



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm UO 16W 830 T8 G I

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)	83
Switching Cycle	200,000		70 %
Lighting Technology	LED	Operating and Electrical	
EU RoHS compliant	Yes	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
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		

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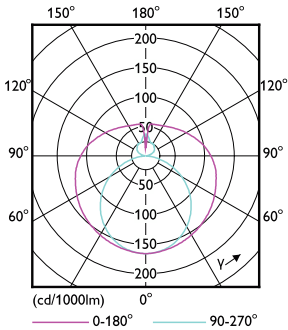
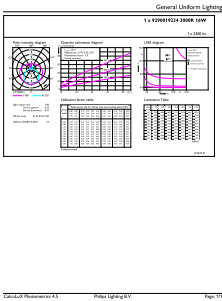
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS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

Energy Consumption kWh/1000 h	16 kWh
Product Data	
Order product name	MAS LEDtube 1200mm UO 16W 830 T8 G I
Full product name	MAS LEDtube 1200mm UO 16W 830 T8 G I
Full product code	871869963295300
Order code	929001923432
Material Nr. (12NC)	929001923432
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699632953
Numerator - Packs per outer box	20
EAN/UPC - Case	8718699632960

Dimensional drawing

Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 16W 830 T8 G I	25.8 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 G I

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

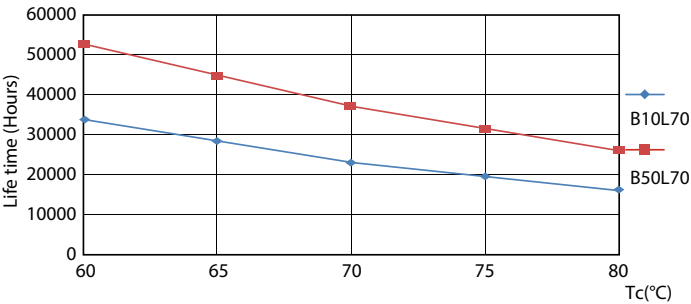
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Photometric data

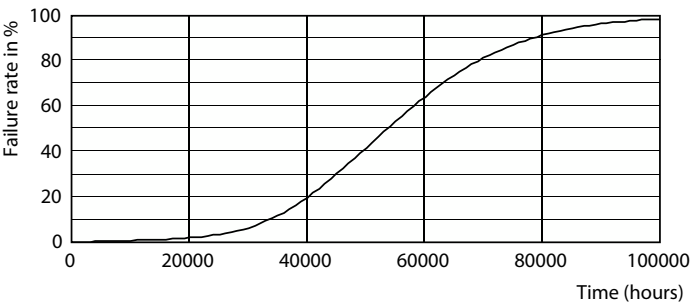


Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 16W 830 T8 G I

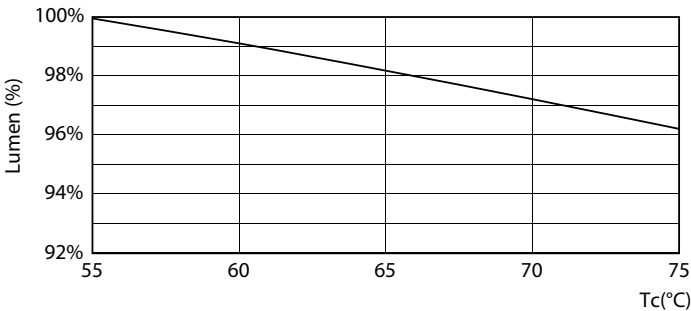
Lifetime



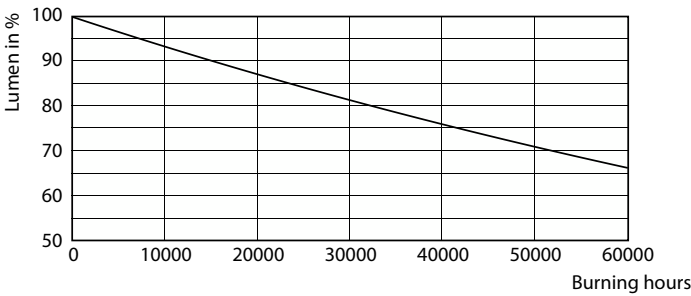
Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 830 T8 G I



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



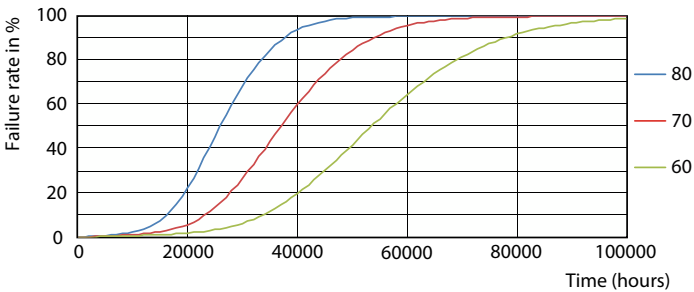
Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 16W 830 T8 G I



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Lifetime



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