# **PHILIPS** Lighting

# MASTER TL5 High Efficiency

# MASTER TL5 HE 28W/827 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.

827 [ CCT of 2700K]

Incandescent White

2900 lm

2675 lm

104 lm/W

2700 K

96 lm/W

#### **Product data**

Light Technical Color Code

Luminous Flux (Nom)

**Color Designation** 

Luminous Flux (Rated) (Nom)

Correlated Color Temperature (Nom)

Luminous Efficacy (rated) (Nom)

Luminous Efficacy (@ Max Lumen, Rated) (Nom)

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 %		

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 ℃

Color Rendering Index (Max) Color Rendering Index (Min)

Color Rendering Index (Nom)

85

80

82

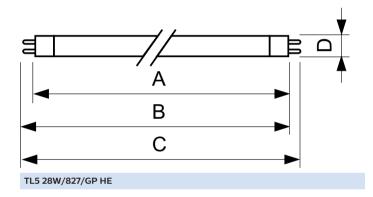
## **MASTER TL5 High Efficiency**

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	871150064322355		

Order product name	MASTER TL5 HE 28W/827 SLV/40
EAN/UPC - Product	8711500643223
Order code	927926582755
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927926582755
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-28/27/1B-L/P-G5-16/1150

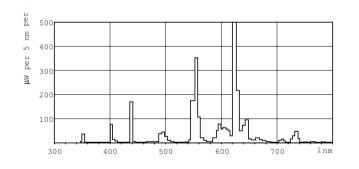
#### Warnings and Safety

#### Dimensional drawing

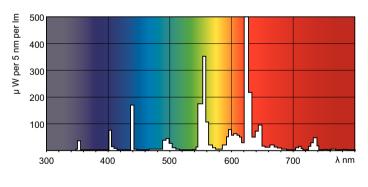


Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm
28W/827 SLV/40					

#### Photometric data



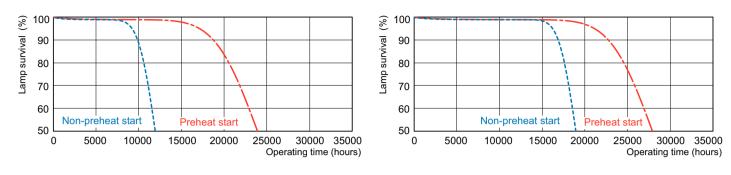
LDPB\_TL5-HE8\_827-Spectral power distribution B/W



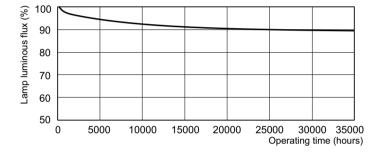


## **MASTER TL5 High Efficiency**

#### Lifetime



LDLE\_TL5-HE8\_0002-Life expectancy diagram





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