



MASTER LEDtube EM/ Mains

MASTER 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. This product is the ideal solution for up lighting 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 h
Switching Cycle	200,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	160 degree(s)
Luminous Flux	2,300 lm
Colour designation	White (WH)
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	143.00 lm/W
Colour consistency	<6
Colour rendering index (CRI)	83
LLMF at end of nominal lifetime (nom.)	70 %

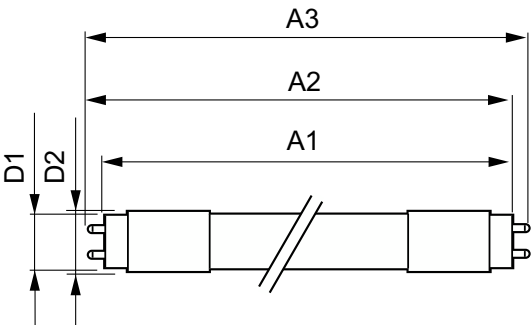
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	16 W
Lamp current (max.)	75 mA
Lamp current (min.)	68 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	220-240 V
Temperature	
Ambient temperature range	-20°C to 35°C
T-Case maximum (nom.)	55 °C
Controls and Dimming	
Dimmable	No

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Mechanical and Housing	
Product length	1,200 mm
Approval and Application	
Energy-saving product	Yes
Approval marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	16 kWh
Product Data	
Order product name	MAS LEDtube 1200mm UO 16W 830 T8

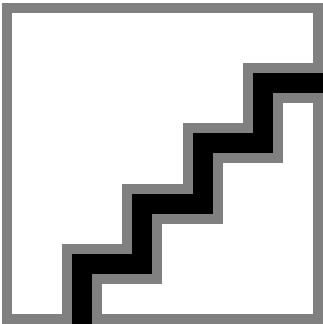
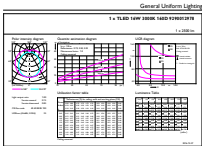
Full product name	MASTER LEDtube 1200mm UO 16W 830 T8
Full EOC	871869668736900
Order code	68736900
Material no. (12 NC)	929001297802
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696687369
Numerator – packs per outer box	10
EAN/UPC – Case	8718696687376

Dimensional drawing



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

Photometric data

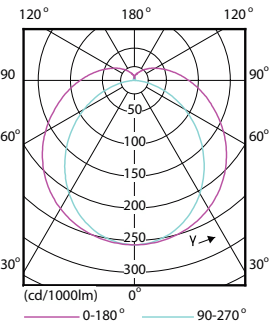


General uniform lighting - MAS LEDtube 1200mm UO 16W 830 T8

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

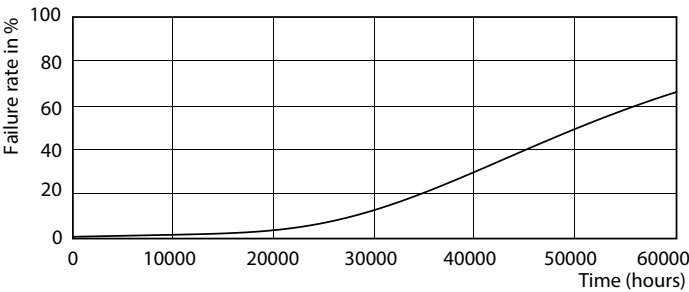
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Photometric data

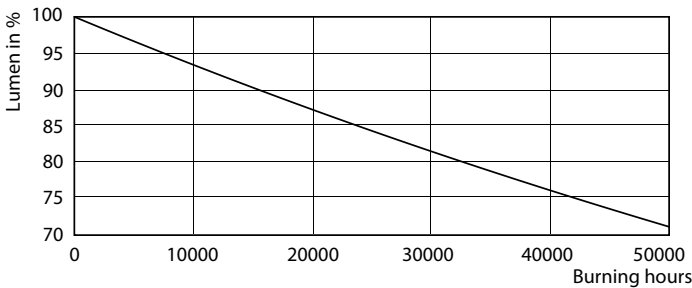


Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 830 T8

Lifetime



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



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

