



MASTER TL5 High Efficiency

MASTER TL5 HE 14W/865 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	865 [CCT of 6500K]
Colour Rendering Index	80 (min), 82 (nom), 85 (max) Ra8
Colour Designation	Cool Daylight
Colour Temperature	6500 K
Luminous Flux EL	1125 Lm
25°C, Rated	
Luminous Flux EL	1125 Lm
25°C, Nominal	
Luminous Flux Lamp	1250 Lm
EL 35°C	

Lum Efficacy Rated	80 Lm/W
HF 25°C	
Lum Efficacy Rated	91 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	313 -
Chromaticity Coordinate Y	337 -

• Electrical Characteristics

Lamp Wattage	14 W
Lamp Wattage EL	14 W
25°C, Rated	
Lamp Wattage EL	14 W
25°C, Nominal	
Lamp Wattage EL	13.7 W
35°C	
Lamp Voltage EL	86 V
25°C	
Lamp Voltage EL	82 V
35°C	



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Lamp Current EL 25°C 0.165 A
 Lamp Current EL 35°C 0.170 A
 Dimmable yes

Insertion Length B 553.7 (min), 556.1 (max) mm
 Overall Length C 563.2 (max) mm
 Diameter D 17 (max) mm

• Environmental Characteristics

Energy Efficiency Label (EEL) A+
 Mercury (Hg) Content 1.4 mg
 Energy consumption kWh/1000h 15 kWh

• Measuring Conditions

Calibration Current 0.170 A
 HF Generator Rated Voltage 167 V
 Resistor 500 ohm

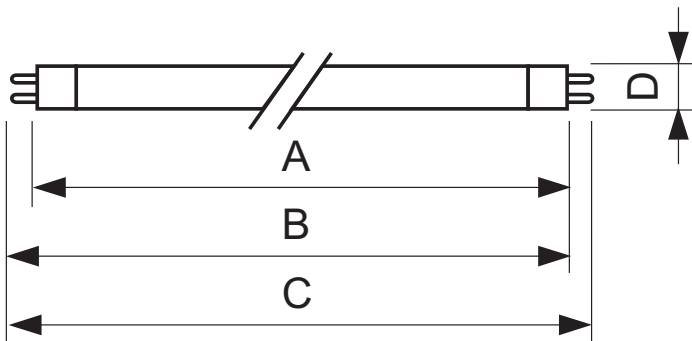
• Product Dimensions

Base Face to Base Face A 549.0 (max) mm

• Product Data

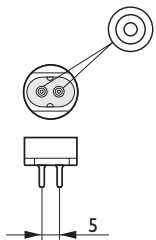
Order code 710093 55
 Full product code 871150071009355
 Full product name MASTER TL5 HE 14W/865 1SL
 Order product name MASTER TL5 HE 14W/865 1SL/40
 Pieces per pack 1
 Packing configuration 40
 Packs per outerbox 40
 Bar code on pack - EAN1 8711500710093
 Bar code on outerbox - EAN3 8711500867490
 Logistic code(s) - 12NC 927926086555
 ILCOS code FDH-14/65/1B-L/P-G5-16/550
 Net weight per piece 40.850 gr

Dimensional drawing



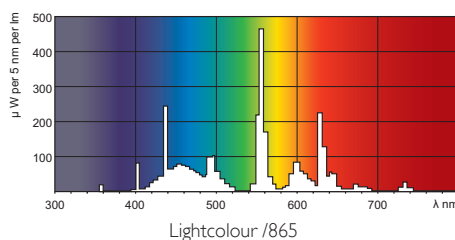
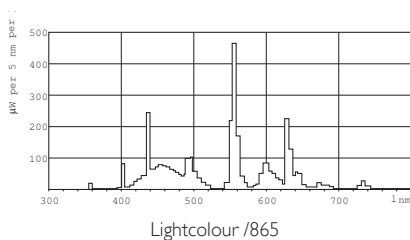
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Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 14W/865/GP HE	549.0	553.7	556.1	563.2	17



G5

Photometric data





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data subject to change