



MASTER TL5 High Output Eco

MASTER TL5 HO Eco 45=49W/840 UNP

This extremely efficient TL5 lamp (tube diameter 16 mm) saves considerable energy by simple lamp-for-lamp replacement. The TL5 HO Eco lamp is optimized for installations requiring high light output and offers excellent lumen maintenance and colour rendering. Application areas vary from offices and industry to schools and retail environments.

Product data

• General Characteristics

Cap-Base	G5
Bulb	T5 [16 mm]
Life to 10% fail	21000 hr
Preheat EL,3h	
Life to 50% fail	30000 hr
Preheat EL,3h	
LSF HF Preheat	99 %
2000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	99 %
16000h Rated,3h	
LSF HF Preheat	94 %
20000h Rated,3h	

Lum Efficacy Rated	106 Lm/W
HF 35°C	
LLMF HF 2000h	96 %
Rated	
LLMF HF 4000h	95 %
Rated	
LLMF HF 6000h	94 %
Rated	
LLMF HF 8000h	93 %
Rated	
LLMF HF 12000h	92 %
Rated	
LLMF HF 16000h	91 %
Rated	
LLMF HF 20000h	90 %
Rated	
Design Temperature	35 C
Chromaticity Coordinate X	380 -
Chromaticity Coordinate Y	380 -

• Light Technical Characteristics

Colour Code	840 [CCT of 4000K]
Colour Rendering Index	85 Ra8
Colour Designation	Cool White
Colour Temperature	4000 K
Luminous Flux EL	4100 Lm
25°C, Rated	
Luminous Flux EL	4100 Lm
25°C, Nominal	
Luminous Flux Lamp EL 35°C	4900 Lm
Lum Efficacy Rated	92 Lm/W
HF 25°C	

• Electrical Characteristics

Lamp Wattage	45 W
Lamp Wattage EL	44.6 W
25°C, Rated	
Lamp Wattage EL	44.6 W
25°C, Nominal	
Lamp Wattage EL	45.3 W
35°C	
Lamp Voltage EL	173 V
25°C	
Lamp Voltage EL	176 V
35°C	
Lamp Current EL	0.260 A
25°C	



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Lamp Current EL 0.260 A
35°C
Dimmable yes

Insertion Length B 1453.7 (min), 1456.1 (max) mm
Overall Length C 1463.2 (max) mm
Diameter D 17 (max) mm

• Environmental Characteristics

Energy Efficiency A+
Label (EEL)
Mercury (Hg) 1.4 mg
Content
Energy consumption 50 kWh
kWh/1000h

• Measuring Conditions

Calibration Current 0.255 A
HF Generator Rated 372 V
Voltage
Resistor 765 ohm

• Product Dimensions

Base Face to Base 1449.0 (max) mm
Face A

• Product Data

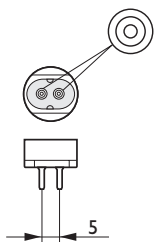
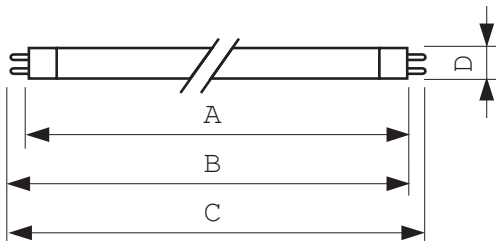
Order code 825954 00
Full product code 872790082595400
Full product name MASTER TL5 HO Eco 45=49W/840 UNP
Order product name MASTER TL5 HO Eco 45=49W/840 UNP/40
Pieces per pack 1
Packing configuration 40
Packs per outerbox 40
Bar code on pack - EAN1 8711500880079
Bar code on outerbox - EAN3 8727900825954
Logistic code(s) - 12NC 927991784031
ILCOS code FDH-45/40/1B-L/P-G5-16/1450
Net weight per piece 128.700 gr

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.

Dimensional drawing

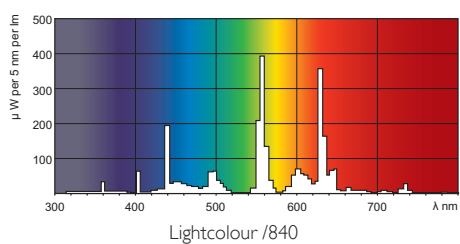
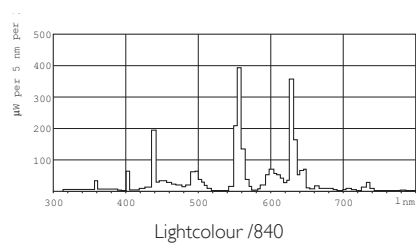


G5

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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO Eco 45=49W/840	1449.0	1453.7	1456.1	1463.2	17

Photometric data



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data subject to change