



PHILIPS MASTER TL5 High Output Lighting User Guide

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Lighting



**MASTER TL5 High
Output
MASTER TL5 HO 24W/840 1SL/40**

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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

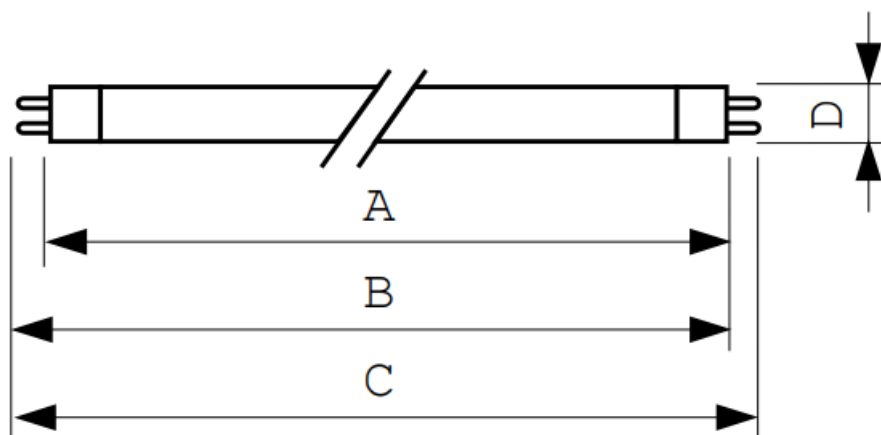
General information

Cap base	G5 [G5]
Life to 50% failures preheat (nom.)	30000 h
Features	na [Not Applicable]
System description	High Output (HO)
LSF preheat 2,000 hours rated	99%
LSF preheat 4,000 hours rated	99%
LSF preheat 6,000 hours rated	99%
LSF preheat 8,000 hours rated	99%
LSF preheat 16,000 hours rated	97%
LSF preheat 20,000 hours rated	84%
	Sphere
Light technical	
Colour Code	841 [CCT of 4100K (841)]
Luminous flux (nom.)	1700 lm
Luminous flux (rated) (nom.)	1700 lm
Colour designation	Cool White (CW)
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	87 lm/W
Chromaticity coordinate X (nom.)	0.38
Chromaticity coordinate Y (nom.)	0.38
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	76 lm/W
Color rendering index (max.)	85
Colour-rendering index (min.)	80
Colour rendering index (nom.)	82
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%

MASTER TL5 High Output

LLMF 20000 h Rated	90%
Operating and electrical	
Power (Rated) (Nom)	22.7 W
Lamp current (nom.)	0.295 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	
Energy Efficiency Class	G
Mercury (Hg) content (nom.)	1.2 mg
Energy consumption kWh/1,000 hours	23 kWh
	423555
Product data	
Full product code	8.7115E+14
Order product name	MASTER TL5 HO 24W/840 SLV/40
EAN/UPC – product	8.7115E+12
Order code	63960855
SAP numerator – quantity per pack	1
Calculated local code description B2B	3816702
Numerator – packs per outer box	40
SAP material	9.2793E+11
Net Weight (Piece)	52.000 g
ILCOS code	FDH-24/40/1B-L/P-G5-16/550

