

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	



asimpleswitch.com

PHILIPS

MASTER TL5 High Efficiency Eco

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
--------------------------	-----------------

Insertion Length B	1153.7 (min), 1156.1 (max) mm
Overall Length C	1163.2 (max) mm
Diameter D	17 (max) mm

• Product Data

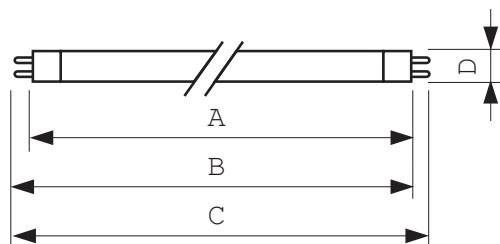
Order code	927990983031
Full product code	927990983031
Full product name	MASTER TL5 HE Eco 25=28W/830 UNP
Order product name	MASTER TL5 HE Eco 25=28W/830 UNP/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500880000
Bar code on outerbox - EAN3	8727900825886
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.

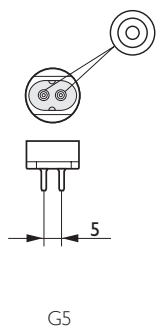
Dimensional drawing



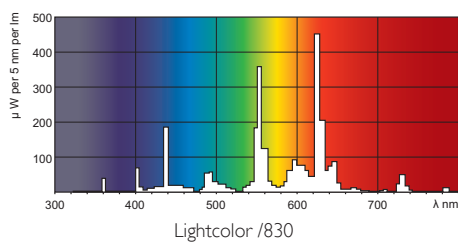
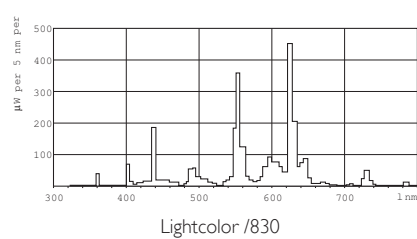
MASTER TL5 HE Eco 25=28W/830 UNP

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



© 2015 Koninklijke Philips N.V. (Royal Philips)
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

www.philips.com/lighting

2015, August 29
data subject to change