



MASTER TL5 High Output Eco

MASTER TL5 HO Eco 50=54W/830 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 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	5000 Lm

Lum Efficacy Rated HF 25°C	92 Lm/W
Lum Efficacy Rated HF 35°C	102 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	4450 Lm
Luminous Flux EL 25°C, Nominal	4450 Lm
Design Temperature	35 C

• Electrical Characteristics

Lamp Wattage	50 W
Lamp Voltage EL 25°C	101 V
Lamp Current EL 25°C	0.485 A
Dimmable	Yes
Lamp Wattage EL 35°C	48.9 W
Lamp Current EL 35°C	0.460 A



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MASTER TL5 High Output Eco

Lamp Voltage EL 35°C	107 V
Lamp Wattage EL 25°C, Rated	48.9 W
Lamp Wattage EL 25°C, Nominal	50 W

• Environmental Characteristics

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

• Measuring Conditions

Calibration Current	0.460 A
HF Generator Rated Voltage	224 V
Resistor	255 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

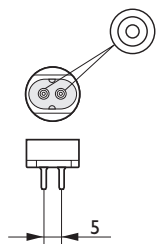
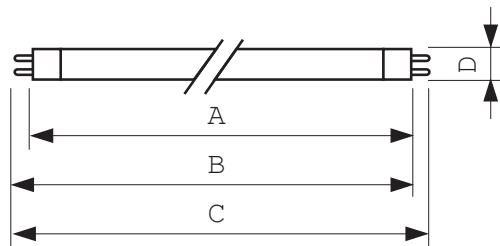
Order code	927991283032
Full product code	927991283032
Full product name	MASTER TL5 HO Eco 50=54W/830 1SL
Order product name	MASTER TL5 HO Eco 50=54W/830 1SL/20
Pieces per pack	1
Packing configuration	20
Packs per outerbox	20
Bar code on pack - EAN1	8727900908329
Bar code on outerbox - EAN3	8727900908336
Logistic code(s) - 12NC	927991283032
ILCOS code	FDH-50/30/1B-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

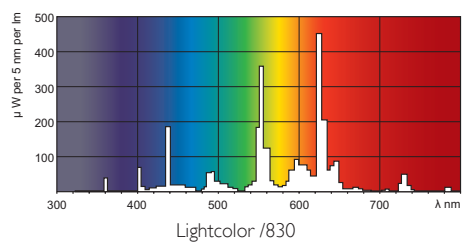
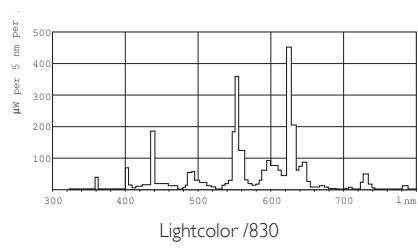


G5

G5, T5

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO Eco 50=54W/830	1149.0	1153.7	1156.1	1163.2	17

Photometric data



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data subject to change