

MASTER TL5 High Efficiency Eco

MASTER TL5 HE Eco 25=28W/840 UNP/40

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.

Product data

• General Information

Cap base	G5 [G5]
Bulb shape	T5 [16 mm (T5)]
Life to 50% failures preheat (nom.)	25000 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.)	2900 lm
Luminous flux (rated) (nom.)	2600 lm
Colour designation	Cool White (CW)
Luminous efficacy (@ max. lumen, rated) (nom.)	114 lm/W
Chromaticity coordinate X (nom.)	380
Chromaticity coordinate Y (nom.)	380
Correlated colour temperature (nom.)	4100 K
Luminous efficacy (rated) (nom.)	103 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)	25.2 W
Lamp current (nom.)	0.170 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	28 kWh

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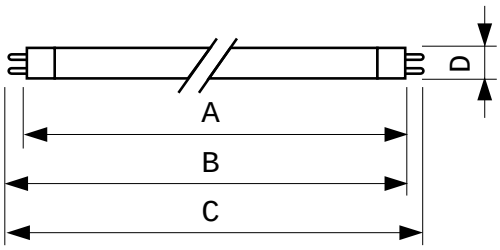
- Product Data

Full product code	872790082589300
Order product name	MASTER TL5 HE Eco 25=28W/840 UNP/40
EAN/UPC – product	8711500880017
Order code	82589300
Local Code	25840TL5ECO
Numerator – quantity per pack	1
Numerator – packs per outer box	40
Material no. (12NC)	927990984031
Net weight (piece)	104.500 g
ILCOS Code	FDH-25/40/1B-L/P-G5-16/1150

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.

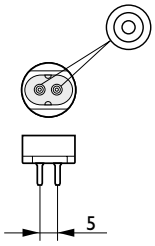
Dimensional drawing



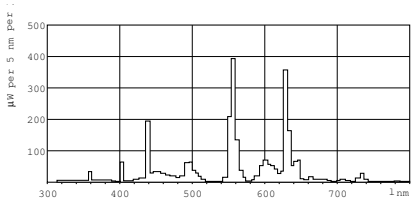
TL5 HE Eco 25=28W/840

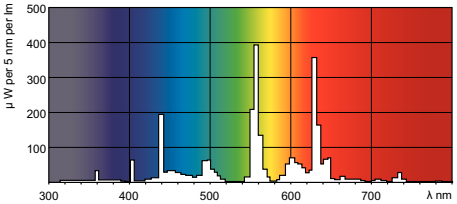
Product	D	A	B	B	C
MASTER TL5 HE Eco 25=28W/840 UNP/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

G5, T5



Photometric data





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data subject to change