



# MASTER TL5 High Efficiency

MASTER TL5 HE 28W/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	2450 Lm
25°C, Rated	
Luminous Flux EL	2450 Lm
25°C, Nominal	
Luminous Flux Lamp	2700 Lm
EL 35°C	

Lum Efficacy Rated	88 Lm/W
HF 25°C	
Lum Efficacy Rated	97 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	28 W
Lamp Wattage EL	27.9 W
25°C, Rated	
Lamp Wattage EL	28.0 W
25°C, Nominal	
Lamp Wattage EL	27.8 W
35°C	
Lamp Voltage EL	166 V
25°C	
Lamp Voltage EL	167 V
35°C	



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# PHILIPS

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

Insertion Length B	1153.7 (min), 1156.1 (max) mm
Overall Length C	1163.2 (max) mm
Diameter D	17 (max) mm

### • Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	1.4 mg
Energy consumption kWh/1000h	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
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### • Product Data

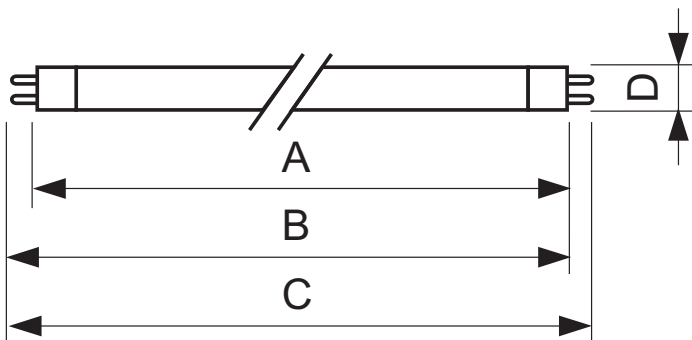
Order code	710154 55
Full product code	871150071015455
Full product name	MASTER TL5 HE 28W/865 1SL
Order product name	MASTER TL5 HE 28W/865 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500710154
Bar code on outerbox - EAN3	8711500867612
Logistic code(s) - 12NC	927926586555
ILCOS code	FDH-28/65/1B-L/P-G5-16/1150
Net weight per piece	105.000 gr

## Warnings and Safety

- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and

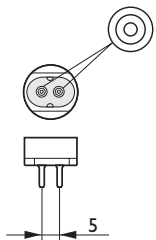
remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

## Dimensional drawing



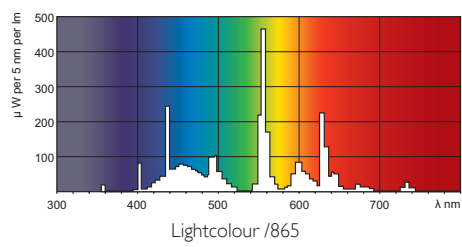
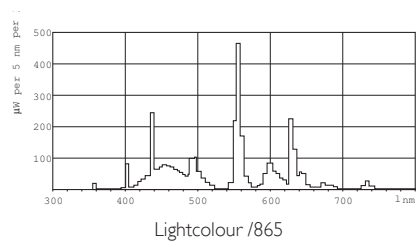
### MASTER TL5 HE 28W/865 1SL

Product	A (Max)	B (Min)	B (Max)	C (Max)	D (Max)
TL5 28W/865/GP HE	1149.0	1153.7	1156.1	1163.2	17



G5

## Photometric data



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data subject to change