



# MASTER TL5 High Efficiency

## MASTER TL5 HE 28W/830 1SL/20

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	830 [ CCT of 3000K]		
Luminous Flux (Nom)	2900 lm		
Luminous Flux (Rated) (Nom)	2675 lm		
Color Designation	Warm White (WW)		
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W		
Correlated Color Temperature (Nom)	3000 K		
Luminous Efficacy (rated) (Nom)	96 lm/W		

Color Rendering Index (Max)	85		
Color Rendering Index (Min)	80		
Color Rendering Index (Nom)	>80		
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 °C		

Datasheet, 2019, December 13 data subject to change

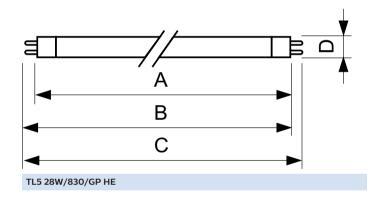
# **MASTER TL5 High Efficiency**

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	871150063946205		

Order product name	MASTER TL5 HE 28W/830 1SL/20
EAN/UPC - Product	8711500639462
Order code	927926583061
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	927926583061
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-28/30/1B-L/P-G5-16/1150

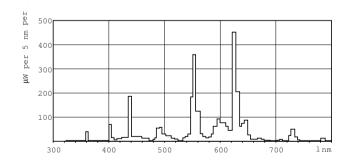
## Warnings and Safety

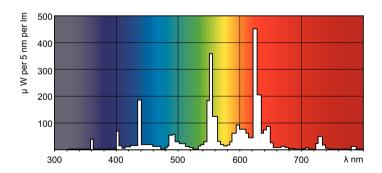
## Dimensional drawing



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/830 1SL/20					

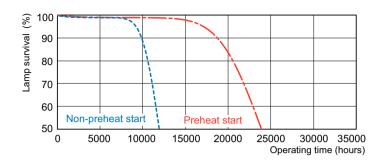
#### Photometric data

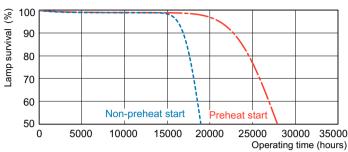




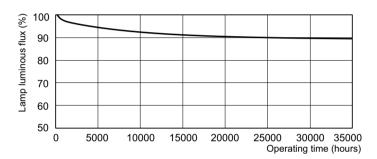
## **MASTER TL5 High Efficiency**

#### Lifetime





LDLE\_TL5-HE8\_0002-Life expectancy diagram





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