



# MASTER TL5 High Efficiency Eco

## MASTER TL5 HE Eco 13=14W/830 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]
Life to 50% failures preheat (nom.)	25000 h
Features	na [ Not Applicable]
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	
Colour code	830 [ CCT of 3,000 K]
Luminous flux (nom.)	1350 lm
Luminous flux (rated) (nom.)	1150 lm
Colour designation	Warm white (WW)
Luminous efficacy (@ max. lumen, rated) (nom.)	108 lm/W
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	88 %

### Operating and Electrical

Power (Rated) (Nom)	12.5 W
Lamp current (nom.)	0.170 A

### Temperature

Design temperature (nom.)	35 °C
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### Controls and Dimming

Dimmable	yes
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## Approval and Application

Energy efficiency label (EEL)	A+
Mercury (Hg) content (nom.)	1.4 mg
Energy Consumption kWh/1000 h	14 kWh

## Product Data

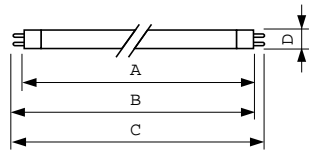
Full product code	872790088081600
Order product name	MASTER TL5 HE Eco 13=14W/830 UNP/40
EAN/UPC – product	8711500881281

Order code	88081600
Local Code	13830TL5ECO
Numerator – quantity per pack	1
Numerator – packs per outer box	40
Material no. (12NC)	927989883031
Net weight (piece)	52.000 g
ILCOS Code	FDH-13/30/1B-L/P-G5-16/550

## 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.

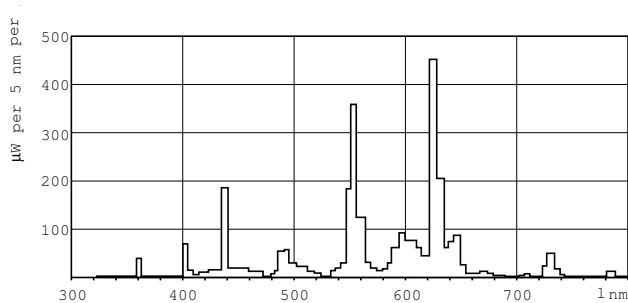
## Dimensional drawing



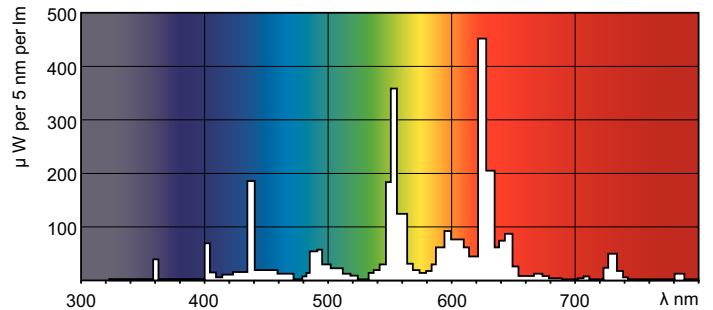
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE Eco 13=14W/830 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

## TL5 HE Eco 13=14W/830

## Photometric data



## Lightcolour /830



## Lightcolour /830

# MASTER TL5 High Efficiency Eco

## Lifetime

