



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 color 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

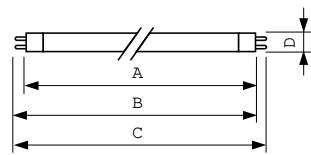
- Ideally suited for recessed, surface-mounted and suspended luminaires e.g. in offices, shops, schools, public buildings and industry (low ceiling), wherever high-quality, energy-efficient lighting is required

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/830 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm
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/830 UNP/40	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 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
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	Chromaticity	Chromaticity	Correlated Color		Color	Luminous Efficacy	
		Coordinate X (Nom)	Coordinate Y (Nom)	Color Designation	Temperature (Nom)	rendering index (CRI)	(rated) (Nom)	Luminous Flux
88081600	MASTER TL5 HE Eco 13=14W/830 UNP/40	0.44	0.403	Warm White (WW)	3000 K	82	92 lm/W	1,150 lm
88083000	MASTER TL5 HE Eco 13=14W/840 UNP/40	0.38	0.38	Cool White (CW)	4000 K	80	92 lm/W	1,150 lm
82588600	MASTER TL5 HE Eco 25=28W/830 UNP/40	0.44	0.403	Warm White (WW)	3000 K	82	103 lm/W	2,520 lm
82589300	MASTER TL5 HE Eco 25=28W/840 UNP/40	0.38	0.38	Cool White (CW)	4000 K	80	103 lm/W	2,520 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
88081600	MASTER TL5 HE Eco 13=14W/830 UNP/40	12.5 W
88083000	MASTER TL5 HE Eco 13=14W/840 UNP/40	12.5 W

Order Code	Full Product Name	Power Consumption
82588600	MASTER TL5 HE Eco 25=28W/830 UNP/40	25.4 W
82589300	MASTER TL5 HE Eco 25=28W/840 UNP/40	25.4 W

Approval and Application

MASTER TL5 High Efficiency Eco

Order Code	Full Product Name	Energy Consumption kWh/
		1000 h
88081600	MASTER TL5 HE Eco 13=14W/830 UNP/40	13 kWh
88083000	MASTER TL5 HE Eco 13=14W/840 UNP/40	13 kWh

Order Code	Full Product Name	Energy Consumption kWh/
		1000 h
82588600	MASTER TL5 HE Eco 25=28W/830 UNP/40	26 kWh
82589300	MASTER TL5 HE Eco 25=28W/840 UNP/40	26 kWh