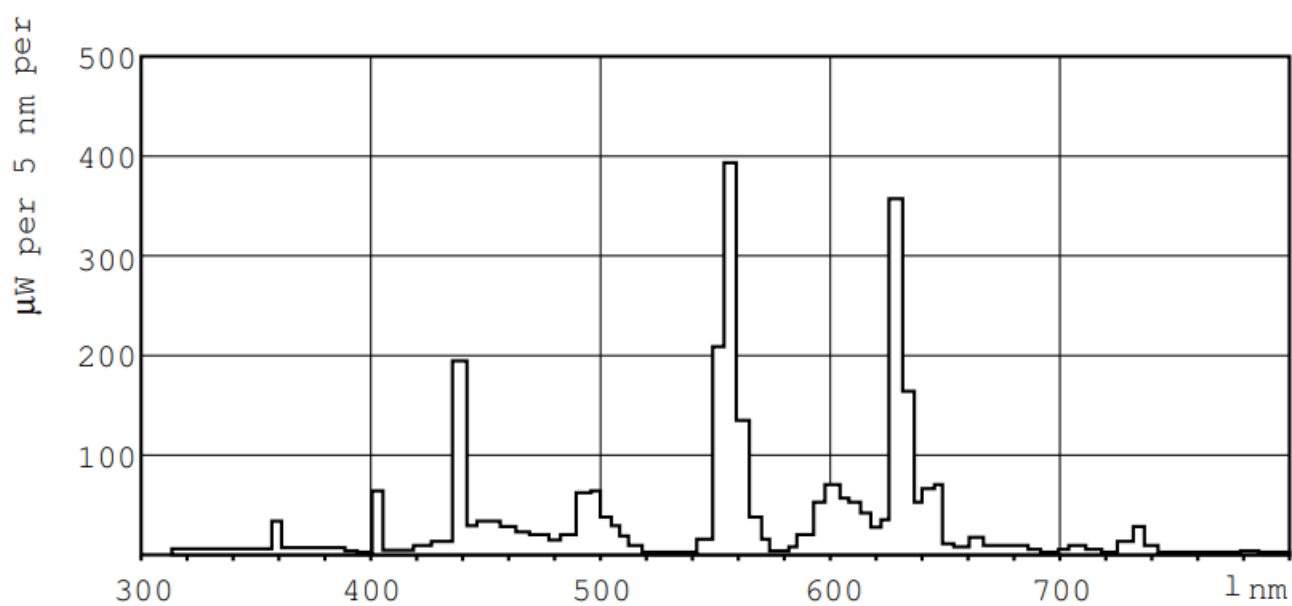
Dimensional drawing



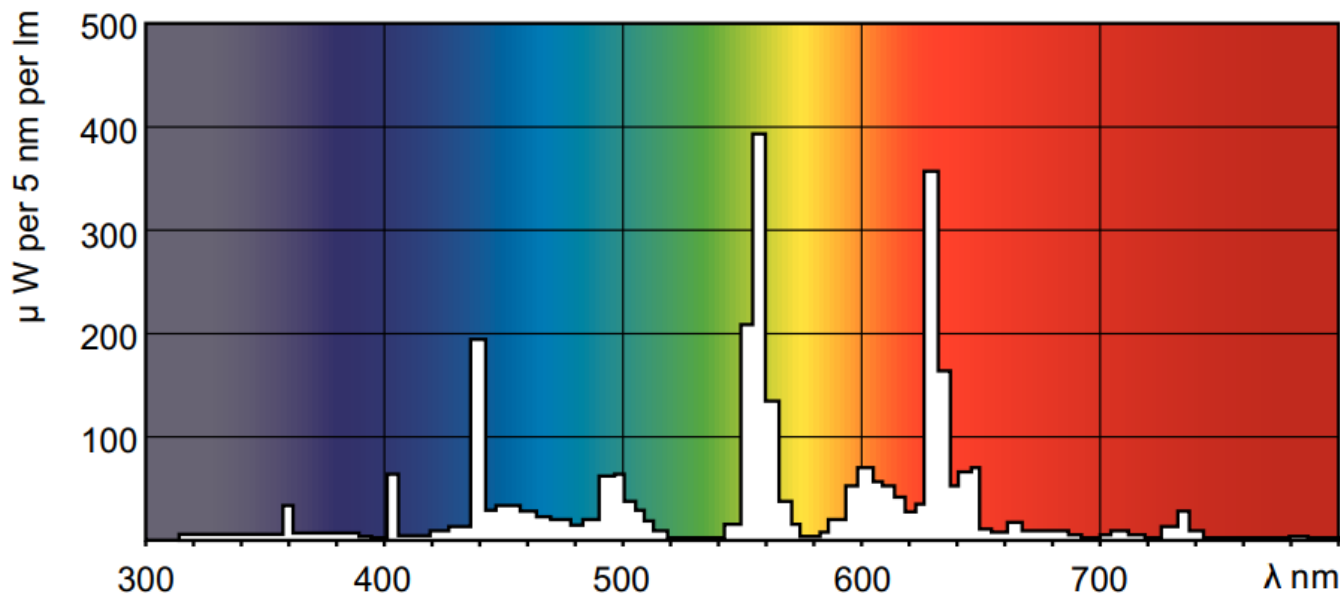
Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HO 24W/840 S LV/40	17 mm	549.0 mm	556.1 mm	553.7 mm	563.2 mm

