

MASTER TL5 High Efficiency

MASTER TL5 HE 28W/830 1SL/20

This TL5 lamp (tube diameter 16 mm) has a high luminous efficacy, resulting in low energy consumption. The High Efficiency TL5 lamp offers excellent lumen maintenance and good color rendering. Application areas are offices, industry, public and governmental buildings, schools, hospitals and indoor sports lighting.

Product data

General Information	
Cap-Base	G5 [G5]
Life to 50% Failures Preheat (Nom)	24000 h
Features	na [Not Applicable]
System Description	High Efficiency
LSF Preheat 2000 h Rated	99 %
LSF Preheat 4000 h Rated	99 %
LSF Preheat 6000 h Rated	99 %
LSF Preheat 8000 h Rated	99 %
LSF Preheat 16000 h Rated	97 %
LSF Preheat 20000 h Rated	84 %
Light Technical	
Color Code	830 [CCT of 3000K]
Luminous Flux (Nom)	2900 lm
Luminous Flux (Rated) (Nom)	2675 lm
Color Designation	Warm White (WW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	96 lm/W

Color Rendering Index (Max)	85
Color Rendering Index (Min)	80
Color Rendering Index (Nom)	>80
LLMF 2000 h Rated	96 %
LLMF 4000 h Rated	95 %
LLMF 6000 h Rated	94 %
LLMF 8000 h Rated	93 %
LLMF 12000 h Rated	92 %
LLMF 16000 h Rated	91 %
LLMF 20000 h Rated	90 %

Operating and Electrical

Power (Nom)	27.9 W
Lamp Current (Nom)	0.170 A

Temperature

Design Temperature (Nom)	35 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Cap-Base Information	Green Plate
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Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	1.4 mg
Energy Consumption kWh/1000 h	31 kWh

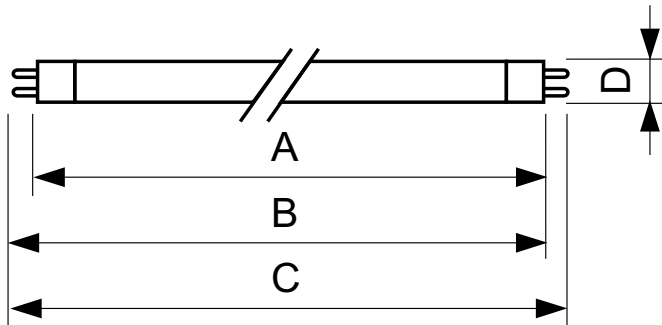
Product Data

Full product code	871150063946205
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Order product name	MASTER TL5 HE 28W/830 1SL/20
EAN/UPC - Product	8711500639462
Order code	927926583061
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	927926583061
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-28/30/1B-L/P-G5-16/1150

Warnings and Safety

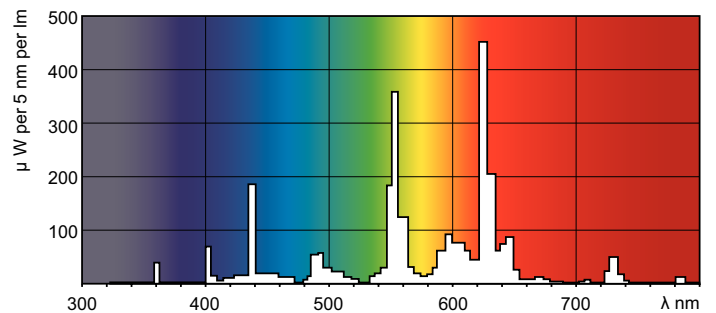
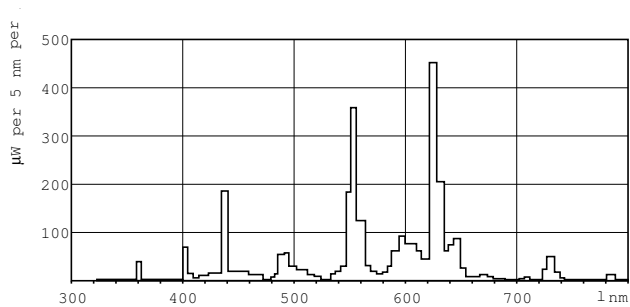
Dimensional drawing



TL5 28W/830/GP HE

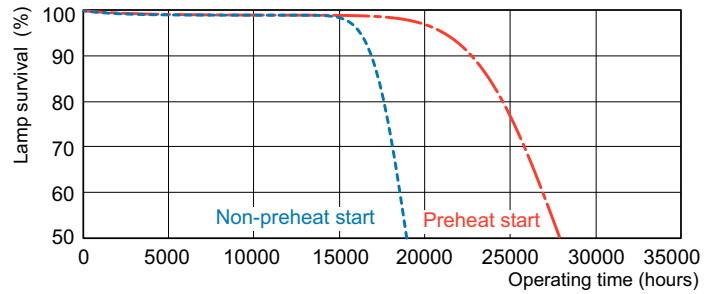
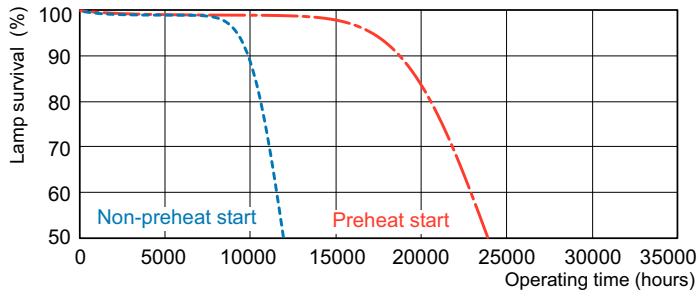
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 28W/830 1SL/20	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

Photometric data



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Lifetime



LDLE_TL5-HE8_0002-Life expectancy diagram

