



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm UO 16W 830 T8 FF RCA

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	
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	830 [CCT of 3000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,300 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	143.00 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

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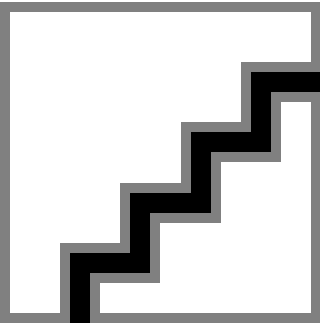
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate

Dimensional drawing

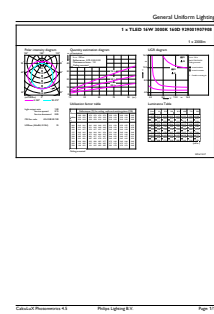
Energy Consumption kWh/1000 h	16 kWh
Product Data	
Order product name	MAS LEDtube 1200mm UO 16W 830 T8 FF RCA
Full product name	MAS LEDtube 1200mm UO 16W 830 T8 FF RCA
Full product code	871869681799500
Order code	929001907908
Material Nr. (12NC)	929001907908
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696817995
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696818008

Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 16W 830 T8 FF RCA	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,198.2 mm

Photometric data



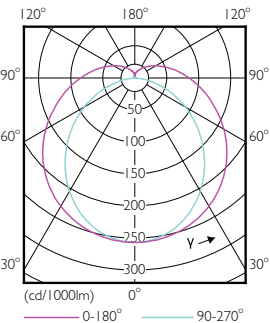
Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 16W 830 T8 FF RCA



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

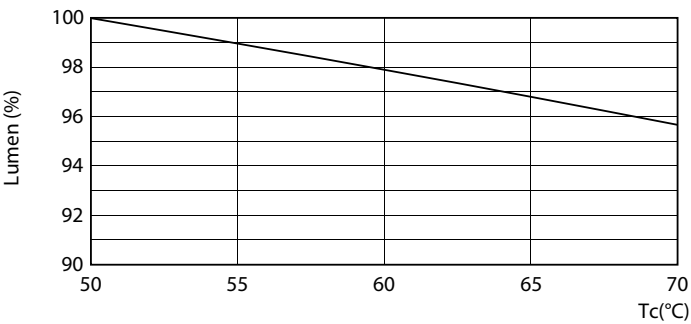
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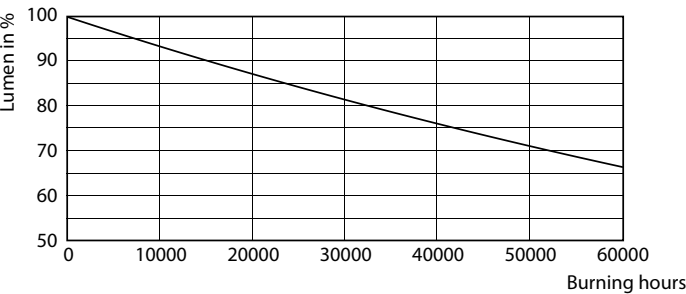
Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 830 T8 FF RCA

Lifetime



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

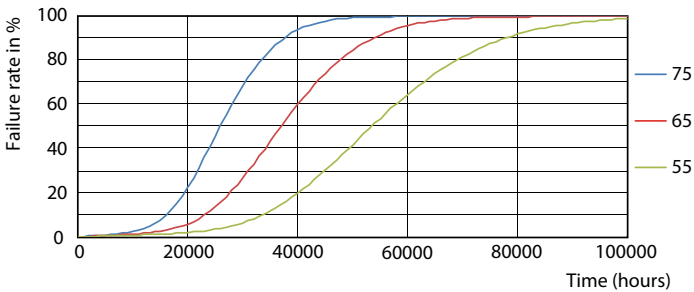
Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 830 T8 FF RCA



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