



# MASTER TL5 High Efficiency

## MASTER TL5 HE 28W/865 1SL

This TL5 lamp (tube diameter 16 mm) has a high luminous efficacy, resulting in low energy consumption. The High Efficiency TL5 lamp offers excellent lumen maintenance and good color rendering. Application areas are offices, industry, public and governmental buildings, schools, hospitals and indoor sports lighting.

### 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	

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 -

#### • Light Technical Characteristics

Color Code	865 [CCT of 6500K]
Color Rendering Index	80 (min), 82 (nom), 85 (max) Ra8
Color Designation (text)	Cool Daylight
Color Temperature	6500 K
Luminous Flux EL	2450 Lm
25°C, Rated	
Luminous Flux EL	2450 Lm
25°C, Nominal	

#### • 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	



# MASTER TL5 High Efficiency

Lamp Voltage EL 35°C	167 V
Lamp Current EL 25°C	0.170 A
Lamp Current EL 35°C	0.170 A
Dimmable	Yes

## • 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

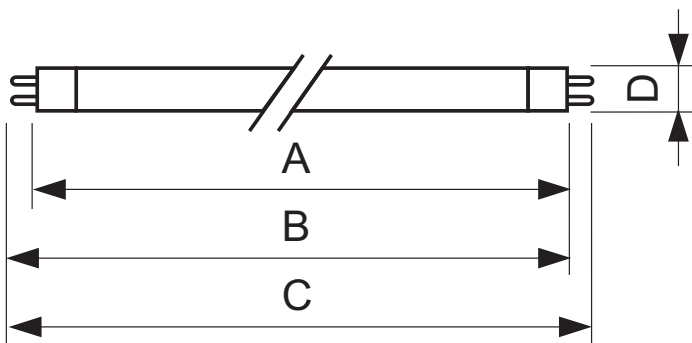
## • Product Dimensions

Base Face to Base Face A	1149.0 (max) mm
Insertion Length B	1153.7 (min), 1156.1 (max) mm
Overall Length C	1163.2 (max) mm
Diameter D	17 (max) mm

## • Product Data

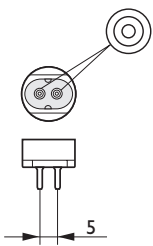
Order code	927926586555
Full product code	927926586555
Full product name	MASTER TL5 HE 28W/865 1SL
Order product name	MASTER TL5 HE 28W/865 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500710154
Bar code on outerbox - EAN3	8711500867612
Logistic code(s) - 12NC	927926586555
ILCOS code	FDH-28/65/1B-L/P-G5-16/1150
Net weight per piece	83.000 gr

## Dimensional drawing



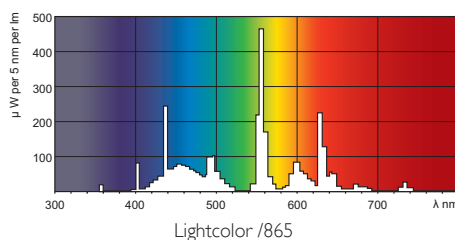
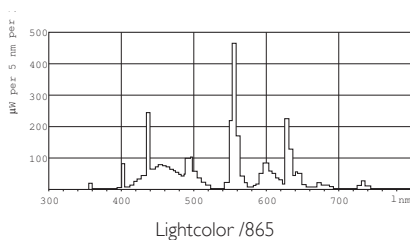
## MASTER TL5 HE 28W/865 1SL

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





© 2014 Koninklijke Philips N.V. (Royal Philips)  
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

[www.philips.com/lighting](http://www.philips.com/lighting)

2014, October 31  
data subject to change