



Product Description

MASTER TL5 High Efficiency

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
- Offers higher efficiencies and energy savings compared with TL-D lamps
- Virtually constant lumen level with excellent lumen maintenance
- Good colour rendering

Features

- 40% thinner than TL-D lamps
- High lamp efficacies up to 104 lm/W
- 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

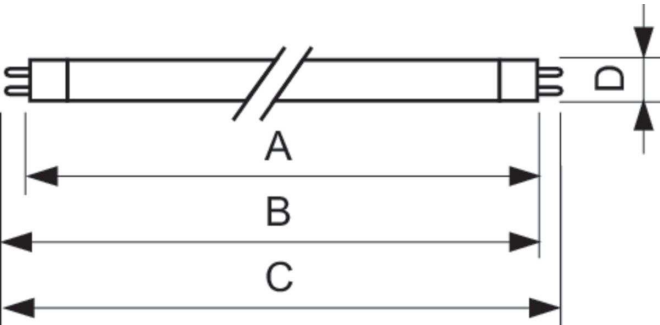
- Ideally suited for recessed, surface-mounted and suspended luminaires in applications like offices, shops, schools, public buildings and industry, wherever high-quality, energy-effective lighting is required

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 Efficiency

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 14W/830 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/840 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 14W/865 SLV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE 21W/830 SLV/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 21W/840 SLV/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 21W/865 SLV/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm
MASTER TL5 HE 28W/830 SLV/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 28W/840 SLV/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 28W/840 UNP/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 28W/865 SLV/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
MASTER TL5 HE 35W/830 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HE 35W/840 SLV/40	17 mm	1,449.0 mm	1,456.1 mm	1,453.7 mm	1,463.2 mm
MASTER TL5 HE 35W/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	Chromaticity	Chromaticity	Correlated Color		Color	Luminous Efficacy	
		Coordinate X (Nom)	Coordinate Y (Nom)	Color Designation	Temperature (Nom)	rendering index (CRI)	(rated) (Nom)	Luminous Flux
927926083055	MASTER TL5 HE 14W/830 SLV/40	0.44	0.403	Warm White (WW)	3000 K	82	86 lm/W	1,200 lm
927926084055	MASTER TL5 HE 14W/840 SLV/40	0.38	0.38	Cool White (CW)	4000 K	80	86 lm/W	1,200 lm

MASTER TL5 High Efficiency

Order Code	Full Product Name	Chromaticity	Chromaticity	Color Designation	Correlated Color	Color	Luminous Efficacy	Luminous Flux
		Coordinate X (Nom)	Coordinate Y (Nom)		Temperature (Nom)	rendering index (CRI)		
927926086555	MASTER TL5 HE 14W/865 SLV/40	0.313	0.337	Cool Daylight	6500 K	82	80 lm/W	1,125 lm
927926283055	MASTER TL5 HE 21W/830 SLV/40	0.44	0.403	Warm White (WW)	3000 K	82	90 lm/W	1,900 lm
927926284055	MASTER TL5 HE 21W/840 SLV/40	0.38	0.38	Cool White (CW)	4000 K	80	90 lm/W	1,900 lm
927926286555	MASTER TL5 HE 21W/865 SLV/40	0.313	0.337	Cool Daylight	6500 K	82	84 lm/W	1,750 lm
927926583055	MASTER TL5 HE 28W/830 SLV/40	0.44	0.403	Warm White (WW)	3000 K	82	96 lm/W	2,675 lm
927926584018	MASTER TL5 HE 28W/840 UNP/40	0.38	0.38	Cool White (CW)	4000 K	80	96 lm/W	2,675 lm
927926584055	MASTER TL5 HE 28W/840 SLV/40	0.38	0.38	Cool White (CW)	4000 K	80	96 lm/W	2,675 lm
927926586555	MASTER TL5 HE 28W/865 SLV/40	0.313	0.337	Cool Daylight	6500 K	82	90 lm/W	2,500 lm
927927083055	MASTER TL5 HE 35W/830 SLV/40	0.44	0.403	Warm White (WW)	3000 K	82	94 lm/W	3,315 lm
927927084055	MASTER TL5 HE 35W/840 SLV/40	0.38	0.38	Cool White (CW)	4000 K	80	94 lm/W	3,315 lm
927927086555	MASTER TL5 HE 35W/865 SLV/40	0.313	0.337	Cool Daylight	6500 K	82	87 lm/W	3,100 lm

Operating and Electrical

Order Code	Full Product Name	Lamp Current	Power Consumption
		(Nom)	
927926083055	MASTER TL5 HE 14W/830 SLV/40	0.165 A	14.0 W
927926084055	MASTER TL5 HE 14W/840 SLV/40	0.165 A	14.0 W
927926086555	MASTER TL5 HE 14W/865 SLV/40	0.165 A	14.0 W
927926283055	MASTER TL5 HE 21W/830 SLV/40	0.165 A	20.8 W
927926284055	MASTER TL5 HE 21W/840 SLV/40	0.165 A	20.8 W
927926286555	MASTER TL5 HE 21W/865 SLV/40	0.165 A	20.8 W
927926583055	MASTER TL5 HE 28W/830 SLV/40	0.170 A	28.1 W

Order Code	Full Product Name	Lamp Current	Power Consumption
		(Nom)	
927926584018	MASTER TL5 HE 28W/840 UNP/40	0.170 A	28.1 W
927926584055	MASTER TL5 HE 28W/840 SLV/40	0.170 A	28.1 W
927926586555	MASTER TL5 HE 28W/865 SLV/40	0.170 A	28.1 W
927927083055	MASTER TL5 HE 35W/830 SLV/40	0.175 A	34.9 W
927927084055	MASTER TL5 HE 35W/840 SLV/40	0.175 A	34.9 W
927927086555	MASTER TL5 HE 35W/865 SLV/40	0.175 A	34.9 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	
927926083055	MASTER TL5 HE 14W/830 SLV/40	14 kWh	
927926084055	MASTER TL5 HE 14W/840 SLV/40	14 kWh	
927926086555	MASTER TL5 HE 14W/865 SLV/40	14 kWh	
927926283055	MASTER TL5 HE 21W/830 SLV/40	21 kWh	

Order Code	Full Product Name	Energy Consumption kWh/1000 h	
927926284055	MASTER TL5 HE 21W/840 SLV/40	21 kWh	
927926286555	MASTER TL5 HE 21W/865 SLV/40	21 kWh	
927926583055	MASTER TL5 HE 28W/830 SLV/40	29 kWh	
927926584018	MASTER TL5 HE 28W/840 UNP/40	29 kWh	

MASTER TL5 High Efficiency

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927926584055	MASTER TL5 HE 28W/840 SLV/40	29 kWh
927926586555	MASTER TL5 HE 28W/865 SLV/40	29 kWh
927927083055	MASTER TL5 HE 35W/830 SLV/40	35 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927927084055	MASTER TL5 HE 35W/840 SLV/40	35 kWh
927927086555	MASTER TL5 HE 35W/865 SLV/40	35 kWh

