



MASTER LEDtube EM/ Mains T8

MASTER LEDtube 1200mm UO 16W 865 T8 G

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. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

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

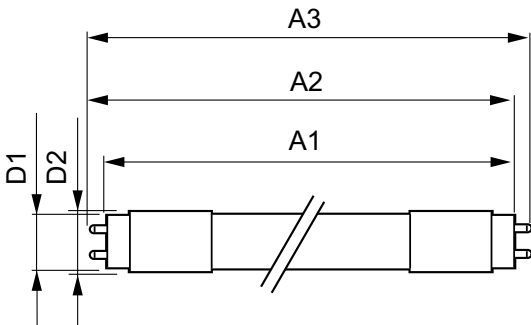
LLMF At End Of Nominal Lifetime (Nom) 70 %	
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	16 W
Lamp Current (Max)	75 mA
Lamp Current (Min)	68 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C

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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

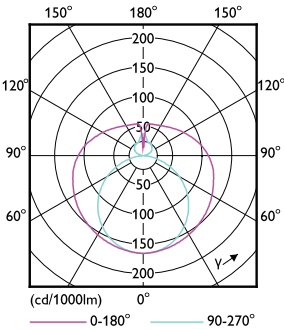
Product Data	
Order product name	MAS LEDtube 1200mm UO 16W 865 T8 G
Full product name	MASTER LEDtube 1200mm UO 16W 865 T8 G
Full product code	871869959508100
Order code	59508100
Material Nr. (12NC)	929001923602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699595081
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699595098

Dimensional drawing

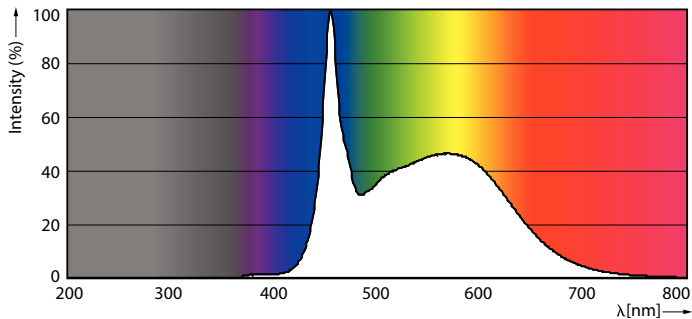


Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm UO 16W 865 T8 G	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data



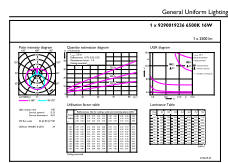
Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 865 T8 G



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

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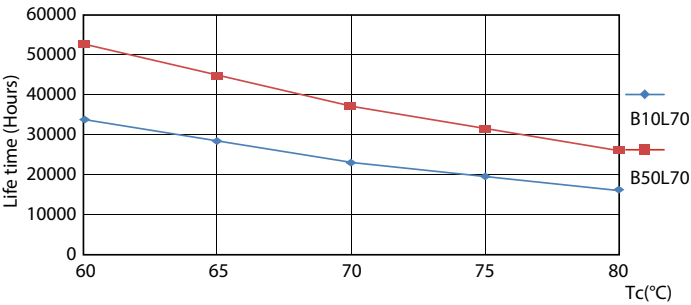
Photometric data



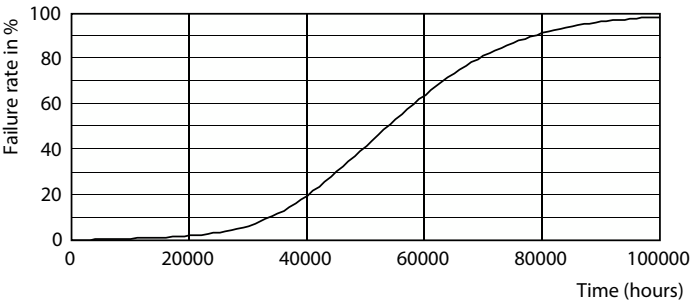
General uniform lighting - MAS LEDtube 1200mm UO 16W 865 T8 G

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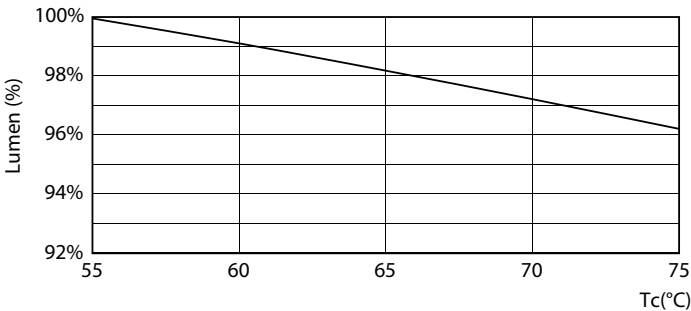
Lifetime



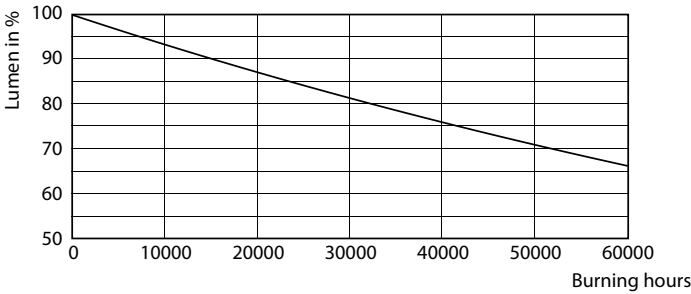
Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 865 T8 G



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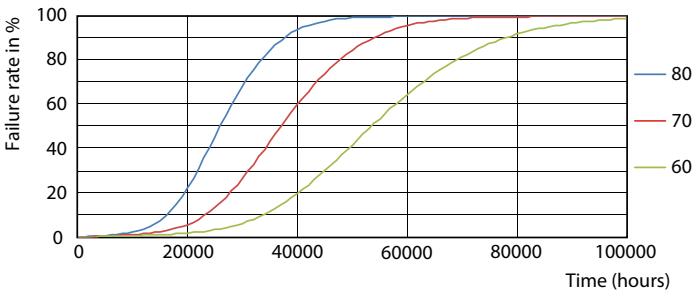
Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 16W 865 T8 G



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Lifetime



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