



# 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

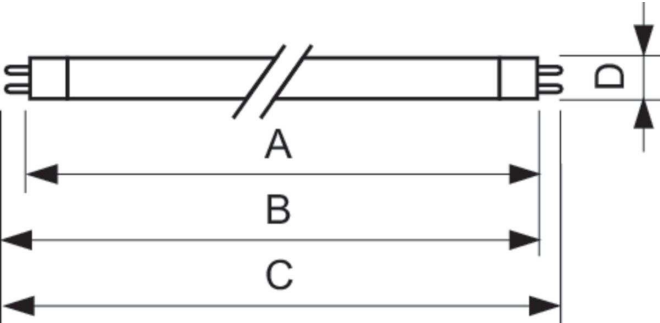
- Ideally suited for recessed, surface-mounted and suspended luminaires in applications like offices, shops, schools, public buildings and industry, wherever high-quality, energy-effective lighting is required

### 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 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/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
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

MASTER TL5 High Efficiency

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)		
927926284055	MASTER TL5 HE 21W/840 SLV/40	0.38	0.38	Cool White (CW)	4000 K	80	90 lm/W	1,900 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
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
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
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
927926284055	MASTER TL5 HE 21W/840 SLV/40	21 kWh
927926583055	MASTER TL5 HE 28W/830 SLV/40	29 kWh

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927926584018	MASTER TL5 HE 28W/840 UNP/40	29 kWh
927926584055	MASTER TL5 HE 28W/840 SLV/40	29 kWh
927926586555	MASTER TL5 HE 28W/865 SLV/40	29 kWh
927927084055	MASTER TL5 HE 35W/840 SLV/40	35 kWh
927927086555	MASTER TL5 HE 35W/865 SLV/40	35 kWh

## MASTER TL5 High Efficiency

