

MASTER TL5 High Output Eco

MASTER TL5 HO Eco 45=49W/830 UNP/40

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.

Product data

• General Information

Cap base	G5 [G5]
Bulb shape	T5 [16 mm (T5)]
Life to 50% failures preheat (nom.)	30000 h
Features	na [Not Applicalbe]
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
LSF Preheat 16000 h Rated	99 %
LSF Preheat 20000 h Rated	94 %

• Light Technical

Luminous flux (nom.)	4900 lm
Luminous flux (rated) (nom.)	4100 lm
Colour designation	Warm white (WW)
Luminous efficacy (@ max. lumen, rated) (nom.)	108 lm/W
Chromaticity coordinate X (nom.)	440
Chromaticity coordinate Y (nom.)	403
Correlated colour temperature (nom.)	3000 K
Luminous efficacy (rated) (nom.)	92 lm/W
Color rendering index (max.)	85
Color rendering index (min.)	80
Color rendering index (nom.)	82
LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 20000 h Rated	90 %

• Operating and Electrical

Power (Rated) (Nom)	44.6 W
Lamp current (nom.)	0.260 A

• Temperature

Design temperature (nom.)	35 °C

• Controls and Dimming

Dimmable	yes

• Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	1.4 mg
Energy Consumption kWh/1000 h	50 kWh

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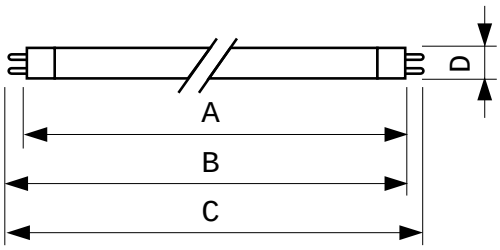
- Product Data

Full product code	872790082594700
Order product name	MASTER TL5 HO Eco 45=49W/830 UNP/40
EAN/UPC – product	8711500880062
Order code	82594700
Local Code	45830TL5ECO
Numerator – quantity per pack	1
Numerator – packs per outer box	40
Material no. (12NC)	927991783031
Net weight (piece)	128.700 g
ILCOS Code	FDH-45/30/1B-L/P-G5-16/1450

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.

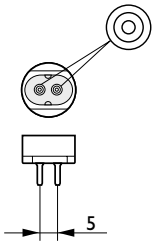
Dimensional drawing



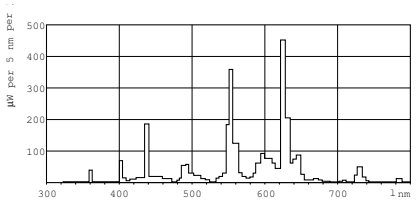
TL5 HO Eco 45=49W/830

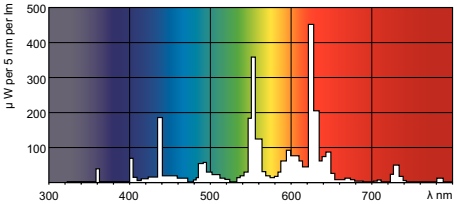
Product	D	A	B	B	C
MASTER TL5 HO Eco 45=49W/830 UNP/40	17 mm	1449.0 mm	1456.1 mm	1453.7 mm	1463.2 mm

G5, T5



Photometric data





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data subject to change