



# MASTER TL5 High Efficiency Eco

MASTER TL5 HE Eco 13=14W/830 1SL

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 50% fail	25000 hr
Preheat EL,3h	
Life to 10% fail	21000 hr
Preheat EL,3h	
LSF HF Preheat	94 %
20000h Rated,3h	
LSF HF Preheat	99 %
16000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
2000h Rated,3h	

### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	85 Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Chromaticity Coordinate X	440 -
Chromaticity Coordinate Y	403 -
Luminous Flux Lamp EL 35°C	1350 Lm

Lum Efficacy Rated HF 25°C	91 Lm/W
Lum Efficacy Rated HF 35°C	108 Lm/W
LLMF HF 20000h Rated	88 %
LLMF HF 16000h Rated	91 %
LLMF HF 12000h Rated	92 %
LLMF HF 8000h Rated	93 %
LLMF HF 6000h Rated	94 %
LLMF HF 4000h Rated	95 %
LLMF HF 2000h Rated	96 %
Luminous Flux EL 25°C, Rated	1150 Lm
Luminous Flux EL 25°C, Nominal	1150 Lm
Design Temperature	35 C

### • Electrical Characteristics

Lamp Wattage	13 W
Lamp Voltage EL 25°C	69 V
Lamp Current EL 25°C	0.185 A
Dimmable	Yes
Lamp Wattage EL 35°C	12.5 W
Lamp Current EL 35°C	0.170 A



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# PHILIPS

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# MASTER TL5 High Efficiency Eco

Lamp Voltage EL 35°C	75 V
Lamp Wattage EL 25°C, Rated	12.6 W
Lamp Wattage EL 25°C, Nominal	12 W

## • Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	1.4 mg

## • Measuring Conditions

Calibration Current	0.170 A
HF Generator Rated Voltage	160 V
Resistor	500 ohm

## • Product Dimensions

Base Face to Base Face A	549.0 (max) mm
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Insertion Length B	553.7 (min), 556.1 (max) mm
Overall Length C	563.2 (max) mm
Diameter D	17 (max) mm

## • Product Data

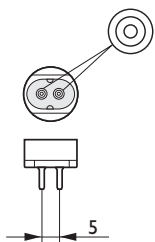
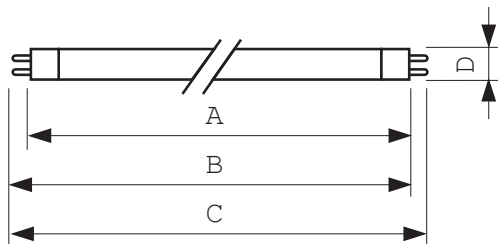
Order code	927989883032
Full product code	927989883032
Full product name	MASTER TL5 HE Eco 13=14W/830 1SL
Order product name	MASTER TL5 HE Eco 13=14W/830 1SL/20
Pieces per pack	1
Packing configuration	20
Packs per outerbox	20
Bar code on pack - EAN1	8727900908008
Bar code on outerbox - EAN3	8727900908015
Logistic code(s) - 12NC	927989883032
ILCOS code	FDH-13/30/1B-L/P-G5-16/550
Net weight per piece	54.000 gr

## Warnings and Safety

- Energy reduction is only achieved with current-controlled gear
- The lamps operate perfectly with power-controlled gear, but in that case give more light output instead of using less energy

- Depending on the technical design of the ballast the increase of light output can be up to 10 % with a fully power-controlled ballast

## Dimensional drawing

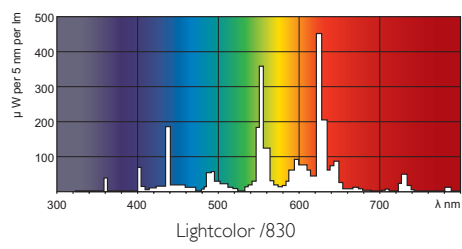
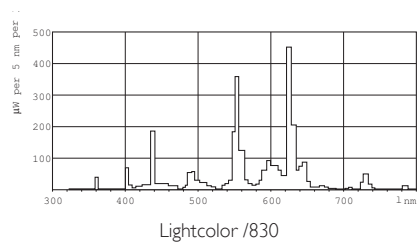


G5

## G5, T5

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HE Eco 13=14W/830	549.0	553.7	556.1	563.2	17

## Photometric data



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data subject to change