



MASTER TL5 High Output

MASTER TL5 HO 80W/840 1SL

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.

Product data

• General Characteristics

System Description	High Output
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	6550 Lm
Luminous Flux EL 25°C, Nominal	6550 Lm

Luminous Flux Lamp EL 35°C	7000 Lm
Lum Efficacy Rated HF 25°C	82 Lm/W
Lum Efficacy Rated HF 35°C	88 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	80 W
Lamp Wattage EL 25°C, Rated	79.8 W
Lamp Wattage EL 25°C, Nominal	80 W
Lamp Wattage EL 35°C	80.0 W
Lamp Voltage EL 25°C	152 V

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Lamp Voltage EL 35°C	145 V
Lamp Current EL 25°C	0.530 A
Lamp Current EL 35°C	0.555 A
Dimmable	Yes

• Environmental Characteristics

Energy Efficiency Label (EEL)	A
Mercury (Hg) Content	1.4 mg

• Measuring Conditions

Calibration Current	0.550 A
HF Generator Rated Voltage	290 V
Resistor	260 ohm

• Product Dimensions

Base Face to Base Face A	1449.0 (max) mm
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Insertion Length B	1453.7 (min), 1456.1 (max) mm
Overall Length C	1463.2 (max) mm
Diameter D	17 (max) mm

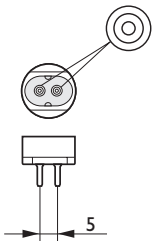
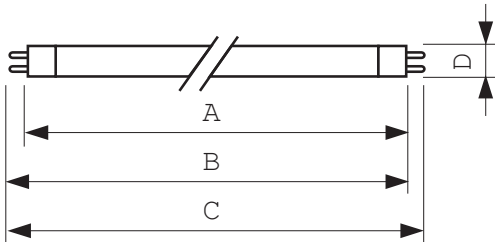
• Product Data

Order code	927929584057
Full product code	927929584057
Full product name	MASTER TL5 HO 80W/840 1SL
Order product name	MASTER TL5 HO 80W/840 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500710451
Bar code on outerbox - EAN3	8711500868862
Logistic code(s) - 12NC	927929584057
ILCOS code	FDH-80/40/1B-L/P-G5-16/1450
Net weight per piece	128.700 gr

Dimensional drawing

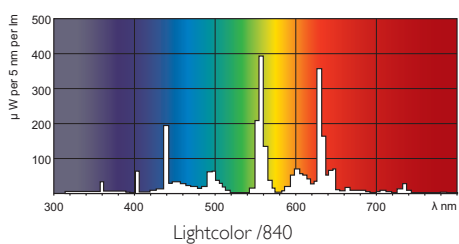
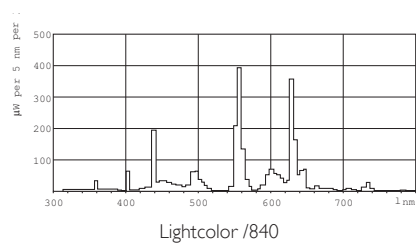
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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO 80W/840	1449.0	1453.7	1456.1	1463.2	17



G5

Photometric data



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data subject to change