PHILIPS

Lighting

MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm UO 16W 865 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 lamping 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 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	156.00 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
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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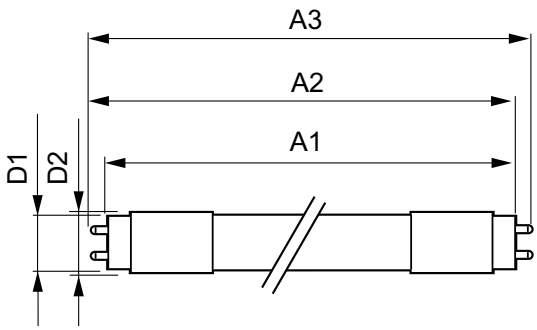
Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	T8

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 865 T8

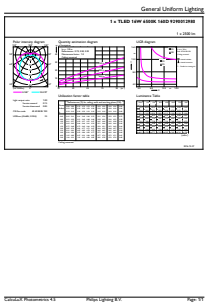
Full product name	MAS LEDtube 1200mm UO 16W 865 T8
Full product code	871869668740600
Order code	929001298002
Material Nr. (12NC)	929001298002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696687406
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696687413

Dimensional drawing

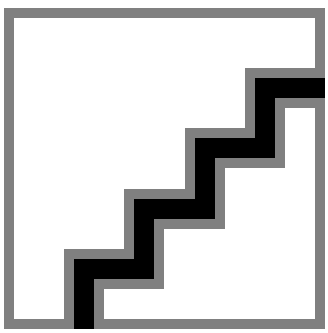


Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 16W 865 T8	25.78 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data



General uniform lighting - MAS LEDtube 1200mm UO 16W 865 T8



Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 16W 865 T8

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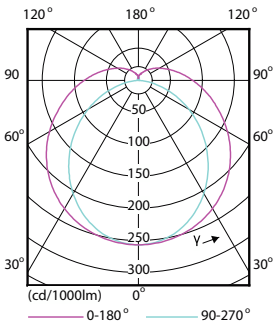
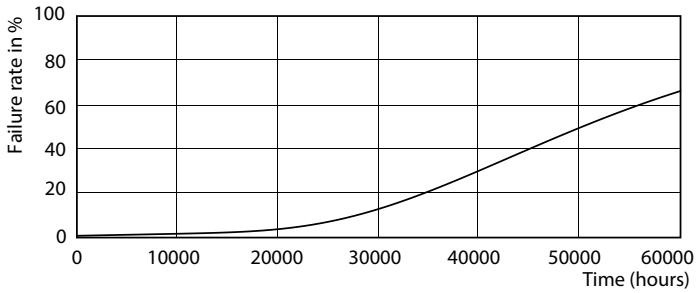
Photometric data

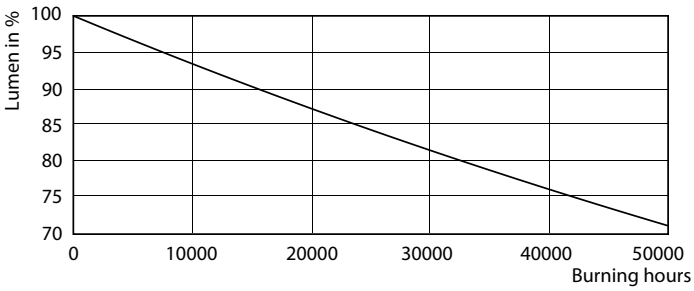


Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 865 T8

Lifetime



Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 865 T8



Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 16W 865 T8

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