



T5 Standard

28W/865 T5

Philips T5 Fluorescent Lamps featuring ALTO® Lamp Technology offer increased energy savings and low toxicity in a slim profile

Product data

• General Characteristics

System Description	High Efficiency
Base	Miniature Bipin
Base Information	Green Plate
Bulb	T5 [16 mm]
Life to 50% fail	24000 hr
Preheat EL,3h	
Life to 10% fail	19000 hr
Preheat EL,3h	
LSF HF Preheat	85 %
20000h Rated,3h	
LSF HF Preheat	95 %
12000h Rated,3h	
LSF HF Preheat	97 %
8000h Rated,3h	
LSF HF Preheat	98 %
6000h Rated,3h	
LSF HF Preheat	98 %
4000h Rated,3h	
LSF HF Preheat	99 %
2000h Rated,3h	
LSF HF Preheat	94 %
16000h Rated,3h	

• Electrical Characteristics

Lamp Wattage	28 W
Lamp Voltage EL	166 V
25°C	
Lamp Current EL	0.170 A
25°C	
Dimmable	Yes
Lamp Wattage EL	27.8 W
35°C	
Lamp Current EL	0.170 A
35°C	

Lamp Voltage EL	167 V
35°C	
Lamp Wattage EL	28.2 W
25°C, Rated	
Lamp Wattage EL	28 W
25°C, Nominal	

• Environmental Characteristics

Energy Efficiency	A
Label (EEL)	
Mercury (Hg)	1.4 mg
Content	

• Light Technical Characteristics

Color Code	865 [CCT of 6500K]
Color Rendering	85 Ra8
Index	
Color Designation	Cool Daylight
Color Temperature	6500 K
Chromaticity Coordinate X	313 -
Chromaticity Coordinate Y	338 -
Initial Lumens	2700 Lm
Luminance Average	1.4 cd/cm ²
EL 25°C	
Lum Efficacy Rated	85 Lm/W
HF 25°C	
Lum Efficacy Rated	97 Lm/W
HF 35°C	
LLMF HF 20000h	88 %
Rated	
LLMF HF 16000h	90 %
Rated	

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sense and simplicity

T5 Standard

LLMF HF 12000h Rated	91 %
LLMF HF 8000h Rated	93 %
LLMF HF 6000h Rated	94 %
LLMF HF 4000h Rated	95 %
LLMF HF 2000h Rated	96 %
Luminous Flux EL 25°C, Rated	2400 Lm
Luminous Flux EL 25°C, Nominal	2400 Lm
Design Temperature	35 C

• 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

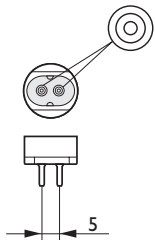
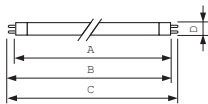
• Measuring Conditions

Calibration Current	0.170 A
HF Generator Rated Voltage	329 V
Resistor	950 ohm

• Product Data

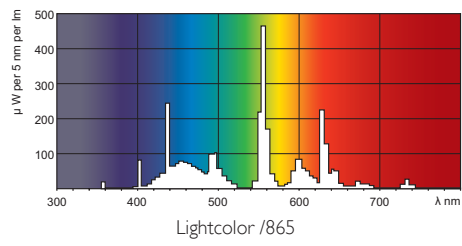
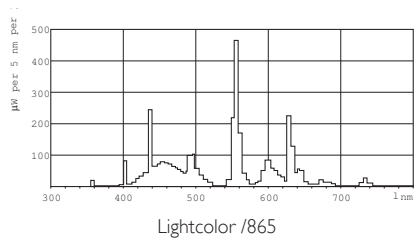
Order code	927926586555
Full product code	927926586555
Full product name	MASTER TL5 HE 28W/865 1SL
Order product name	MASTER TL5 HE 28W/865 1SL/40
Pieces per pack	1
Packing configuration	40
Packs per outerbox	40
Bar code on pack - EAN1	8711500710154
Bar code on outerbox - EAN3	8711500867612
Logistic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

Dimensional drawing



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

Photometric data



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data subject to change