



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm UO 16W 830 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. These T8 LED tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings thanks to low energy consumption and an exceptionally long lifetime ensure this tube masters every demanding application.

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.

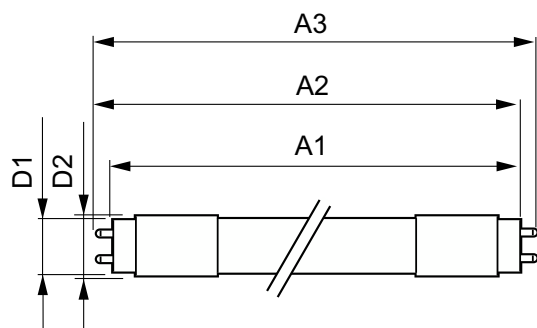
Product data

General Information		Color Consistency	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Color rendering index (CRI)	<6
Nominal lifetime	50,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	70 %
Switching Cycle	200,000	Operating and Electrical	
Lighting Technology	LED	Line Frequency	50 to 60 Hz
EU RoHS compliant	Yes	Input Frequency	50 to 60 Hz
Light Technical		Power Consumption	16 W
Color Code	830 [CCT of 3000K]	Lamp Current (Max)	75 mA
Beam Angle (Nom)	160 degree(s)	Lamp Current (Min)	68 mA
Luminous Flux	2,300 lm	Starting Time (Nom)	0.5 s
Color Designation	White (WH)	Warm-up time to 60% light	0.5 s
Correlated Color Temperature (Nom)	3000 K	Power Factor (Fraction)	0.9
Luminous Efficacy (rated) (Nom)	143.00 lm/W		

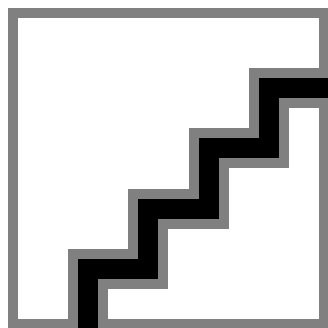
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Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 35 °C
T-Case Maximum (Nom)	55 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	T8
Approval and Application	
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate

Dimensional drawing



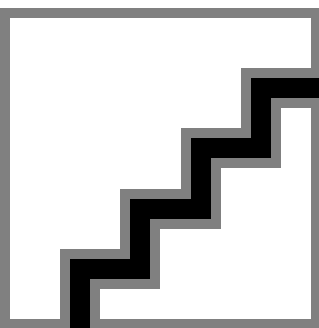
Photometric data



General uniform lighting - MAS LEDtube 1200mm UO 16W 830 T8

Energy Consumption kWh/1000 h	16 kWh
Product Data	
Order product name	MAS LEDtube 1200mm UO 16W 830 T8
Full product name	MAS LEDtube 1200mm UO 16W 830 T8
Full product code	871869668736900
Order code	929001297802
Material Nr. (12NC)	929001297802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696687369
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696687376

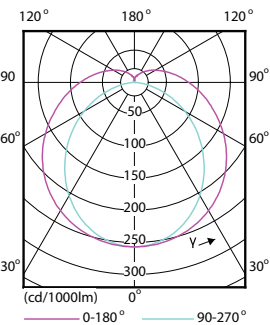
Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 16W 830 T8	25.78 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm



Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 16W 830 T8

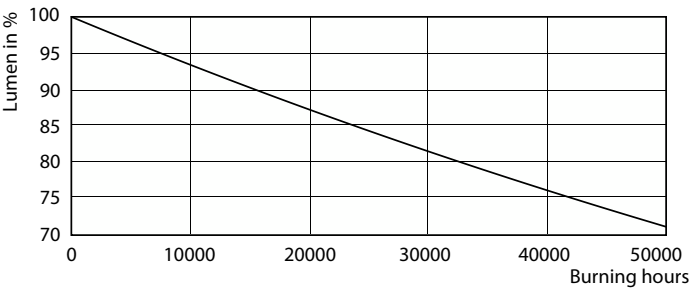
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Photometric data



Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 830 T8

Lifetime



Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 830 T8

Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 16W 830 T8

