



# MASTER TL5 High Output Eco

MASTER TL5 HO Eco 45=49W/840 1SL

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 color 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	

### • Light Technical Characteristics

Color Code	840 [CCT of 4000K]
Color Rendering Index	85 Ra8
Color Designation (text)	Cool White
Color Temperature	4000 K
Luminous Flux EL 25°C, Rated	4100 Lm
Luminous Flux EL 25°C, Nominal	4100 Lm
Luminous Flux Lamp EL 35°C	4800 Lm

Lum Efficacy Rated HF 25°C	92 Lm/W
Lum Efficacy Rated HF 35°C	106 Lm/W
LLMF HF 2000h Rated	96 %
LLMF HF 4000h Rated	95 %
LLMF HF 6000h Rated	94 %
LLMF HF 8000h Rated	93 %
LLMF HF 12000h Rated	92 %
LLMF HF 16000h Rated	91 %
LLMF HF 20000h Rated	90 %
Design Temperature	35 C
Chromaticity Coordinate X	380 -
Chromaticity Coordinate Y	380 -

### • Electrical Characteristics

Lamp Wattage	45 W
Lamp Wattage EL 25°C, Rated	44.6 W
Lamp Wattage EL 25°C, Nominal	45.0 W
Lamp Wattage EL 35°C	45.3 W
Lamp Voltage EL 25°C	173 V
Lamp Voltage EL 35°C	176 V



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Lamp Current EL 25°C	0.260 A
Lamp Current EL 35°C	0.260 A
Dimmable	Yes

## • Environmental Characteristics

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

## • Measuring Conditions

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

## • Product Dimensions

Base Face to Base Face A	1449.0 (max) mm
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Insertion Length B	1453.7 (min), 1456.1 (max) mm
Overall Length C	1463.2 (max) mm
Diameter D	17 (max) mm

## • Product Data

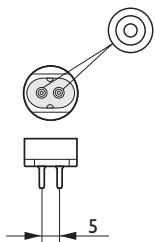
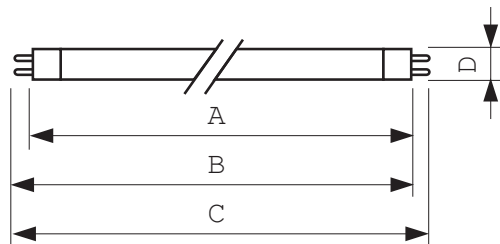
Order code	927991784033
Full product code	927991784033
Full product name	MASTER TL5 HO Eco 45=49W/840 1SL
Order product name	MASTER TL5 HO Eco 45=49W/840 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8727900908404
Bar code on outerbox - EAN3	8718291224808
Logistic code(s) - 12NC	927991784033
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

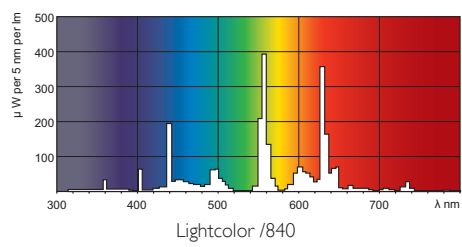
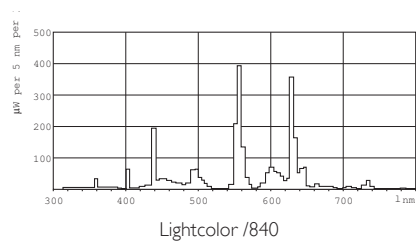


G5

## MASTER TL5 HO Eco 45=49W/840 1SL

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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2014, April 11  
data subject to change