

MASTER TL5 High Efficiency

MASTER TL5 HE 28W/840 1SL/40

Low-pressure mercury discharge lamps with a tubular 16 mm envelope

Product data

• General Information

Cap base	G5 [G5]
Bulb shape	T5 [16 mm (T5)]
Life to 50% failures preheat (nom.)	24000 h
Features	na [Not Applicalbe]
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 %

• Light Technical

Luminous flux (nom.)	2900 lm
Luminous flux (rated) (nom.)	2625 lm
Colour designation	Cool White (CW)
Luminous efficacy (@ max. lumen, rated) (nom.)	104 lm/W
Chromaticity coordinate X (nom.)	380
Chromaticity coordinate Y (nom.)	380
Correlated colour temperature (nom.)	4100 K
Luminous efficacy (rated) (nom.)	94 lm/W
Color rendering index (max.)	85
Color rendering index (min.)	80
Color 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 %
LLMF 20000 h Rated	90 %

• Operating and Electrical

Power (Rated) (Nom)	27.9 W
Lamp current (nom.)	0.170 A

• Temperature

Design temperature (nom.)	35 °C

• Controls and Dimming

Dimmable	yes

• Mechanical and Housing

Cap base information	Green Plate

• Approval and Application

Energy efficiency label (EEL)	A+

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Mercury (Hg) content (nom.)	1.4 mg
Energy Consumption kWh/1000 h	31 kWh

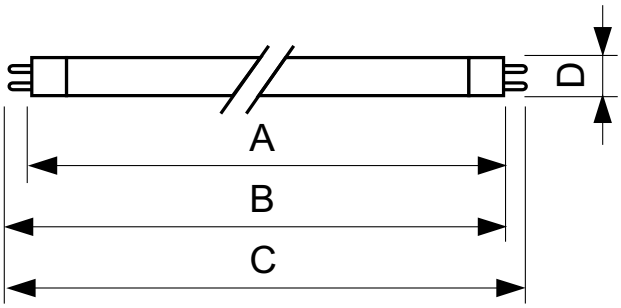
- Product Data

Full product code	871150063948655
Order product name	MASTER TL5 HE 28W/840 SLV/40
EAN/UPC – product	8711500639486
Order code	63948655
Local Code	28840
Numerator – quantity per pack	1
Numerator – packs per outer box	40
Material no. (12NC)	927926584055
Net weight (piece)	105.000 g
ILCOS Code	FDH-28/40/1B-L/P-G5-16/1150

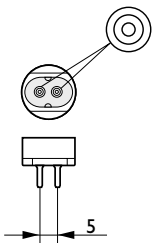
Warnings and Safety

- 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.

Dimensional drawing



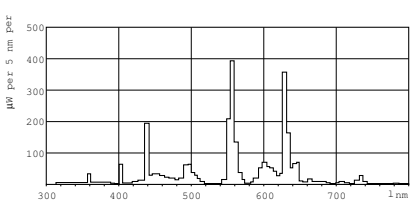
G5, T5

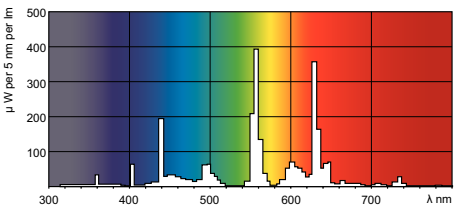


TL5 28W/840/GP HE

Product	D	A	B	B C
MASTER TL5 HE 28W/840 SLV/40	1156.1 mm	1153.7 mm	1163.2 mm	

Photometric data







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data subject to change