



# 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)	96 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, 2020, June 8 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		

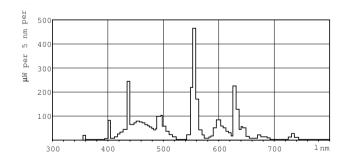
Order product name	MASTER TL5 HE 28W/865 SLV/40
EAN/UPC - Product	8711500710154
Order code	927926586555
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927926586555
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-28/65/1B-L/P-G5-16/1150

## Dimensional drawing

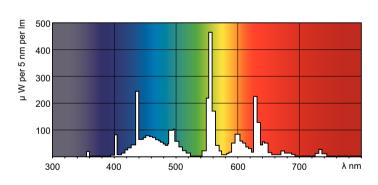
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
28W/865 SLV/40					

### TL5 28W/865/GP HE

#### Photometric data



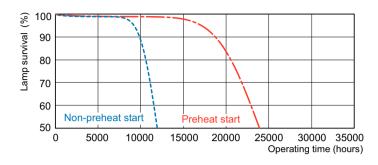
LDPB\_TL5-HE8\_865-Spectral power distribution B/W

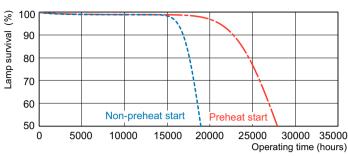


LDPO\_TL5-HE8\_865-Spectral power distribution Colour

### **MASTER TL5 High Efficiency**

#### 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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