



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 lighting in general lighting applications.

Warnings and Safety

- NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.

Product data

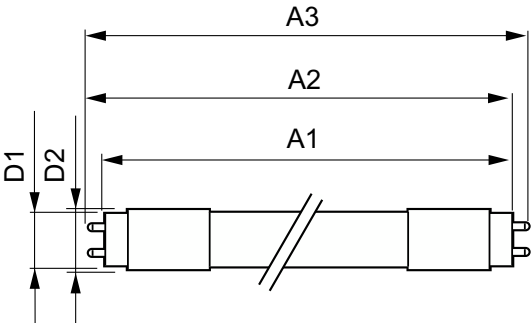
General Information		LLMF At End Of Nominal Lifetime (Nom) 70 %	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]		
Nominal lifetime	50000 hour(s)		
Switching Cycle	200000		
Lighting Technology	LED		
EU RoHS compliant	Yes		
Light Technical		Operating and Electrical	
Color Code	865 [CCT of 6500K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	160 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	2500 lm	Power Consumption	16 W
Color Designation	Cool Daylight	Lamp Current (Max)	75 mA
Correlated Color Temperature (Nom)	6500 K	Lamp Current (Min)	68 mA
Luminous Efficacy (rated) (Nom)	156.00 lm/W	Starting Time (Nom)	0.5 s
Color Consistency	<lt/>6	Warm-up time to 60% light	0.5 s
Color rendering index (CRI)	83	Power Factor (Fraction)	0.9
		Voltage (Nom)	220-240 V
		Temperature	
		Ambient temperature range	-20 °C to 35 °C
		T-Case Maximum (Nom)	55 °C

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Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1200 mm
Bulb Shape	T8
Approval and Application	
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh

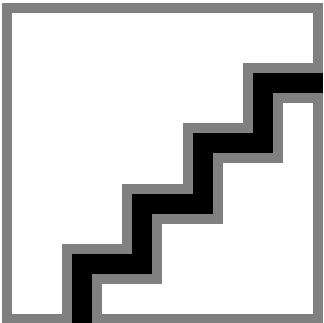
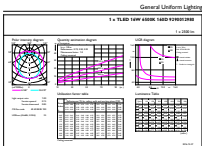
Product Data	
Order product name	MAS LEDtube 1200mm UO 16W 865 T8
Full product name	MAS LEDtube 1200mm UO 16W 865 T8
Full product code	871869668740600
Order code	929001298002
Material Nr. (12NC)	929001298002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696687406
Numerator - Packs per outer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

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 16W 865 T8	25.78 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm

Photometric data

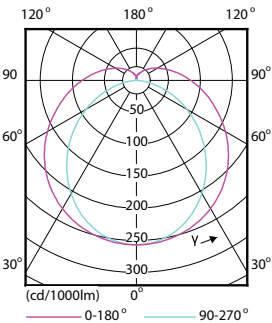


General uniform lighting - MAS LEDtube 1200mm UO 16W 865 T8

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

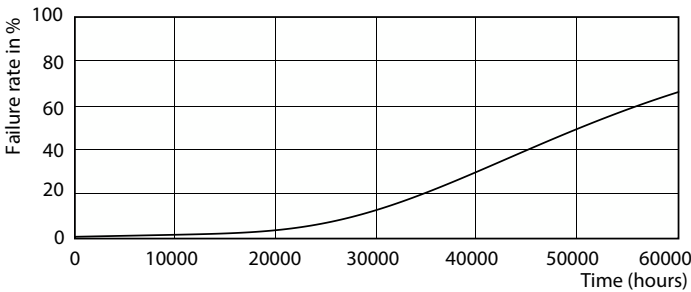
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Photometric data

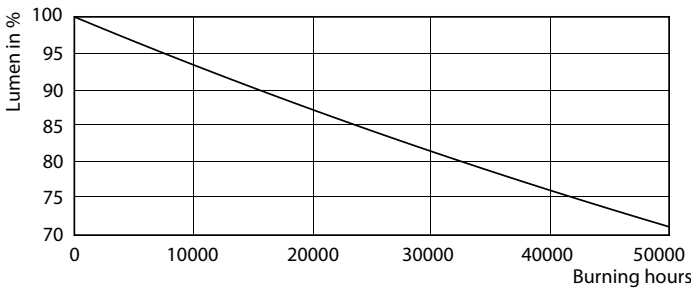


Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 865 T8

Lifetime



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



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

