



MASTER TL5 High Efficiency

MASTER TL5 HE 35W/840 1SL

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

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

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	3325 Lm
25°C, Rated	
Luminous Flux EL	3325 Lm
25°C, Nominal	
Luminous Flux Lamp	3650 Lm
EL 35°C	

Lum Efficacy Rated	94 Lm/W
HF 25°C	
Lum Efficacy Rated	105 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 -

• Electrical Characteristics

Lamp Wattage	35 W
Lamp Wattage EL	35.5 W
25°C, Rated	
Lamp Wattage EL	35.0 W
25°C, Nominal	
Lamp Wattage EL	34.7 W
35°C	
Lamp Voltage EL	205 V
25°C	
Lamp Voltage EL	209 V
35°C	



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Lamp Current EL 25°C 0.175 A
 Lamp Current EL 35°C 0.170 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 A+
 Label (EEL)
 Mercury (Hg) Content 1.4 mg
 Energy consumption kWh/1000h 38 kWh

• Measuring Conditions

Calibration Current 0.170 A
 HF Generator Rated Voltage 413 V
 Resistor 1200 ohm

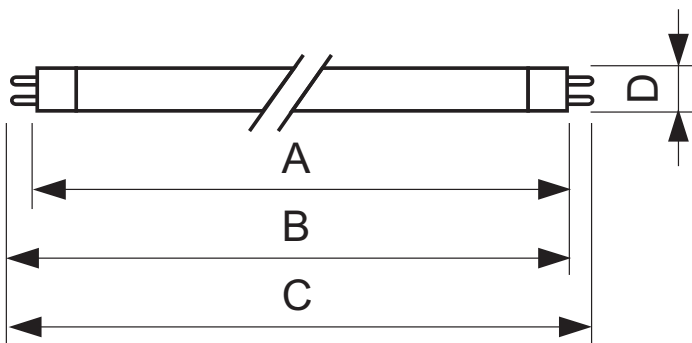
• Product Dimensions

Base Face to Base Face A 1449.0 (max) mm

• Product Data

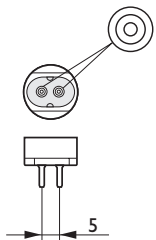
Order code 639523 55
 Full product code 871150063952355
 Full product name MASTER TL5 HE 35W/840 1SL
 Order product name MASTER TL5 HE 35W/840 1SL/40
 Pieces per pack 1
 Packing configuration 40
 Packs per outerbox 40
 Bar code on pack - EAN1 8711500639523
 Bar code on outerbox - EAN3 8711500867681
 Logistic code(s) - 12NC 927927084055
 ILCOS code FDH-35/40/1B-L/P-G5-16/1450
 Net weight per piece 128.700 gr

Dimensional drawing



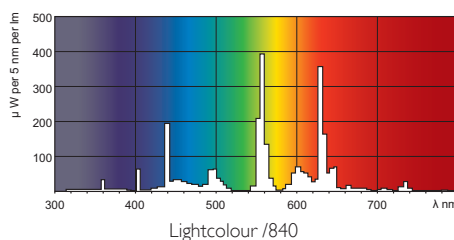
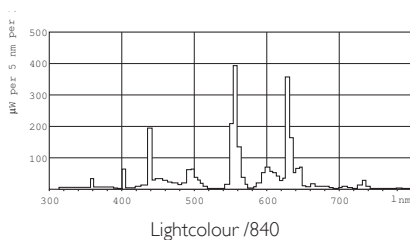
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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 HE 35W/840/GP	1449.0	1453.7	1456.1	1463.2	17



G5

Photometric data





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data subject to change