



**PHILIPS**

Lighting



# MASTER TL5 High Efficiency Eco

## MASTER TL5 HE Eco 13=14W/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 color 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 %
Colour Rendering Index horiz (Min)	80
Colour Rendering Index horiz (Nom)	82
Depreciation 2000 hrs	96 %
LLMF 4000 h Rated	95 %
Depreciation 5000 hrs	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)	13 W
Lamp Current (Nom)	0.170 A
Temperature	
Design Temperature (Nom)	35 °C
Controls and Dimming	
Dimmable	Yes
Light Technical	
Colour Code	840 [ CCT of 4000K]
Luminous Flux (Nom)	1350 lm
Luminous Flux (Rated) (Nom)	1150 lm
Colour Designation	Cool White (CW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	108 lm/W
Colour Temperature, horizontal (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	92 lm/W
Colour Rendering Index horiz (Max)	85

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## Approval and Application

Energy Efficiency Label	A+
Mercury (Hg) Content (Nom)	1.4 mg
Energy Consumption kWh/1000 h	14 kWh

## Product Data

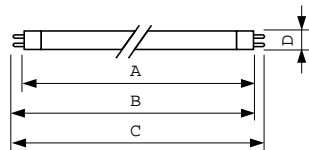
Full product code	872790088083000
Order product name	MASTER TL5 HE Eco 13=14W/840 UNP/40

EAN/UPC - Product	8711500881298
Order code	88083000
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927989884031
Net Weight (Piece)	52.000 g
ILCOS Code	FDH-13/40/1B-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.

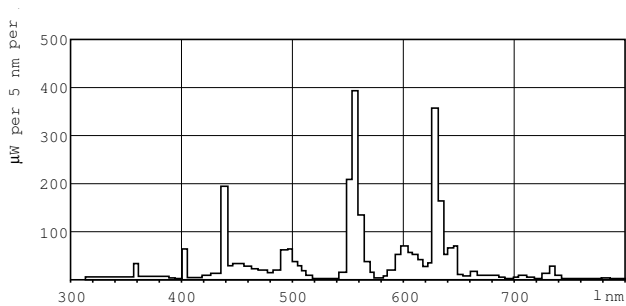
## Dimensional drawing



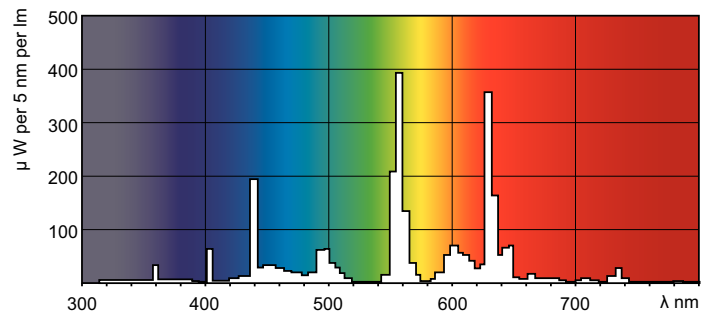
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE Eco 13=14W/840 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

## TL5 HE Eco 13=14W/840

## Photometric data



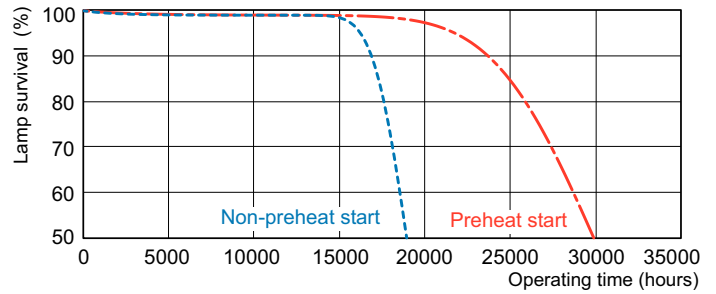
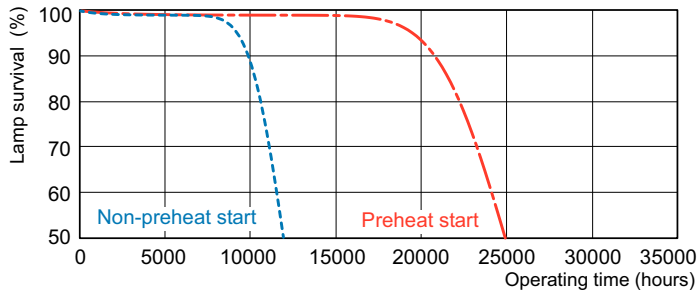
## Lightcolour /840



## Lightcolour /840

# MASTER TL5 High Efficiency Eco

## Lifetime



MASTER TL5 HE Eco Life Expectancy 3 h cycle

MASTER TL5 HE Eco Life Expectancy 12 h cycle



MASTER TL5 HE Eco Lumen Maintenance 3 h + 12 h cycle

