



# 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 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	840 [ CCT of 4,000 K]
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
Correlated Colour Temperature (Nom)	4000 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)	13 W
Lamp current (nom.)	0.170 A

### Temperature

Design temperature (nom.)	35 °C
---------------------------	-------

### Controls and Dimming

Dimmable	yes
----------	-----

# MASTER TL5 High Efficiency Eco

## Approval and Application

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

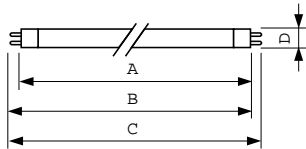
## Product Data

Full product code	872790088083000
Order product name	MASTER TL5 HE Eco 13=14W/840 UNP/40
EAN/UPC – product	8711500881298

Order code	88083000
Local Code	13840TL5ECO
Numerator – quantity per pack	1
Numerator – packs per outer box	40
Material no. (12NC)	927989884031
Net weight (piece)	52.000 g
ILCOS Code	FDH-13/40/1B-L/P-G5-16/550

## Warnings and Safety

## Dimensional drawing

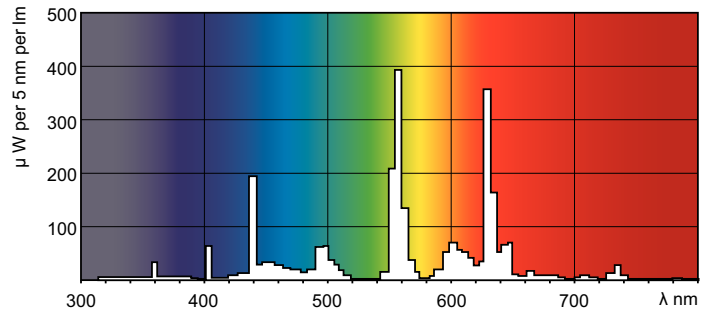
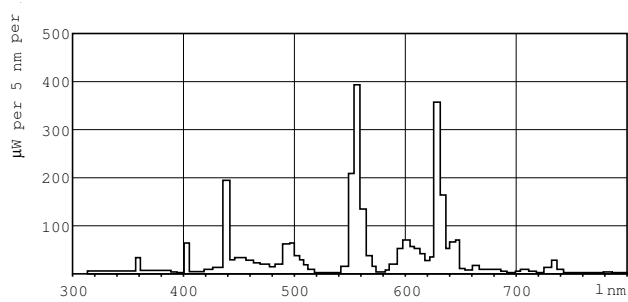


## TL5 HE Eco 13=14W/840

## Product

MASTER TL5 HE Eco 13=14W/840 UNP/40

## Photometric data



## Lightcolour /840

## Lightcolour /840

# MASTER TL5 High Efficiency Eco

## Lifetime



LDLE\_TL5HEECO\_0001-Life expectancy diagram

LDLE\_TL5HEECO\_0002-Life expectancy diagram



LDLM\_TL5HEECO\_0001-Lumen maintenance diagram