MASTER TL5 HO 24W/840 SLV/40

Photometric data



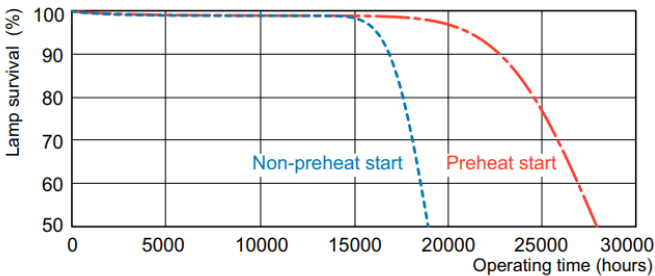
LDPB_TL5-HO8_840-Spectral power distribution B/W



Lightcolour /840

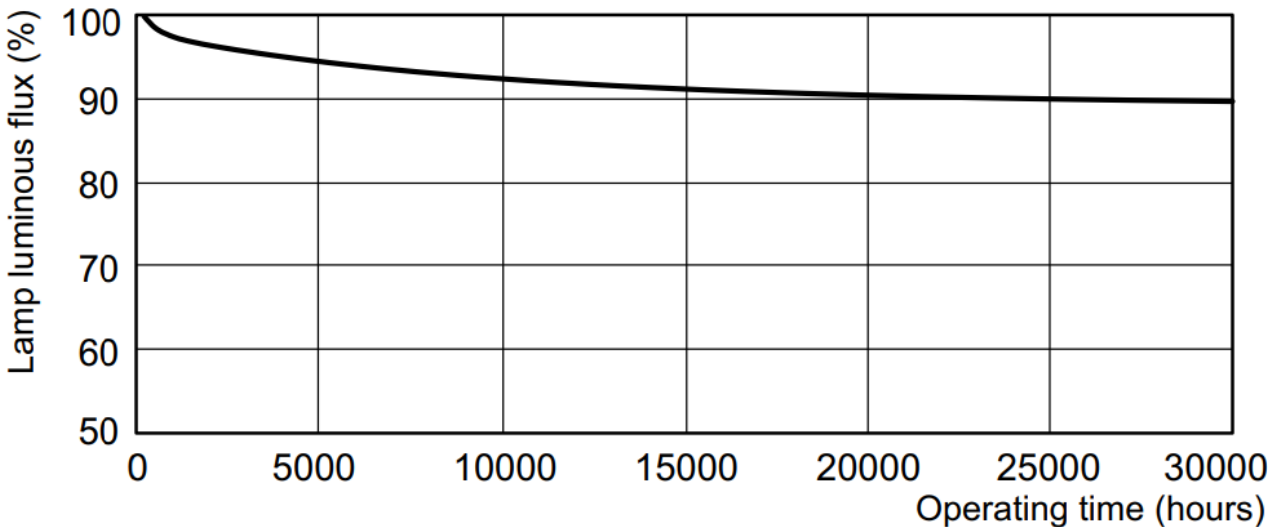
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Lifetim



LDLE_TL5-HO8_0001-Life expectancy diagram

LDLE_TL5-HO8_0002-Life expectancy diagram



LDLM_TL5-HO8_0001-Lumen maintenance diagram


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2022, September 11 – data subject to change

Documents / Resources

	<p>PHILIPS MASTER TL5 High Output Lighting [pdf] User Guide MASTER TL5 High Output Lighting, MASTER TL5, High Output Lighting, Lighting</p>
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References

-  [LED & Conventional lighting solutions | Philips lighting](#)