

# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1200mm UO 16W 865 T8

The Philips MASTER LEDtube integrates a LED light source into a traditional fluorescent form factor. Its unique design creates a perfectly uniform visual appearance which cannot be distinguished from traditional fluorescent. This product is the ideal solution for up lamping in general lighting applications.

#### **Warnings and Safety**

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#### **Product data**

General Information				
Cap-Base	G13 [Medium Bi-Pin Fluorescent]			
Nominal lifetime	50,000 hour(s)			
Switching Cycle	200,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Color Code	865 [CCT of 6500K]			
Beam Angle (Nom)	160 degree(s)			
Luminous Flux	2,500 lm			
Color Designation	Cool Daylight			
Correlated Color Temperature (Nom)	6500 K			
Luminous Efficacy (rated) (Nom)	156.00 lm/W			
Color Consistency	<6			
Color rendering index (CRI)	83			

LLMF At End Of Nominal Lifetime (Nom) 70 %				
Operating and Electrical				
Line Frequency	50 to 60 Hz			
Input Frequency	50 to 60 Hz			
Power Consumption	16 W			
Lamp Current (Max)	75 mA			
Lamp Current (Min)	68 mA			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	220-240 V			
	<u> </u>			
Temperature	<u> </u>			
Ambient temperature range	-20 °C to 35 °C			
T-Case Maximum (Nom)	55 ℃			

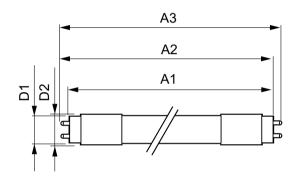
Datasheet, 2023, April 29 data subject to change

## **MASTER LEDtube EM/Mains T8**

Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	1,200 mm			
Bulb Shape	T8			
Approval and Application				
Energy Saving Product	Yes			
Approval Marks	TUV CE marking RoHS compliance KEMA Keu			
	certificate			
Energy Consumption kWh/1000 h	16 kWh			

Product Data				
Order product name	MAS LEDtube 1200mm UO 16W 865 T8			
Full product name	MAS LEDtube 1200mm UO 16W 865 T8			
Full product code	871869668740600			
Order code	929001298002			
Material Nr. (12NC)	929001298002			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718696687406			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718696687413			

## Dimensional drawing

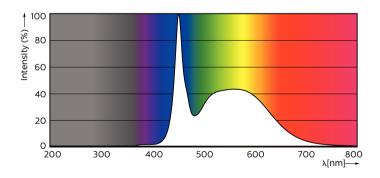


Product	D1	D2	A1	A2	А3
MAS LEDtube 1200mm UO 16W	25.78 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
865 T8					

## Photometric data



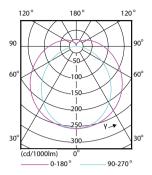
General uniform lighting - MAS LEDtube 1200mm UO 16W 865 T8



Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 16W 865 T8

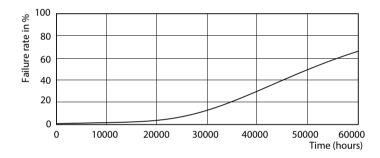
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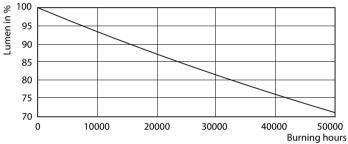
#### Photometric data



Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 865 T8

#### Lifetime





Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 865 T8

Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 16W 865 T8



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