



MASTER TL5 High Efficiency

MASTER TL5 HE 28W/865 SLV/40

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)	82
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

Light Technical	
Color Code	865 [CCT of 6500K]
Luminous Flux (Nom)	2700 lm
Luminous Flux (Rated) (Nom)	2500 lm
Color Designation	Cool Daylight
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	96 lm/W
Correlated Color Temperature (Nom)	6500 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	31 kWh

Product Data

Full product code	871150071015455
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Order product name	MASTER TL5 HE 28W/865 SLV/40
EAN/UPC - Product	8711500710154
Order code	927926586555
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927926586555
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-28/65/1B-L/P-G5-16/1150

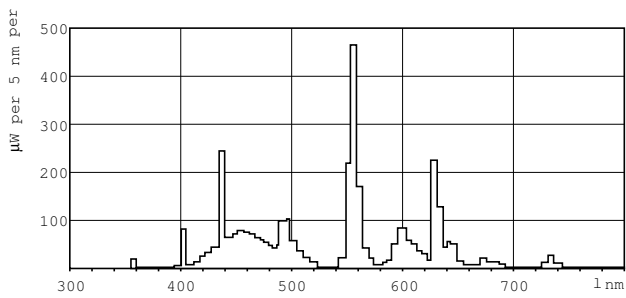
Dimensional drawing



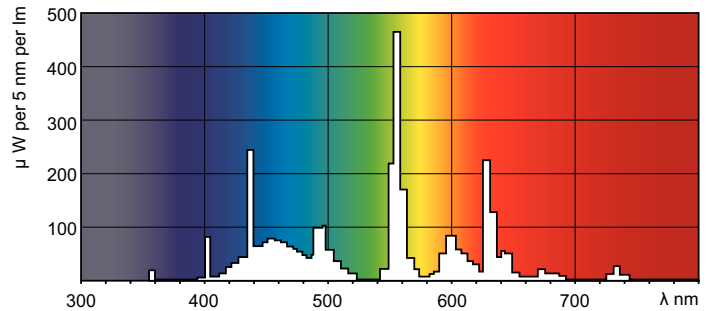
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 28W/865 SLV/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

TL5 28W/865/GP HE

Photometric data



LDPB_TL5-HE8_865-Spectral power distribution B/W



LDPO_TL5-HE8_865-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

