



MASTER TL5 High Efficiency

MASTER TL5 HE 28W/865 UNP/40

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 Information		
Cap-Base	G5 [G5]	
Life to 50% Failures Preheat (Nom)	24000 h	
Features	na [Not Applicable]	
System Description	High Efficiency	
LSF Preheat 2000 h Rated	99 %	
LSF Preheat 4000 h Rated	99 %	
LSF Preheat 6000 h Rated	99 %	
LSF Preheat 8000 h Rated	99 %	
LSF Preheat 16000 h Rated	97 %	
LSF Preheat 20000 h Rated	84 %	
Color Rendering Index (Max)		85
Color Rendering Index (Min)		80
Color Rendering Index (Nom)		82
LLMF 2000 h Rated		96 %
LLMF 4000 h Rated		95 %
LLMF 6000 h Rated		94 %
LLMF 8000 h Rated		93 %
LLMF 12000 h Rated		92 %
LLMF 16000 h Rated		91 %
LLMF 20000 h Rated		90 %
Light Technical		
Color Code	865 [CCT of 6500K]	
Luminous Flux (Nom)	2700 lm	
Luminous Flux (Rated) (Nom)	2500 lm	
Color Designation	Cool Daylight	
Luminous Efficacy (@ Max Lumen, Rated) (Nom)	97 lm/W	
Correlated Color Temperature (Nom)	6500 K	
Luminous Efficacy (rated) (Nom)	90 lm/W	
Operating and Electrical		
Power (Rated) (Nom)	27.9 W	
Lamp Current (Nom)	0.170 A	
Temperature		
Design Temperature (Nom)	35 °C	

MASTER TL5 High Efficiency

Controls and Dimming

Dimmable	Yes
----------	-----

Mechanical and Housing

Cap-Base Information	Green Plate
----------------------	-------------

Approval and Application

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content (Nom)	1.4 mg
Energy Consumption kWh/1000 h	31 kWh

Product Data

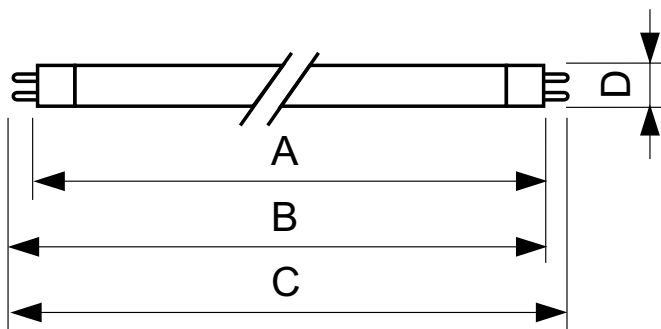
Full product code	871150061092855
-------------------	-----------------

Order product name	MASTER TL5 HE 28W/865 UNP/40
EAN/UPC - Product	8711500610928
Order code	927926586518
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	40
Material Nr. (12NC)	927926586518
Net Weight (Piece)	105.800 g
ILCOS Code	FDH-28/65/1B-L/P-G5-16/1150

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.

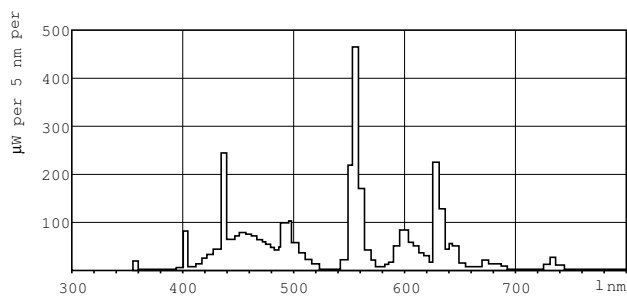
Dimensional drawing



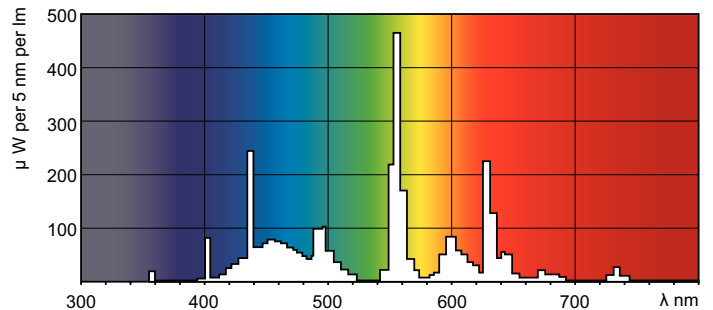
TL5 28W/865/GP HE

Product	D (max)	A (max)	B (max)	B (min)	C (max)
MASTER TL5 HE 28W/865 UNP/40	17 mm	1149.0 mm	1156.1 mm	1153.7 mm	1163.2 mm

Photometric data



Lightcolor /865



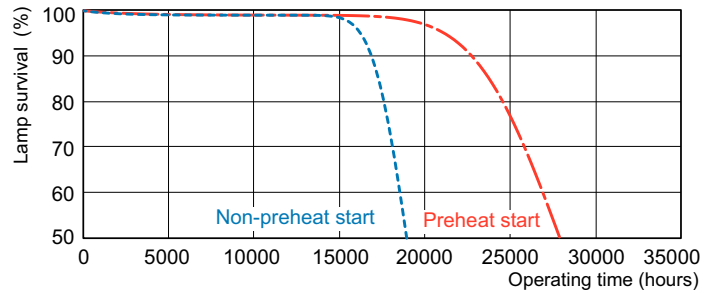
Lightcolor /865

MASTER TL5 High Efficiency

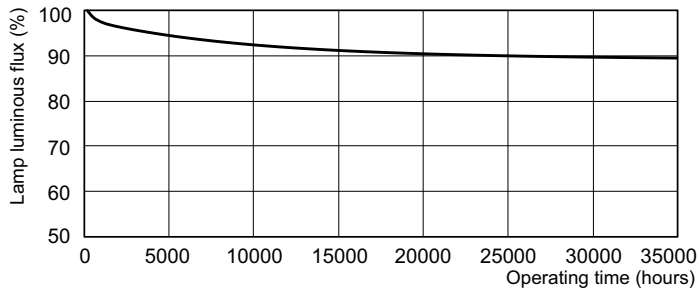
Lifetime



MASTER TL5 HE Life Expectancy 3 h cycle



MASTER TL5 HE Life Expectancy 12 h cycle



MASTER TL5 HE Lumen Maintenance 3 h + 12 h cycle

