

MASTER TL5 High Efficiency Eco

MASTER TL5 HE Eco 25=28W/830 UNP

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.

Product data

• General Characteristics

Cap-Base	G5
Bulb	T5 [16 mm]
Life to 10% fail	21000 hr
Preheat EL,3h	
Life to 50% fail	25000 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	830 [CCT of 3000K]
Color Rendering Index	80 (min), 82 (nom), 85 (max) Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Luminous Flux EL	2600 Lm
25°C, Rated	
Luminous Flux EL	2600 Lm
25°C, Nominal	
Luminous Flux Lamp	2900 Lm
EL 35°C	

Lum Efficacy Rated	103 Lm/W
HF 25°C	
Lum Efficacy Rated	114 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	440 -
Chromaticity Coordinate Y	403 -

• Electrical Characteristics

Lamp Wattage	25 W
Lamp Wattage EL	25.2 W
25°C, Rated	
Lamp Wattage EL	25.0 W
25°C, Nominal	
Lamp Wattage EL	25.5 W
35°C	
Lamp Voltage EL	149 V
25°C	
Lamp Voltage EL	154 V
35°C	

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Lamp Current EL 25°C	0.170 A
Lamp Current EL 35°C	0.170 A
Dimmable	Yes

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	1.4 mg
Energy consumption kWh/1000h	28 kWh

• Measuring Conditions

Calibration Current	0.170 A
HF Generator Rated Voltage	311 V
Resistor	950 ohm

• Product Dimensions

Base Face to Base Face A	1149.0 (max) mm
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Insertion Length B	1153.7 (min), 1156.1 (max) mm
Overall Length C	1163.2 (max) mm
Diameter D	17 (max) mm

• Product Data

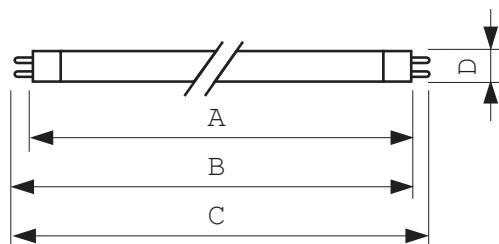
Order code	927990983031
Full product code	927990983031
Full product name	MASTER TL5 HE Eco 25=28W/830 UNP
Order product name	MASTER TL5 HE Eco 25=28W/830 UNP/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500880000
Bar code on outerbox - EAN3	8727900825886
Logistic code(s) - 12NC	927990983031
ILCOS code	FDH-25/30/1B-L/P-G5-16/1150
Net weight per piece	104.500 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.

- 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.

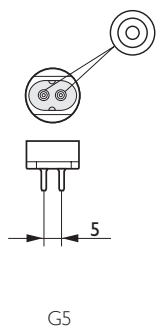
Dimensional drawing



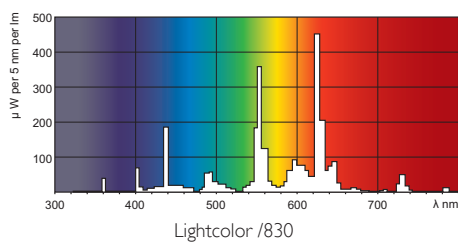
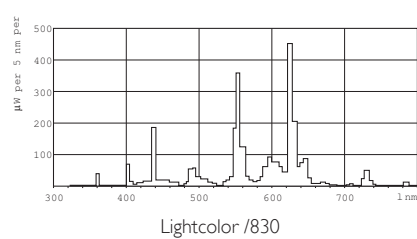
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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HE Eco 25=28W/830	1149.0	1153.7	1156.1	1163.2	17

Dimensional drawing



Photometric data



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