



MASTER TL5 High Efficiency

MASTER TL5 HE 28W/840 1SL

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.

Product data

• General Characteristics

System Description	High Efficiency
Cap-Base	G5
Cap-Base Information	Green Plate
Bulb	T5 [16 mm]
Life to 10% fail	19000 hr
Preheat EL,3h	
Life to 50% fail	24000 hr
Preheat EL,3h	
LSF HF Preheat	99 %
2000h Rated,3h	
LSF HF Preheat	99 %
4000h Rated,3h	
LSF HF Preheat	99 %
6000h Rated,3h	
LSF HF Preheat	99 %
8000h Rated,3h	
LSF HF Preheat	99 %
12000h Rated,3h	
LSF HF Preheat	97 %
16000h Rated,3h	
LSF HF Preheat	84 %
20000h Rated,3h	

• Light Technical Characteristics

Color Code	840 [CCT of 4000K]
Color Rendering Index	85 Ra8
Color Designation (text)	Cool White
Color Temperature	4000 K
Luminous Flux EL 25°C, Rated	2625 Lm
Luminous Flux EL 25°C, Nominal	2625 Lm

Luminous Flux Lamp EL 35°C	2900 Lm
Lum Efficacy Rated HF 25°C	94 Lm/W
Lum Efficacy Rated HF 35°C	104 Lm/W
LLMF HF 2000h Rated	96 %
LLMF HF 4000h Rated	95 %
LLMF HF 6000h Rated	94 %
LLMF HF 8000h Rated	93 %
LLMF HF 12000h Rated	92 %
LLMF HF 16000h Rated	91 %
LLMF HF 20000h Rated	90 %
Design Temperature	35 C
Chromaticity Coordinate X	380 -
Chromaticity Coordinate Y	380 -

• Electrical Characteristics

Lamp Wattage	28 W
Lamp Wattage EL 25°C, Rated	27.9 W
Lamp Wattage EL 25°C, Nominal	28.0 W
Lamp Wattage EL 35°C	27.8 W
Lamp Voltage EL 25°C	166 V



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Lamp Voltage EL 35°C	167 V
Lamp Current EL 25°C	0.170 A
Lamp Current EL 35°C	0.170 A
Dimmable	Yes

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	1.4 mg
Energy consumption kWh/1000h	31 kWh

• Measuring Conditions

Calibration Current	0.170 A
HF Generator Rated Voltage	329 V
Resistor	950 ohm

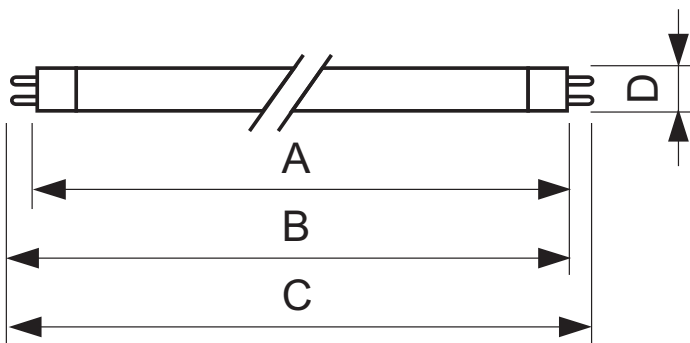
• Product Dimensions

Base Face to Base Face A	1149.0 (max) mm
Insertion Length B	1153.7 (min), 1156.1 (max) mm
Overall Length C	1163.2 (max) mm
Diameter D	17 (max) mm

• Product Data

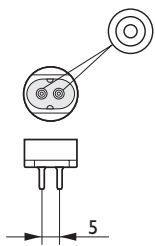
Order code	927926584053
Full product code	927926584053
Full product name	MASTER TL5 HE 28W/840 1SL
Order product name	MASTER TL5 HE 28W/840 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	6923410745382
Bar code on outerbox - EAN3	6923410745399
Logistic code(s) - 12NC	927926584053
ILCOS code	FDH-28/40/1B-L/P-G5-16/1150
Net weight per piece	0.105 kg

Dimensional drawing



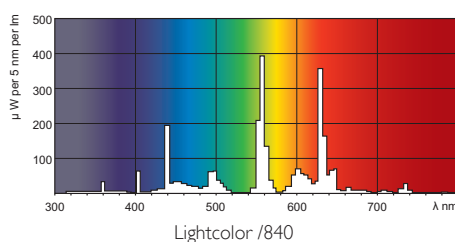
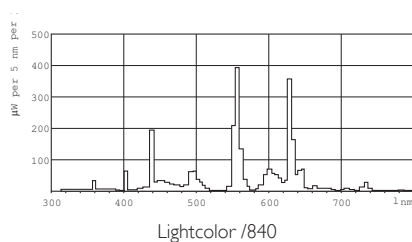
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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 28W/840/GP HE	1149.0	1153.7	1156.1	1163.2	17



G5

Photometric data





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data subject to change