



# 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 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 HO lamps
- All benefits of regular TL5 lamps

### Features

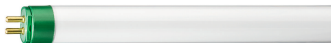
- High lamp efficacies up to 109 lm/W
- Up to 10% power reduction in comparison with standard MASTER TL5 HO lamps

### Application

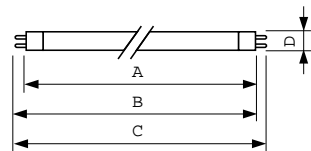
- Offers very economic solutions for high-ceiling lighting in shops, industry and department stores
- The high luminous flux gives optimal results in aesthetic pendants and furniture-mounted luminaires in offices, workshops, restaurants and reception areas

# MASTER TL5 High Output Eco

## Versions



## Dimensional drawing



Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO Eco 50=54W/840 1SL/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
MASTER TL5 HO Eco 20=24W/840 1SL/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

MASTER TL5 High Output Eco

Approval and Application	
Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	1.4 mg
Controls and Dimming	
Dimmable	yes
General Information	
Cap-Base	G5
Life To 50% Failures Preheat (Nom)	30000 h
LSF Preheat 16000 h Rated	99 %
LSF Preheat 20000 h Rated	94 %
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
Light Technical	
Colour Code	840
Colour Designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Colour Rendering Index (Max)	85
Colour Rendering Index (Min)	80
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 2000 h Rated	96 %
LLMF 20000 h Rated	90 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
Mechanical and Housing	
Bulb Shape	T5
Temperature	
Design Temperature (Nom)	35 °C

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
927989984033	MASTER TL5 HO Eco 20=24W/840 1SL/40	22 kWh
927991284033	MASTER TL5 HO Eco 50=54W/840 1SL/40	54 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927989984033	MASTER TL5 HO Eco 20=24W/840 1SL/40	0.300 A	19.5 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
927991284033	MASTER TL5 HO Eco 50=54W/840 1SL/40	0.460 A	48 W

Light Technical (1/2)

Order Code	Full Product Name	Colour Rendering Index (Nom)	Luminous Efficacy (@ Max Lumen, Rated) (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)
927989984033	MASTER TL5 HO Eco	82	99 lm/W	85 lm/W	1950 lm

Order Code	Full Product Name	Colour Rendering Index (Nom)	Luminous Efficacy (@ Max Lumen, Rated) (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)
	20=24W/840 1SL/40				

## MASTER TL5 High Output Eco

Order Code	Full Product Name	Colour Rendering Index (Nom)	Luminous Efficacy (@ Rated) (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)
927991284033	MASTER TL5 HO Eco	85	102 lm/W	93 lm/W	5000 lm

Order Code	Full Product Name	Colour Rendering Index (Nom)	Luminous Efficacy (@ Rated) (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)
	50=54W/840 1SL/40				

### Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
927989984033	MASTER TL5 HO Eco 20=24W/840 1SL/40	1650 lm

Order Code	Full Product Name	Luminous Flux (Rated) (Nom)
927991284033	MASTER TL5 HO Eco 50=54W/840 1SL/40	4450 lm

