



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm UO 16W 840 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		Operating and Electrical	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Line Frequency	50 to 60 Hz
Nominal lifetime	50,000 hour(s)	Input Frequency	50 to 60 Hz
Switching Cycle	200,000	Power Consumption	16 W
Lighting Technology	LED	Lamp Current (Max)	75 mA
EU RoHS compliant	Yes	Lamp Current (Min)	68 mA
Light Technical		Starting Time (Nom)	0.5 s
Color Code	840 [CCT of 4000K]	Warm-up time to 60% light	0.5 s
Beam Angle (Nom)	160 degree(s)	Power Factor (Fraction)	0.9
Luminous Flux	2,500 lm	Voltage (Nom)	220-240 V
Color Designation	Cool White (CW)	Temperature	
Correlated Color Temperature (Nom)	4000 K	Ambient temperature range	-20 °C to 35 °C
Luminous Efficacy (rated) (Nom)	156.00 lm/W	T-Case Maximum (Nom)	55 °C
Color Consistency	<6	Controls and Dimming	
Color rendering index (CRI)	83	Dimmable	No
LLMF At End Of Nominal Lifetime (Nom)	70 %		

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Mechanical and Housing

Product Length	1,200 mm
Bulb Shape	T8

Approval and Application

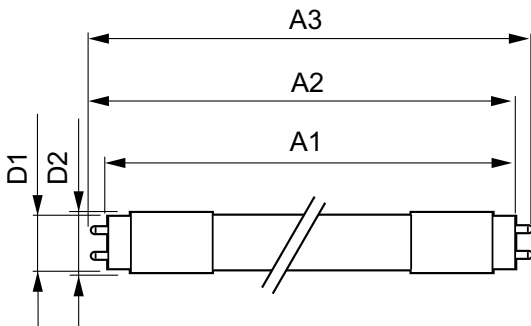
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh

Product Data

Order product name	MAS LEDtube 1200mm UO 16W 840 T8
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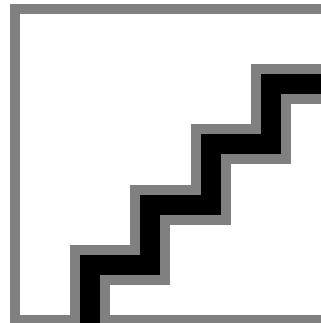
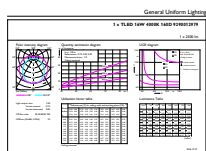
Full product name	MAS LEDtube 1200mm UO 16W 840 T8
Full product code	871869668738300
Order code	929001297902
Material Nr. (12NC)	929001297902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696687383
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696687390

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 16W 840 T8	25.78 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data

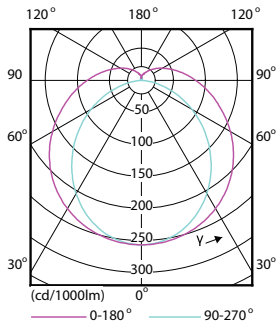


General uniform lighting - MAS LEDtube 1200mm UO 16W 840 T8

Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 16W 840 T8

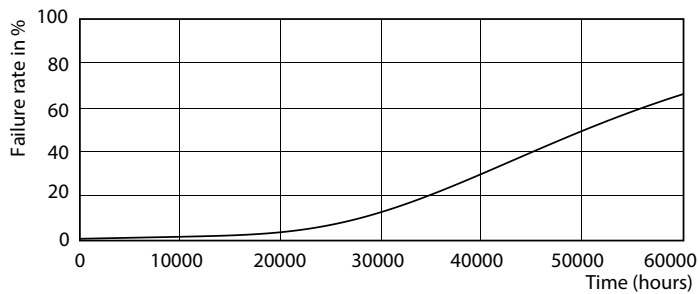
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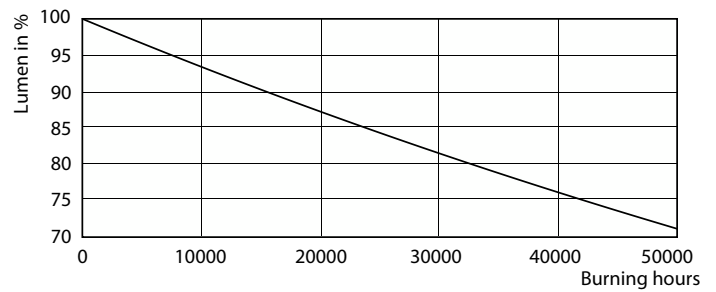


Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 840 T8

Lifetime



Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 840 T8



Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 16W 840 T8

