PHILIPS Lighting

MASTER TL5 High Efficiency

MASTER TL5 HE 28W/840 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	840 [CCT of 4000K]
Luminous Flux (Nom)	2900 lm
Luminous Flux (Rated) (Nom)	2675 lm
Color Designation	Cool White (CW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	96 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 ℃

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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	871150063948655	

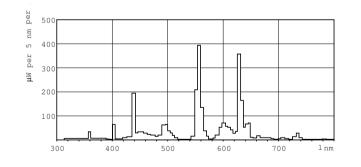
Order product name	MASTER TL5 HE 28W/840 SLV/40
EAN/UPC - Product	8711500639486
Order code	927926584055
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927926584055
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-28/40/1B-L/P-G5-16/1150

Dimensional drawing

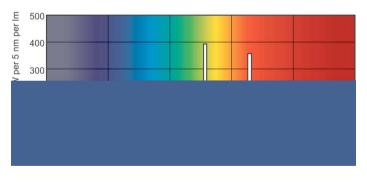
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
28W/840 SLV/40					

TL5 28W/840/GP HE

Photometric data



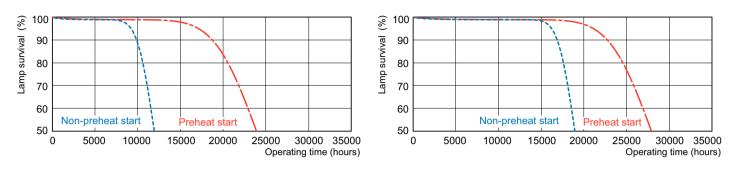
LDPB_TL5-HE8_840-Spectral power distribution B/W





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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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