



MASTER TL5 High Output

MASTER TL5 HO 80W/840 UNP

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

Product data

• General Characteristics

System Description	High Output
Cap-Base	G5
Cap-Base Information	Green Plate
Bulb	T5 [16 mm]
Life to 10% fail	21000 hr
Preheat EL,3h	
Life to 50% fail	30000 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	

Lum Efficacy Rated	82 Lm/W
HF 25°C	
Lum Efficacy Rated	88 Lm/W
HF 35°C	
LLMF HF 2000h	96 %
Rated	
LLMF HF 4000h	95 %
Rated	
LLMF HF 6000h	94 %
Rated	
LLMF HF 8000h	93 %
Rated	
LLMF HF 12000h	92 %
Rated	
LLMF HF 16000h	91 %
Rated	
LLMF HF 20000h	90 %
Rated	
Design Temperature	35 C
Chromaticity Coordinate X	380 -
Chromaticity Coordinate Y	380 -

• Light Technical Characteristics

Colour Code	840 [CCT of 4000K]
Colour Rendering Index	80 (min), 82 (nom), 85 (max) Ra8
Colour Designation	Cool White
Colour Temperature	4000 K
Luminous Flux EL	6550 Lm
25°C, Rated	
Luminous Flux EL	6550 Lm
25°C, Nominal	
Luminous Flux Lamp	7000 Lm
EL 35°C	

• Electrical Characteristics

Lamp Wattage	80 W
Lamp Wattage EL	79.8 W
25°C, Rated	
Lamp Wattage EL	80.0 W
25°C, Nominal	
Lamp Wattage EL	80.0 W
35°C	
Lamp Voltage EL	152 V
25°C	
Lamp Voltage EL	145 V
35°C	



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Lamp Current EL 25°C 0.530 A
 Lamp Current EL 35°C 0.555 A
 Dimmable yes

Insertion Length B 1453.7 (min), 1456.1 (max) mm
 Overall Length C 1463.2 (max) mm
 Diameter D 17 (max) mm

• Environmental Characteristics

Energy Efficiency Label (EEL) A
 Mercury (Hg) Content 1.4 mg
 Energy consumption kWh/1000h 88 kW/h

• Measuring Conditions

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

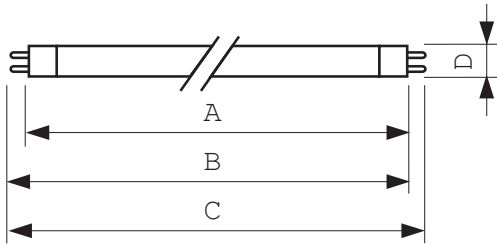
• Product Dimensions

Base Face to Base Face A 1449.0 (max) mm

• Product Data

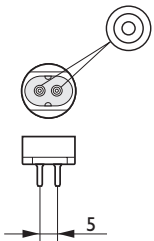
Order code 644381 55
 Full product code 871150064438155
 Full product name MASTER TL5 HO 80W/840 UNP
 Order product name MASTER TL5 HO 80W/840 UNP/40
 Pieces per pack 1
 Packing configuration 40
 Packs per outerbox 40
 Bar code on pack - EAN1 8711500644381
 Bar code on outerbox - EAN3 8711500644398
 Logistic code(s) - 12NC 927929584018
 ILCOS code FDH-80/40/1B-L/P-G5-16/1450
 Net weight per piece 132.000 gr

Dimensional drawing



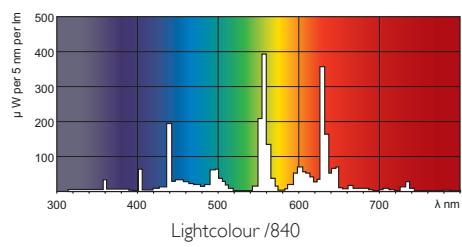
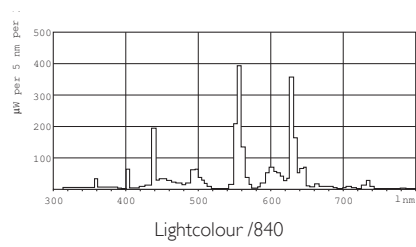
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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HO 80W/840	1449.0	1453.7	1456.1	1463.2	17



G5

Photometric data



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data subject to change