



# Product Description

## MASTER TL-D Eco

Low-pressure mercury discharge lamps with a tubular 26 mm envelope

### Benefits

- Simple lamp-for-lamp replacement for more than 10% energy savings
- Makes lighting installations compliant with latest indoor lighting standards
- Relatively high efficacy, both initially and during lifetime, with high lumen maintenance

### Features

- The only T8 fluorescent lamp that saves more than 10% of energy in existing indoor luminaires
- Can be directly retrofitted into existing fluorescent fittings operating on conventional EM or HF gear in indoor applications
- Uses the latest highly efficient phosphors and special filling gas
- High-quality lighting with good colour rendering (CRI>80)
- Light output comparable to other TL-D Super 80 colours
- Lumen maintenance and lifetime the same as other TL-D Super 80 colours
- Dimmable

### Application

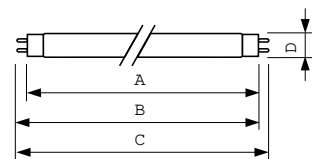
- For use in indoor applications with room temperatures above 20 °C (which implies temperature around the lamp of over 25–35 °C)
- Primary focus on offices, schools and hospitals; secondary focus on retail, industry, supermarkets
- Not recommended under the following conditions: – with air flow around the lamps – in luminaires with active air handling (lamp temperature will not be the required 25–35 °C, but room temperature) – in open luminaires/battens very close to air conditioning outlets or cold air flows – in space above freezers (temperature may easily drop below 20 °C) – in combination with VRUs (voltage reduction units)

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## 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.

## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL-D Eco 16W/840 SLV/25	28 mm	589.8 mm	596.9 mm	594.5 mm	604.0 mm
MASTER TL-D Eco 32W/840 SLV/25	28 mm	1,199.4 mm	1,206.5 mm	1,204.1 mm	1,213.6 mm
MASTER TL-D Eco 51W/840 1SL/25	28 mm	1,500.0 mm	1,507.1 mm	1,504.7 mm	1,514.2 mm

General Information	
Cap base	G13
Light Technical	
Chromaticity Coordinate X (Nom)	0.38
Chromaticity Coordinate Y (Nom)	0.38
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Colour rendering index (CRI)	82
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb shape	T8
Approval and Application	
Mercury (Hg) content (nom.)	1.7 mg

## Light Technical

Order Code	Full Product Name	Luminous efficacy (rated) (nom.)	Luminous Flux
26462640	MASTER TL-D Eco 32W/840 1SL/25	82 lm/W	2,650 lm
26470140	MASTER TL-D Eco 51W/840 1SL/25	89 lm/W	4,150 lm
26861740	MASTER TL-D Eco 16W/840 1SL/25	75 lm/W	1,100 lm

## Operating and Electrical

Order Code	Full Product Name	Lamp current (nom.)	Power Consumption
26462640	MASTER TL-D Eco 32W/840 1SL/25	0.448 A	32.4 W
26470140	MASTER TL-D Eco 51W/840 1SL/25	0.700 A	49.8 W

Order Code	Full Product Name	Lamp current (nom.)	Power Consumption
26861740	MASTER TL-D Eco 16W/840 1SL/25	0.380 A	15.8 W

## Approval and Application

Order Code	Full Product Name	Energy consumption kWh/1,000 hours
26462640	MASTER TL-D Eco 32W/840 1SL/25	33 kWh
26470140	MASTER TL-D Eco 51W/840 1SL/25	50 kWh

Order Code	Full Product Name	Energy consumption kWh/1,000 hours
26861740	MASTER TL-D Eco 16W/840 1SL/25	16 kWh

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