



# MASTER TL5 High Output

## MASTER TL5 HO 54W/840 UNP/40

This TL5 lamp (tube diameter 16 mm) offers high light output. The TL5 HO lamp is optimized for installations requiring high light output and offers excellent lumen maintenance and color rendering. Application areas vary from offices and industry to schools and retail environments.

### 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

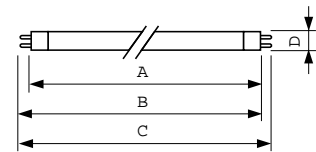
General Information			
Cap-Base	G5 [ G5]	Luminous Flux (Rated) (Nom)	4500 lm
Life to 50% Failures Preheat (Nom)	30000 h	Color Designation	Cool White (CW)
Features	na [ Not Applicable]	Luminous Efficacy (@ Max Lumen, Rated) (Nom)	93 lm/W
System Description	High Output	Chromaticity Coordinate X (Nom)	0.38
LSF Preheat 2000 h Rated	99 %	Chromaticity Coordinate Y (Nom)	0.38
LSF Preheat 4000 h Rated	99 %	Correlated Color Temperature (Nom)	4000 K
LSF Preheat 6000 h Rated	99 %	Luminous Efficacy (rated) (Nom)	83 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)	80
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	840 [ CCT of 4000K]		
Luminous Flux (Nom)	4500 lm		

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LLMF 20000 h Rated	90 %
<b>Operating and Electrical</b>	
Power (Nom)	54.4 W
Lamp Current (Nom)	0.455 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	55 kWh
EPREL Registration Number	423563
<b>Product Data</b>	
Full product code	871150063740655
Order product name	MASTER TL5 HO 54W/840 UNP/40
EAN/UPC - Product	8711500637406
Order code	927929084018
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927929084018
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-54/40/1B-L/P-G5-16/1150

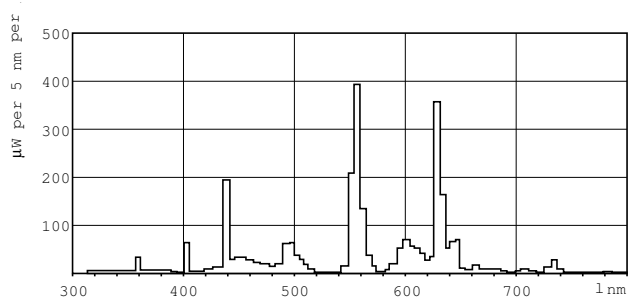
## Dimensional drawing



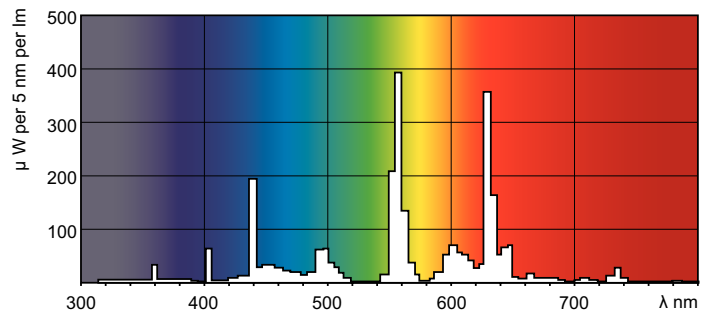
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO 54W/840 UNP/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

## TL5 HO 54W/840

## Photometric data



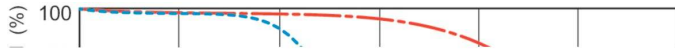
LDPB\_TL5-HO8\_840-Spectral power distribution B/W



LDPO\_TL5-HO8\_840-Spectral power distribution Colour

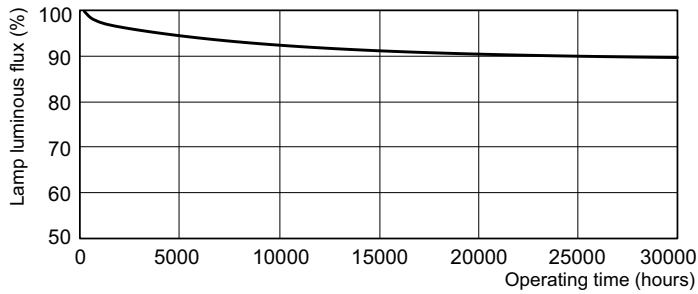
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## Lifetime



LDLE\_TL5-HO8\_0001-Life expectancy diagram

LDLE\_TL5-HO8\_0002-Life expectancy diagram



LDLM\_TL5-HO8\_0001-Lumen maintenance diagram

