



MASTER TL5 High Efficiency

MASTER TL5 HE 28W/840 SLV/40

Low-pressure mercury discharge lamps with a tubular 16 mm envelope

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

ocherat information			
Cap base	G5 [G5]		
Life to 50% failures preheat (nom.)	24000 h		
Features	na [Not Applicable]		
System description	High Efficiency		
LSF preheat 2,000 hours rated	99 %		
LSF preheat 4,000 hours rated	99 %		
LSF preheat 6,000 hours rated	99 %		
LSF preheat 8,000 hours rated	99 %		
LSF preheat 16,000 hours rated	97 %		
LSF preheat 20,000 hours rated	84 %		
Light Technical			
Colour Code	840 [CCT of 4,000 K]		
Lamp Luminous Flux 25°C EL (Nom)	2900 lm		
Lamp Luminous Flux (Nom)	2675 lm		
Colour Designation	Cool White (CW)		
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W		
Colour Temperature, horizontal (Nom)	4000 K		

Lamp Luminous Efficacy EM (Nom)	96 lm/W	
Colour Rendering Index,horiz (Max)	85	
Colour Rendering Index,horiz (Min)	80	
Colour Rendering Index,horiz (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 (Rated) (Nom)	27.9 W	
Lamp current (nom.)	0.170 A	
Temperature		
Design temperature (nom.)	35 ℃	

Datasheet, 2020, March 19 data subject to change

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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/1,000 hours	31 kWh		
Product Data			
Full product code	871150063948655		

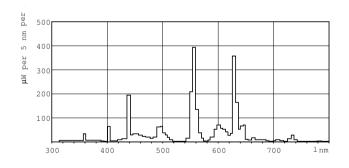
Order product name	MASTER TL5 HE 28W/840 SLV/40
EAN/UPC – product	8711500639486
Order code	927926584055
Local order code	TL528W840HE
SAP numerator – quantity per pack	1
Numerator – packs per outer box	40
Material no. (12 NC)	927926584055
Net Weight (Piece)	105.800 g
ILCOS code	FDH-28/40/1B-L/P-G5-16/1150

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





Lightcolour /840

per 5 nm per lm

500

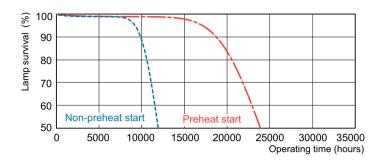
400

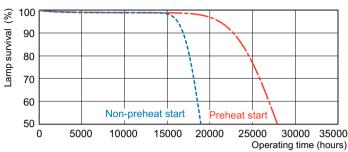
300

Lightcolour /840

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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



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