



MASTER TL5 High Efficiency Eco

MASTER TL5 HE Eco 25=28W/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	2900 Lm

Lum Efficacy Rated HF 25°C	103 Lm/W
Lum Efficacy Rated HF 35°C	114 Lm/W
LLMF HF 20000h Rated	90 %
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	2600 Lm
Luminous Flux EL 25°C, Nominal	2600 Lm
Design Temperature	35 C

• Electrical Characteristics

Lamp Wattage	25 W
Lamp Voltage EL 25°C	143 V
Lamp Current EL 25°C	0.180 A
Dimmable	Yes
Lamp Wattage EL 35°C	25.5 W
Lamp Current EL 35°C	0.170 A



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MASTER TL5 High Efficiency Eco

Lamp Voltage EL 35°C	154 V
Lamp Wattage EL 25°C, Rated	25.3 W
Lamp Wattage EL 25°C, Nominal	25 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	312 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

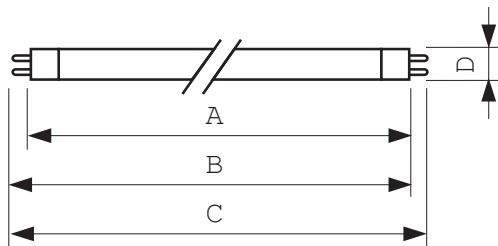
Order code	927990983032
Full product code	927990983032
Full product name	MASTER TL5 HE Eco 25=28W/830 1SL
Order product name	MASTER TL5 HE Eco 25=28W/830 1SL/20
Pieces per pack	1
Packing configuration	20
Packs per outerbox	20
Bar code on pack - EAN1	8727900908183
Bar code on outerbox - EAN3	8727900908190
Logistic code(s) - 12NC	927990983032
ILCOS code	FDH-25/30/1B-L/P-G5-16/1150
Net weight per piece	104.500 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

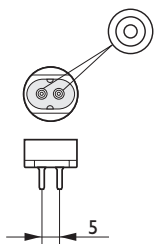
- Depending on the technical design of the ballast the increase of light output can be up to 10 % with a fully power-controlled ballast

Dimensional drawing



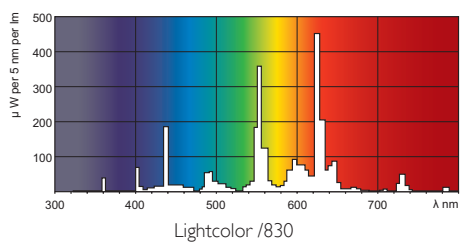
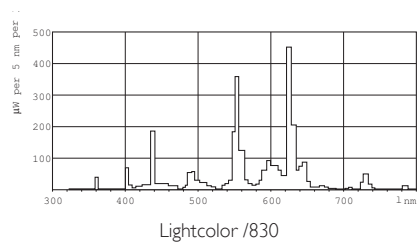
G5, T5

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



G5

Photometric data



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data subject to change