



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 %		
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)	97 lm/W		
Correlated Color Temperature (Nom)	6500 K		
Luminous Efficacy (rated) (Nom)	90 lm/W		

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 ℃		

Datasheet, 2019, December 13 data subject to change

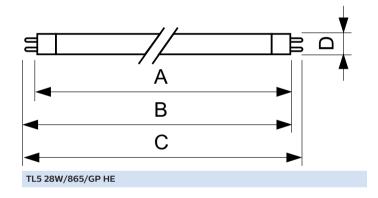
MASTER TL5 High Efficiency

Controls and Dimming				
Dimmable	Yes			
Mechanical and Housing				
Cap-Base Information	Green Plate			
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			

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		

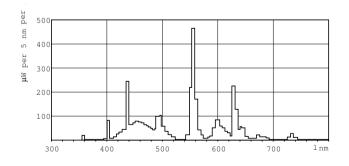
Warnings and Safety

Dimensional drawing

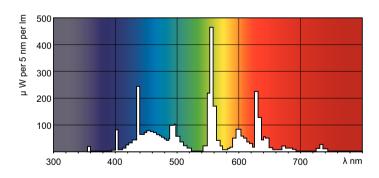


Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
28W/865 SLV/40					

Photometric data



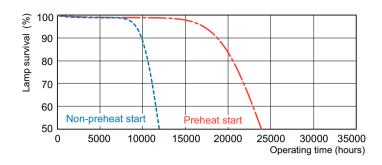


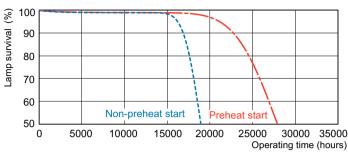


LDPO_TL5-HE8_865-Spectral power distribution Colour

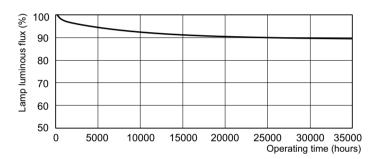
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Lifetime





LDLE_TL5-HE8_0002-Life expectancy diagram





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