



MASTER TL5 High Efficiency Eco

MASTER TL5 HE Eco 19=21W/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 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), 85 (nom), 85 (max) Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Luminous Flux EL 25°C, Rated	1800 Lm
Luminous Flux EL 25°C, Nominal	1800 Lm
Luminous Flux Lamp EL 35°C	2100 Lm

Lum Efficacy Rated HF 25°C	96 Lm/W
Lum Efficacy Rated HF 35°C	112 Lm/W
LLMF HF 2000h Rated	96 %
LLMF HF 4000h Rated	95 %
LLMF HF 6000h Rated	94 %
LLMF HF 8000h Rated	93 %
LLMF HF 12000h Rated	92 %
LLMF HF 16000h Rated	91 %
LLMF HF 20000h Rated	90 %
Design Temperature	35 C
Chromaticity Coordinate X	440 -
Chromaticity Coordinate Y	403 -

• Electrical Characteristics

Lamp Wattage	19 W
Lamp Wattage EL 25°C, Rated	18.7 W
Lamp Wattage EL 25°C, Nominal	19.0 W
Lamp Wattage EL 35°C	18.7 W
Lamp Voltage EL 25°C	111 V
Lamp Voltage EL 35°C	111 V



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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	21 kWh

• Measuring Conditions

Calibration Current	0.170 A
HF Generator Rated Voltage	234 V
Resistor	725 ohm

• Product Dimensions

Base Face to Base Face A	849.0 (max) mm
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Insertion Length B	853.7 (min), 856.1 (max) mm
Overall Length C	863.2 (max) mm
Diameter D	17 (max) mm

• Product Data

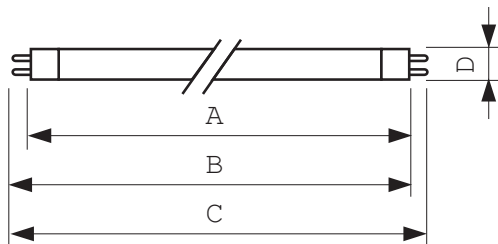
Order code	927992483033
Full product code	927992483033
Full product name	MASTER TL5 HE Eco 19=21W/830 1SL
Order product name	MASTER TL5 HE Eco 19=21W/830 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8727900918120
Bar code on outerbox - EAN3	8718291224877
Logistic code(s) - 12NC	927992483033
ILCOS code	FDH-19/30/1B-L/P-G5-16/850
Net weight per piece	80.500 gr

Warnings and Safety

- A reduction in energy consumption is only achieved with current-controlled gear.

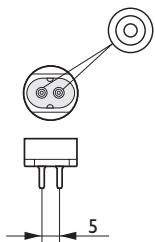
- The lamps operate perfectly with power-controlled gear, but in that case the light output can be up to 10% higher.

Dimensional drawing



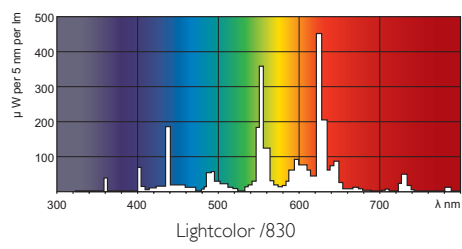
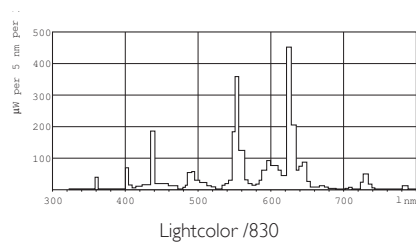
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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HE Eco 19=21W/830	849.0	853.7	856.1	863.2	17



G5

Photometric data



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data subject to change