



# The world's most efficient fluorescent lighting

## MASTER TL5 High Efficiency Eco

This extremely efficient TL5 lamp (tube diameter 16 mm) saves considerable energy by simple lamp-for-lamp replacement. The TL5 HE Eco lamp offers excellent lumen maintenance and colour rendering. Application areas vary from offices and industry to schools and retail environments.

### Benefits

- Up to 10 % energy saving with simply changing the lamp
- The same quality of light as compared with MASTER TL5 HE lamps
- All benefits of regular TL5 lamps

### Features

- High lamp efficacies up to 114 lm/W
- Up to 10% power reduction in comparison with standard MASTER TL5 HE lamps
- Fluorescent Super 80 light quality

### Application

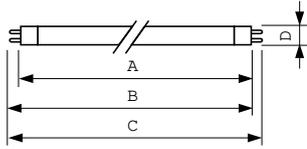
- Ideally suited for recessed, surface-mounted and suspended luminaires e.g. in offices, shops, schools, public buildings and industry (low ceiling), wherever high-quality, energy-efficient lighting is required

### Warnings and Safety

- A reduction in energy consumption is only achieved with current-controlled gear.
- The lamps operate perfectly with power-controlled gear, but in that case the light output can be up to 10% higher.
- 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 Eco

## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE Eco 13=14W/840 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
MASTER TL5 HE Eco 25=28W/840 UNP/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm

General Information	
Cap base	G5
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)	80
Operating and Electrical	
Lamp current (nom.)	0.170 A
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 efficacy (rated) (nom.)	Luminous Flux
88083000	MASTER TL5 HE Eco 13=14W/840 UNP/40	92 lm/W	1,150 lm
82589300	MASTER TL5 HE Eco 25=28W/840 UNP/40	103 lm/W	2,520 lm

## Operating and Electrical

Order Code	Full Product Name	Power Consumption
88083000	MASTER TL5 HE Eco 13=14W/840 UNP/40	12.5 W



# MASTER TL5 High Efficiency Eco

Order Code	Full Product Name	Power Consumption
82589300	MASTER TL5 HE Eco 25=28W/840 UNP/40	25.4 W

## Approval and Application

Order Code	Full Product Name	Energy consumption kWh/ 1,000 hours
88083000	MASTER TL5 HE Eco 13=14W/840 UNP/40	13 kWh

Order Code	Full Product Name	Energy consumption kWh/ 1,000 hours
82589300	MASTER TL5 HE Eco 25=28W/840 UNP/40	26 kWh

