



MASTER TL5 High Efficiency

MASTER TL5 HE 21W/830 SLV/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 %
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)	20.6 W
Lamp Current (Nom)	0.165 A
Temperature	
Design Temperature (Nom)	35 °C
Light Technical	
Color Code	830 [CCT of 3000K]
Luminous Flux (Nom)	2100 lm
Luminous Flux (Rated) (Nom)	1850 lm
Color Designation	Warm White (WW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	101 lm/W
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	90 lm/W

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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	23 kWh

Product Data

Full product code	871150063942405
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Order product name	MASTER TL5 HE 21W/830 SLV/20
EAN/UPC - Product	8711500639424
Order code	927926283061
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	927926283061
Net Weight (Piece)	79.200 g
ILCOS Code	FDH-21/30/1B-L/P-G5-16/850

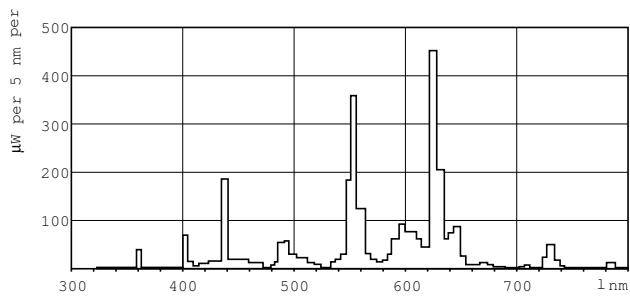
Dimensional drawing



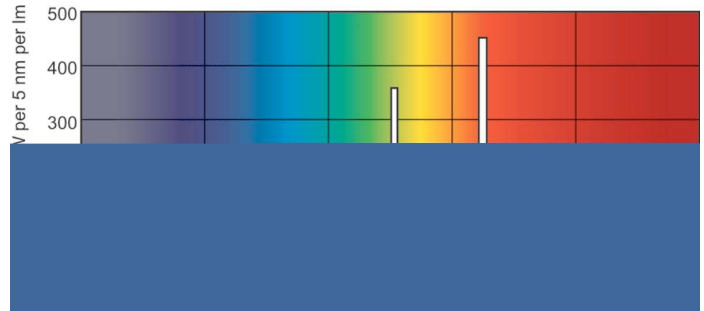
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 21W/830 SLV/20	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm

TL5 21W/830/GP HE

Photometric data



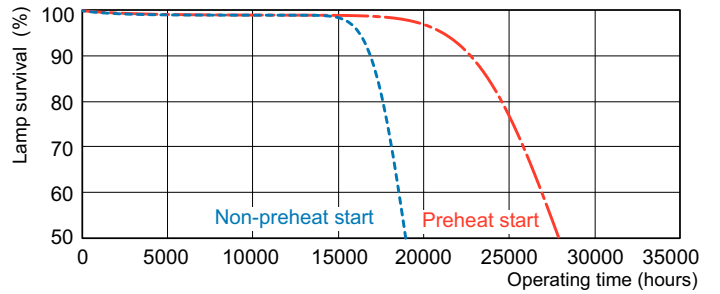
LDPB_TL5-HE8_830-Spectral power distribution B/W



LDPO_TL5-HE8_830-Spectral power distribution Colour

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Lifetime



LDLE_TL5-HE8_0001-Life expectancy diagram

LDLE_TL5-HE8_0002-Life expectancy diagram



LDLM_TL5-HE8_0001-Lumen maintenance diagram

