



# MASTER TL5 High Efficiency



## MASTER TL5 HE 21W/840 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.

### 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	
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 %
Flux measurement reference	Sphere
Light Technical	
Color Code	840 [ CCT of 4000K]
Luminous Flux (Nom)	1900 lm

Luminous Flux (Rated) (Nom)	1850 lm
Color Designation	Cool White (CW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	101 lm/W
Chromaticity Coordinate X (Nom)	0.38
Chromaticity Coordinate Y (Nom)	0.38
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	90 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 %

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LLMF 20000 h Rated	90 %
<b>Operating and Electrical</b>	
Power (Nom)	20.8 W
Lamp Current (Nom)	0.165 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	G

Mercury (Hg) Content (Max)	1.4 mg
Mercury (Hg) Content (Nom)	1.4 mg
Energy Consumption kWh/1000 h	21 kWh
EPREL Registration Number	423455
<b>Product Data</b>	
Full product code	871150063944855
Order product name	MASTER TL5 HE 21W/840 SLV/40
EAN/UPC - Product	8711500639448
Order code	927926284055
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927926284055
Net Weight (Piece)	79.200 g
ILCOS Code	FDH-21/40/1B-L/P-G5-16/850

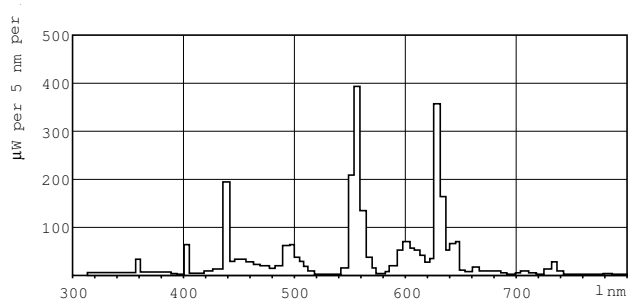
## Dimensional drawing



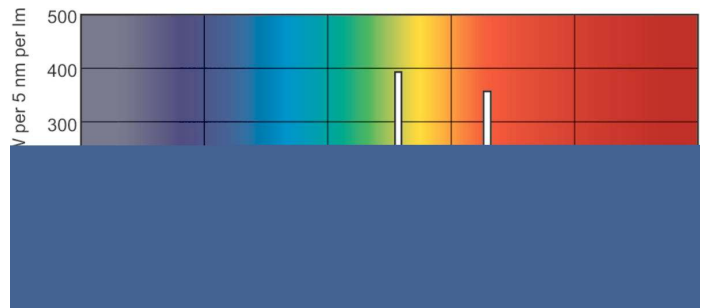
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 21W/840 SLV/40	17 mm	849.0 mm	856.1 mm	853.7 mm	863.2 mm

## TL5 21W/840/GP HE

## Photometric data



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



LDPO\_TL5-HE8\_840-Spectral power distribution Colour

# 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

