



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.

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.

Product data

General Information	
Cap base	G5 [G5]
Life to 50% failures preheat (nom.)	25000 h
Features	na [Not Applicable]
LSF preheat 2,000 hours rated	99 %
LSF preheat 4,000 hours rated	99 %
LSF preheat 6,000 hours rated	99 %
LSF preheat 8,000 hours rated	99 %
LSF preheat 16,000 hours rated	99 %
LSF preheat 20,000 hours rated	94 %
	Sphere
Light Technical	
Colour Code	840 [CCT of 4,000 K]

Luminous flux (nom.)	1150 lm
Luminous flux (rated) (nom.)	1150 lm
Colour designation	Cool White (CW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	108 lm/W
Chromaticity coordinate X (nom.)	0.38
Chromaticity coordinate Y (nom.)	0.38
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	92 lm/W
Color rendering index (max.)	85
Colour-rendering index (min.)	80
Colour rendering index (nom.)	80
LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	95 %

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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)	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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Mechanical and Housing

Bulb shape	T5 [16 mm (T5)]
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Approval and Application

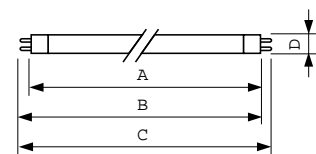
Energy Efficiency Class	F
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Mercury (Hg) content (max.)	1.4 mg
Mercury (Hg) content (nom.)	1.4 mg
Energy consumption kWh/1,000 hours	13 kWh
	423463

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 order code	13840TL5ECO
SAP numerator – quantity per pack	1
Numerator – packs per outer box	40
SAP material	927989884031
SAP net weight (piece)	52.000 g
ILCOS code	FDH-13/40/1B-L/P-G5-16/550

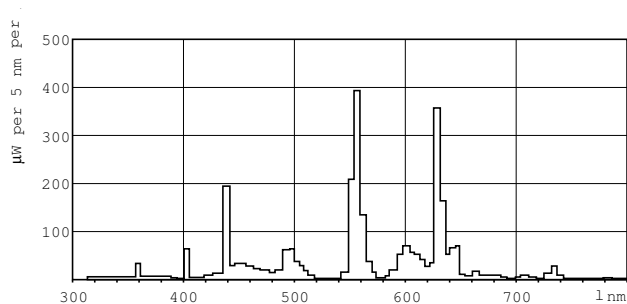
Dimensional drawing



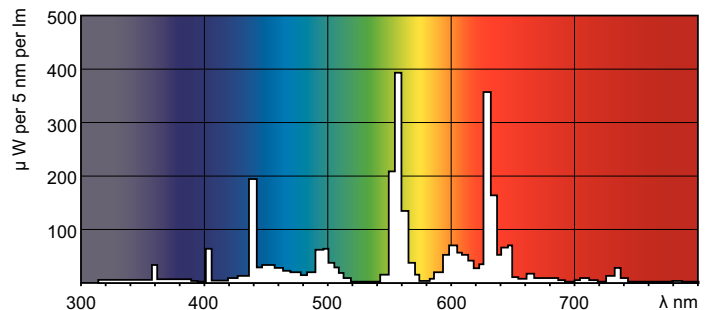
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE Eco 13=14W/840 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

TL5 HE Eco 13=14W/840

Photometric data



Lightcolour /840



Lightcolour /840

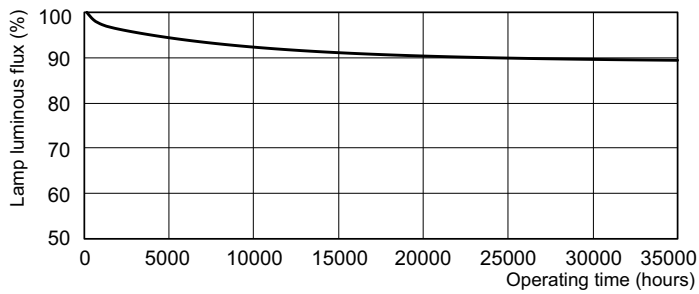
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Lifetime



LDLE_TL5HEECO_0001-Life expectancy diagram

LDLE_TL5HEECO_0002-Life expectancy diagram



LDLM_TL5HEECO_0001-Lumen maintenance diagram

