PHILIPS Lighting

MASTER TL5 High Efficiency

MASTER TL5 HE 28W/835 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.

Warnings and Safety

• A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

Product data

General Information		Color Designation	White (WH)
Cap-Base	G5 [G5]	Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W
ife to 50% Failures Preheat (Nom)	24000 h	Correlated Color Temperature (Nom)	3500 K
Features	na [Not Applicable]	Luminous Efficacy (rated) (Nom)	96 lm/W
System Description	High Efficiency	Color Rendering Index (Max)	85
SF Preheat 2000 h Rated	99 %	Color Rendering Index (Min)	80
LSF Preheat 4000 h Rated	99 %	Color Rendering Index (Nom)	82
_SF Preheat 6000 h Rated	99 %	LLMF 2000 h Rated	96 %
LSF Preheat 8000 h Rated	99 %	LLMF 4000 h Rated	95 %
_SF Preheat 16000 h Rated	97 %	LLMF 6000 h Rated	94 %
SF Preheat 20000 h Rated	84 %	LLMF 8000 h Rated	93 %
		LLMF 12000 h Rated	92 %
ight Technical		LLMF 16000 h Rated	91 %
Color Code	835 [CCT of 3500K]	LLMF 20000 h Rated	90 %
uminous Flux (Nom)	2900 lm		
Luminous Flux (Rated) (Nom)	2675 lm		

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Operating and Electrical				
Power (Nom)	27.9 W			
Lamp Current (Nom)	0.170 A			
Temperature				
Design Temperature (Nom)	35 °C			
Controls and Dimming				
Dimmable	Yes			
Mechanical and Housing				
Cap-Base Information	Green Plate			
Approval and Application				
Energy Efficiency Label (EEL)	A+			

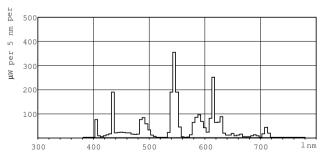
Mercury (Hg) Content (Nom)	1.4 mg			
Energy Consumption kWh/1000 h	31 kWh			
Product Data				
Full product code	871150071004855			
Order product name	MASTER TL5 HE 28W/835 SLV/40			
EAN/UPC - Product	8711500710048			
Order code	927926583555			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	40			
Material Nr. (12NC)	927926583555			
Net Weight (Piece)	105.800 g			
ILCOS Code	FDH-28/35/1B-L/P-G5-16/1150			

Dimensional drawing

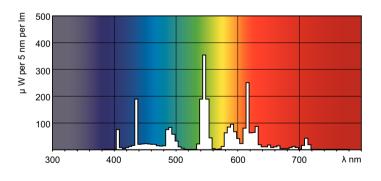
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
28W/835 SLV/40					

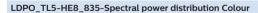
TL5 28W/835/GP HE

Photometric data



LDPB_TL5-HE8_835-Spectral power distribution B/W

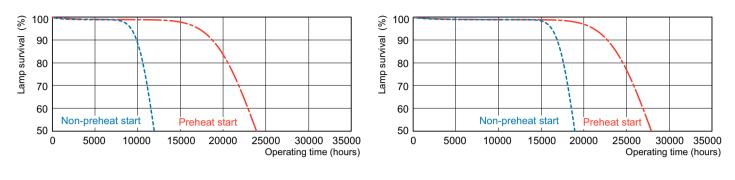




Datasheet, 2020, March 19

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Lifetime





LDLE_TL5-HE8_0002-Life expectancy diagram

LDLM_TL5-HE8_0001-Lumen maintenance diagram

LDLE_TL5-HE8_0001-Life expectancy diagram



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www.lighting.philips.com 2020, March 19 - data subject to change