PHILIPS Lighting



The world's most efficient and brightest fluorescent lighting

MASTER TL5 High Output Eco

This extremely efficient TL5 lamp (tube diameter 16 mm) saves considerable energy by simple lamp-for-lamp replacement. The TL5 HO Eco lamp is optimized for installations requiring high light output and offers excellent lumen maintenance and color rendering. Application areas vary from offices and industry to schools and retail environments.

Benefits

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

Features

- \cdot High lamp efficacies up to 109 lm/W
- \cdot Up to 10% power reduction in comparison with standard MASTER TL5 HO lamps

Application

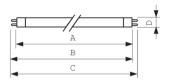
- Offers very economic solutions for high-ceiling lighting in shops, industry and department stores
- The high luminous flux gives optimal results in aesthetic pendants and furnituremounted luminaires in offices, workshops, restaurants and reception areas

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 Output Eco

Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO Eco	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
50=54W/840 UNP/40					
MASTER TL5 HO Eco	17 mm	1,149.0 mm	1,156.1 mm	1,153.7 mm	1,163.2 mm
50=54W/865 UNP/40					

General Information	
Cap-Base	G5
Operating and Electrical	
Lamp Current (Nom)	0.460 A
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	Т5
Approval and Application	
Mercury (Hg) Content (Nom)	1.2 mg

Light Technical

		Chromaticity	Chromaticity					
		Coordinate X	Coordinate Y		Correlated Color	Color rendering	Luminous Efficacy	
Order Code	Full Product Name	(Nom)	(Nom)	Color Designation	Temperature (Nom)	index (CRI)	(rated) (Nom)	Luminous Flux
82591600	MASTER TL5 HO Eco	0.38	0.38	Cool White (CW)	4000 K	80	93 lm/W	4,400 lm
	50=54W/840 UNP/40							
90183200	MASTER TL5 HO Eco	-	-	Cool Daylight	6500 K	85	86 lm/W	4,650 lm
	50=54W/865 UNP/40							

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
82591600	MASTER TL5 HO Eco 50=54W/840 UNP/40	49.3 W	90183200	MASTER TL5 HO Eco 50=54W/865 UNP/40	48 W

Approval and Application

Energy Const	umption kWh/	Energy Consumption kWh/
Order Code Full Product Name 1000 h	Order Code Full Product Name	1000 h
82591600 MASTER TL5 HO Eco 50=54W/840 UNP/40 50 kWh	90183200 MASTER TL5 HO Eco 50=54W/86	65 UNP/40 54 kWh

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