



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.

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]	Luminous flux (nom.)	1150 lm
Life to 50% failures preheat (nom.)	25000 h	Luminous flux (rated) (nom.)	1150 lm
Features	na [Not Applicable]	Colour designation	Cool White (CW)
LSF preheat 2,000 hours rated	99 %	Luminous Efficacy (@ Max Lumen, Rated) (Nom)	108 lm/W
LSF preheat 4,000 hours rated	99 %	Chromaticity coordinate X (nom.)	0.38
LSF preheat 6,000 hours rated	99 %	Chromaticity coordinate Y (nom.)	0.38
LSF preheat 8,000 hours rated	99 %	Correlated Colour Temperature (Nom)	4000 K
LSF preheat 16,000 hours rated	99 %	Luminous efficacy (rated) (nom.)	92 lm/W
LSF preheat 20,000 hours rated	94 %	Color rendering index (max.)	85
	Sphere	Colour-rendering index (min.)	80
		Colour rendering index (nom.)	80
Light technical		LLMF 2000 h Rated	96 %
Colour Code	841 [CCT of 4100K (841)]	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

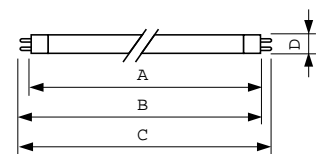
Energy Efficiency Class	F
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Mercury (Hg) content (nom.)	1.2 mg
Energy consumption kWh/1,000 hours	13 kWh
	423463

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
SAP numerator – quantity per pack	1
Local code description	MASTER TL5 HE ECO 13=14W/840 UNP/40
Numerator – packs per outer box	40
SAP material	927989884031
Net Weight (Piece)	52.000 g
ILCOS code	FDH-13/40/1B-L/P-G5-16/550

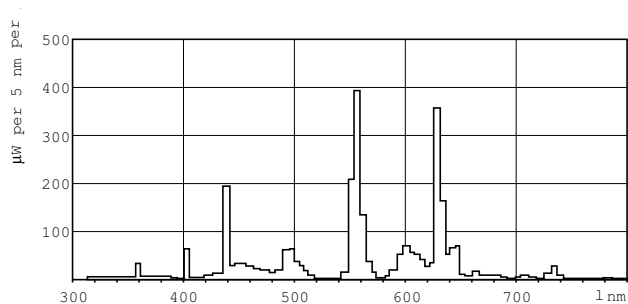
Dimensional drawing



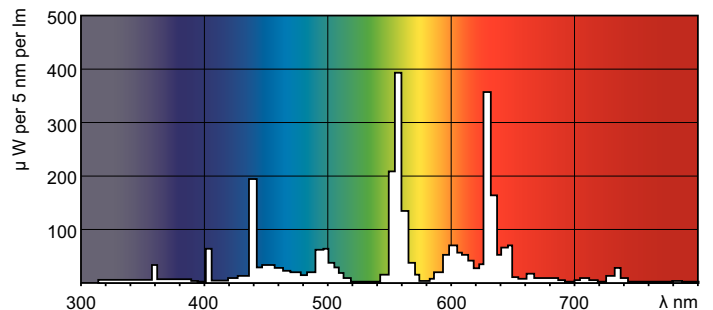
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE Eco 13=14W/840 UNP/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

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

Photometric data



LDPB_TL5HEECO_840-Spectral power distribution B/W



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

