	54.4 W
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
71040655	MASTER TL5 HO 80W/830 1SL/40	0.530 A	79.8 W
71045155	MASTER TL5 HO 80W/840 1SL/40	0.530 A	79.8 W
71045105	MASTER TL5 HO 80W/840 1SL/20	0.530 A	79.8 W
71047555	MASTER TL5 HO 80W/865 1SL/40	0.530 A	79.8 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
63752955	MASTER TL5 HO 49W/830 UNP/40	50 kWh
63954755	MASTER TL5 HO 49W/830 1SL/40	50 kWh
63758155	MASTER TL5 HO 49W/840 UNP/40	50 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
63956155	MASTER TL5 HO 49W/840 1SL/40	50 kWh
64389655	MASTER TL5 HO 49W/865 1SL/40	50 kWh
63958555	MASTER TL5 HO 24W/830 1SL/40	23 kWh

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Order Code	Full Product Name	Energy Consumption kWh/1000 h
63960855	MASTER TL5 HO 24W/840 1SL/40	23 kWh
64393355	MASTER TL5 HO 24W/865 1SL/40	23 kWh
63962255	MASTER TL5 HO 39W/830 1SL/40	38 kWh
63964655	MASTER TL5 HO 39W/840 1SL/40	38 kWh
64387255	MASTER TL5 HO 39W/865 1SL/40	38 kWh
64316255	MASTER TL5 HO 54W/830 1SL/40	55 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
64318655	MASTER TL5 HO 54W/840 1SL/40	55 kWh
64391955	MASTER TL5 HO 54W/865 1SL/40	55 kWh
71040655	MASTER TL5 HO 80W/830 1SL/40	80 kWh
71045155	MASTER TL5 HO 80W/840 1SL/40	80 kWh
71045105	MASTER TL5 HO 80W/840 1SL/20	88 kWh
71047555	MASTER TL5 HO 80W/865 1SL/40	80 kWh

