



# MASTER TL5 High Efficiency



## MASTER TL5 HE 28W/830 UNP/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.

### 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		Luminous Flux (Rated) (Nom)	
Cap-Base	G5 [ G5]		2675 lm
Life to 50% Failures Preheat (Nom)	24000 h	Color Designation	Warm White (WW)
Features	na [ Not Applicable]	Luminous Efficacy (@ Max Lumen, Rated) (Nom)	104 lm/W
System Description	High Efficiency	Chromaticity Coordinate X (Nom)	0.44
LSF Preheat 2000 h Rated	99 %	Chromaticity Coordinate Y (Nom)	0.403
LSF Preheat 4000 h Rated	99 %	Correlated Color Temperature (Nom)	3000 K
LSF Preheat 6000 h Rated	99 %	Luminous Efficacy (rated) (Nom)	96 lm/W
LSF Preheat 8000 h Rated	99 %	Color Rendering Index (Max)	85
LSF Preheat 16000 h Rated	97 %	Color Rendering Index (Min)	80
LSF Preheat 20000 h Rated	84 %	Color Rendering Index (Nom)	82
Flux measurement reference	Sphere	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 %
Light technical			
Color Code	830 [ CCT of 3000K]		
Luminous Flux (Nom)	2675 lm		

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LLMF 20000 h Rated	90 %
<b>Operating and electrical</b>	
Power (Nom)	28.1 W
Lamp Current (Nom)	0.170 A
<b>Temperature</b>	
Design Temperature (Nom)	35 °C
<b>Controls and dimming</b>	
Dimmable	Yes
<b>Mechanical and housing</b>	
Cap-Base Information	Green Plate
Bulb Shape	T5 [ 16 mm (T5)]
<b>Approval and application</b>	
Energy Efficiency Class	F

Mercury (Hg) Content (Nom)	1.2 mg
Energy Consumption kWh/1000 h	29 kWh
EPREL Registration Number	423458
<b>Product data</b>	
Full product code	871150061081255
Order product name	MASTER TL5 HE 28W/830 UNP/40
EAN/UPC - Product	8711500610812
Order code	927926583018
Numerator - Quantity Per Pack	1
Local code description	3816629
Numerator - Packs per outer box	40
Material Nr. (12NC)	927926583018
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-28/30/1B-L/P-G5-16/1150

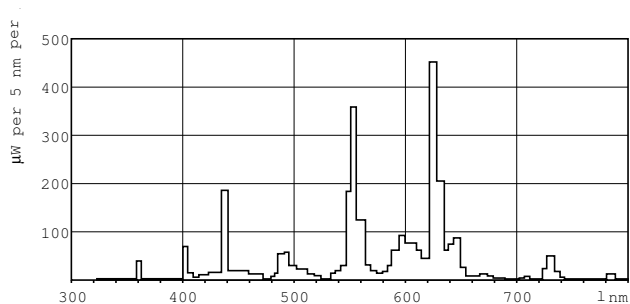
## Dimensional drawing



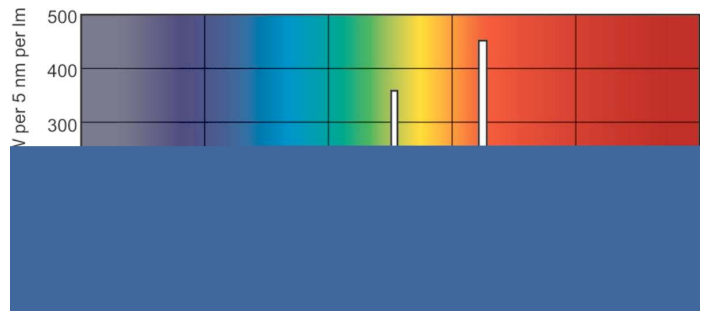
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 28W/830 UNP/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

## MASTER TL5 HE 28W/830 UNP/40

## Photometric data



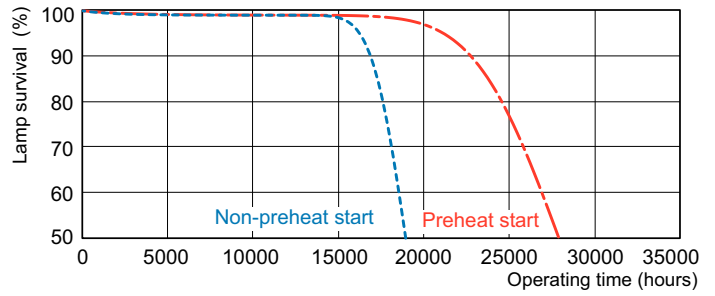
LDPB\_TL5-HE8\_830-Spectral power distribution B/W



LDPO\_TL5-HE8\_830-Spectral power distribution Colour

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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

