



# MASTER TL5 High Output Eco

MASTER TL5 HO Eco 20=24W/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 10% fail	21000 hr
Preheat EL,3h	
Life to 50% fail	30000 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	

Lum Efficacy Rated	85 Lm/W
HF 25°C	
Lum Efficacy Rated	99 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 -

### • Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	85 Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Luminous Flux EL 25°C, Rated	1650 Lm
Luminous Flux EL 25°C, Nominal	1650 Lm
Luminous Flux Lamp EL 35°C	1950 Lm

### • Electrical Characteristics

Lamp Wattage	20 W
Lamp Wattage EL 25°C, Rated	19.5 W
Lamp Wattage EL 25°C, Nominal	20.0 W
Lamp Wattage EL 35°C	19.6 W
Lamp Voltage EL 25°C	65 V
Lamp Voltage EL 35°C	66 V



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Lamp Current EL 25°C	0.300 A
Lamp Current EL 35°C	0.300 A
Dimmable	Yes

## • Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	1.4 mg
Energy consumption kWh/1000h	22 kWh

## • Measuring Conditions

Calibration Current	0.300 A
HF Generator Rated Voltage	140 V
Resistor	250 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

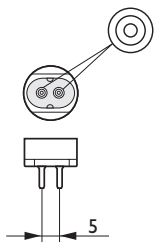
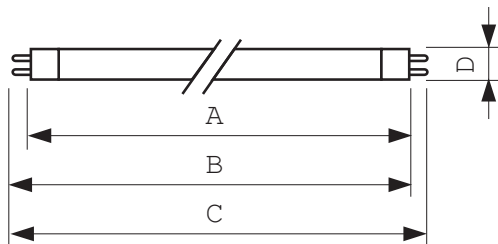
Order code	927989983033
Full product code	927989983033
Full product name	MASTER TL5 HO Eco 20=24W/830 1SL
Order product name	MASTER TL5 HO Eco 20=24W/830 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8727900908107
Bar code on outerbox - EAN3	8718291224679
Logistic code(s) - 12NC	927989983033
ILCOS code	FDH-20/30/1B-L/P-G5-16/550
Net weight per piece	54.000 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

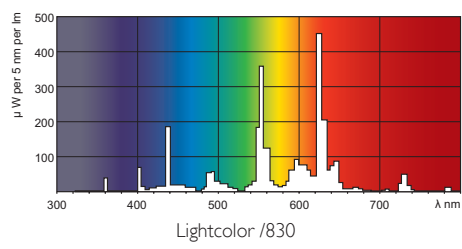
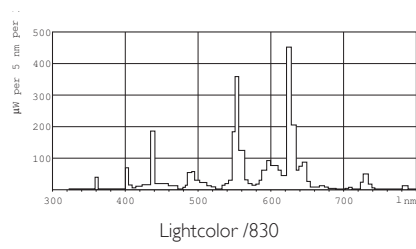


G5

## MASTER TL5 HO Eco 20=24W/830 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO Eco 20=24W/830	549.0	553.7	556.1	563.2	17

## Photometric data



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data subject to change