



# MASTER TL5 High Efficiency

## MASTER TL5 HE 21W/840 SLV/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.

### 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		Color Designation	
Cap-Base	G5 [ G5]	Color Designation	Cool White (CW)
Life to 50% Failures Preheat (Nom)	24000 h	Luminous Efficacy (@ Max Lumen, Rated) (Nom)	101 lm/W
Features	na [ Not Applicable]	Correlated Color Temperature (Nom)	4000 K
System Description	High Efficiency	Luminous Efficacy (rated) (Nom)	90 lm/W
LSF Preheat 2000 h Rated	99 %	Color Rendering Index (Max)	85
LSF Preheat 4000 h Rated	99 %	Color Rendering Index (Min)	80
LSF Preheat 6000 h Rated	99 %	Color Rendering Index (Nom)	82
LSF Preheat 8000 h Rated	99 %	LLMF 2000 h Rated	96 %
LSF Preheat 16000 h Rated	97 %	LLMF 4000 h Rated	95 %
LSF Preheat 20000 h Rated	84 %	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 %
Light Technical			
Color Code	840 [ CCT of 4000K]		
Luminous Flux (Nom)	2100 lm		
Luminous Flux (Rated) (Nom)	1850 lm		

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Operating and Electrical	
Power (Nom)	20.6 W
Lamp Current (Nom)	0.165 A
Temperature	
Design Temperature (Nom)	35 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Cap-Base Information	Green Plate
Bulb Shape	T5 [ 16 mm (T5)]
Approval and Application	
Mercury (Hg) Content (Nom)	1.4 mg

Energy Consumption kWh/1000 h	23 kWh
Product Data	
Full product code	871150063944805
Order product name	MASTER TL5 HE 21W/840 SLV/20
EAN/UPC - Product	8711500639448
Order code	927926284061
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	927926284061
Net Weight (Piece)	79.200 g
ILCOS Code	FDH-21/40/1B-L/P-G5-16/850

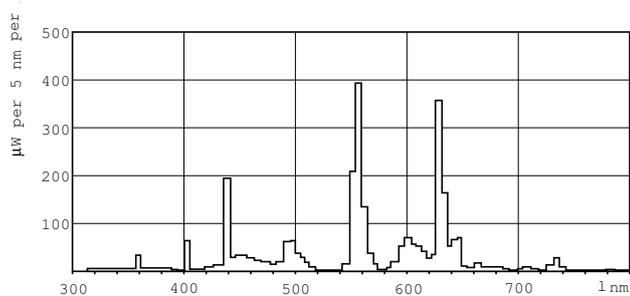
## Dimensional drawing



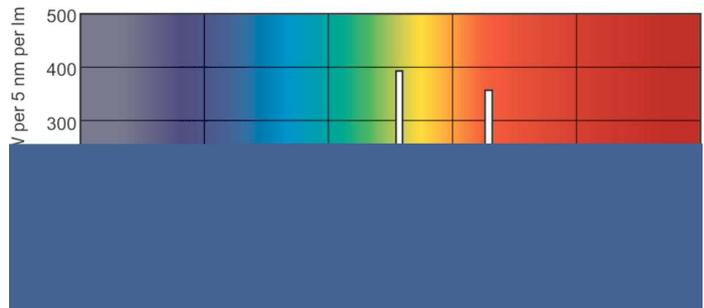
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 21W/840 SLV/20	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm

TL5 21W/840/GP HE

## Photometric data



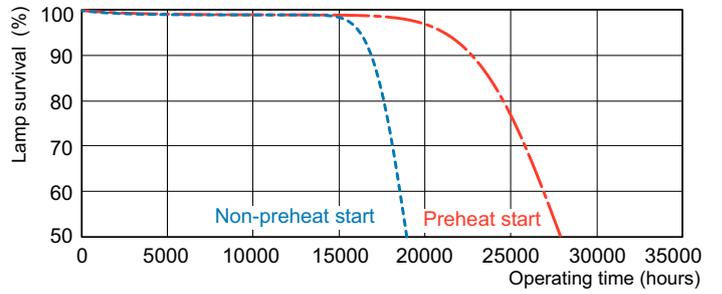
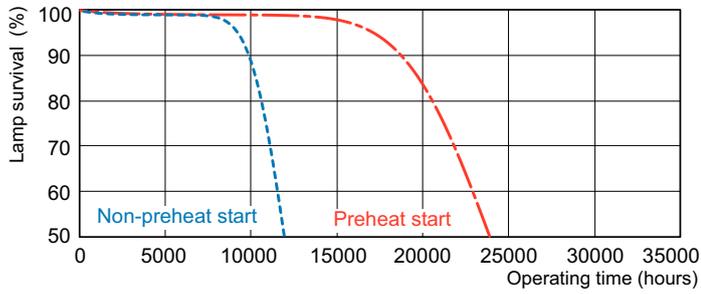
LDPB\_TL5-HE8\_840-Spectral power distribution B/W



LDPO\_TL5-HE8\_840-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

