



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm UO 16W 865 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		Color Consistency	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Color Consistency	<6
Nominal lifetime	50,000 hour(s)	Color rendering index (CRI)	83
Switching Cycle	200,000	LLMF At End Of Nominal Lifetime (Nom)	70 %
Lighting Technology	LED	Operating and Electrical	
EU RoHS compliant	Yes	Line Frequency	50 to 60 Hz
Light Technical		Input Frequency	50 to 60 Hz
Color Code	865 [CCT of 6500K]	Power Consumption	16 W
Beam Angle (Nom)	160 degree(s)	Starting Time (Nom)	0.5 s
Luminous Flux	2,500 lumen	Warm-up time to 60% light	0.5 s
Color Designation	Cool Daylight	Power Factor (Fraction)	0.9
Correlated Color Temperature (Nom)	6500 K	Voltage (Nom)	220-240 V
Luminous Efficacy (rated) (Nom)	156.00 lm/W		

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Temperature

Ambient temperature range	-20 °C to 45 °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	Tube, double-ended

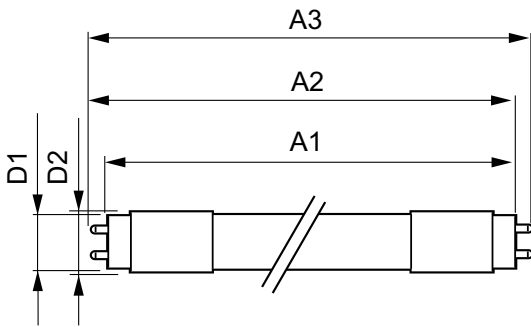
Approval and Application

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

Product Data

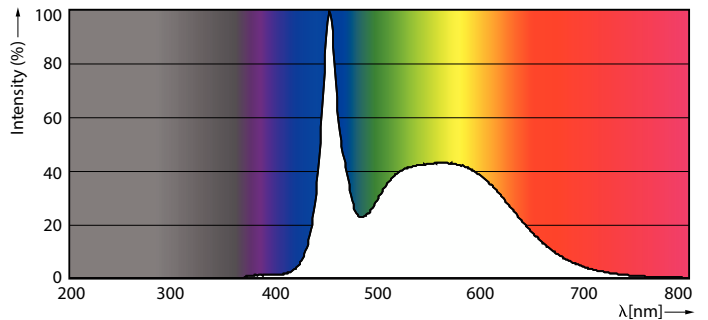
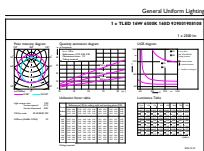
Full product code	871869681803900
Order product name	MAS LEDtube 1200mm UO 16W 865 T8 FF RCA
Order code	929001908108
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001908108
Full product name	MAS LEDtube 1200mm UO 16W 865 T8 FF RCA
EAN/UPC - Case	8718696818046
EAN/UPC - Product/Case	8718696818039

Dimensional drawing



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

Photometric data

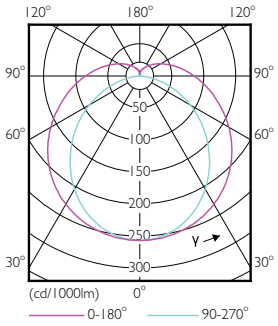


General uniform lighting - MAS LEDtube 1200mm UO 16W 865 T8 FF RCA

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

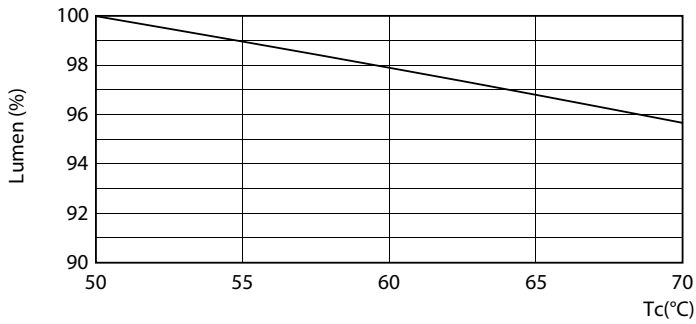
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Photometric data

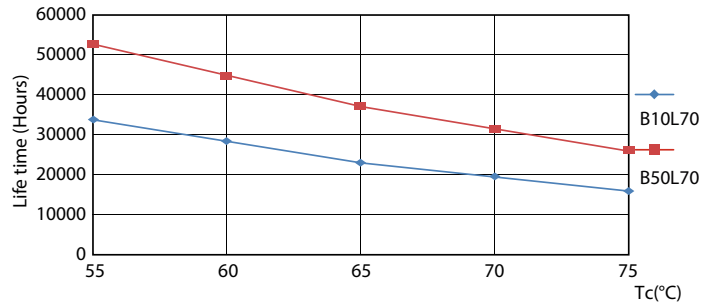


Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 865 T8 FF RCA

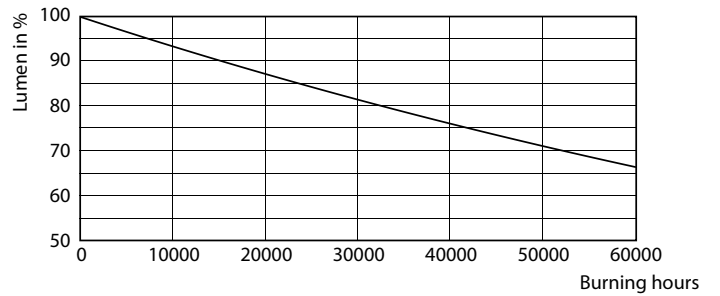
Lifetime



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



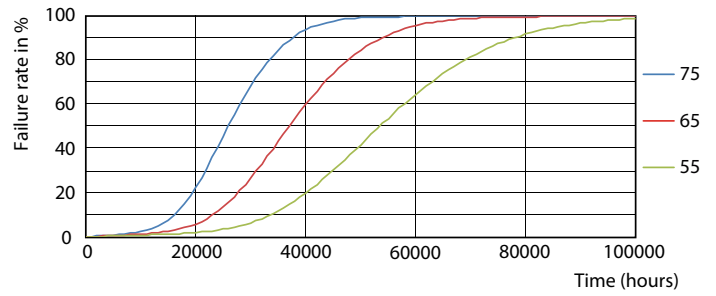
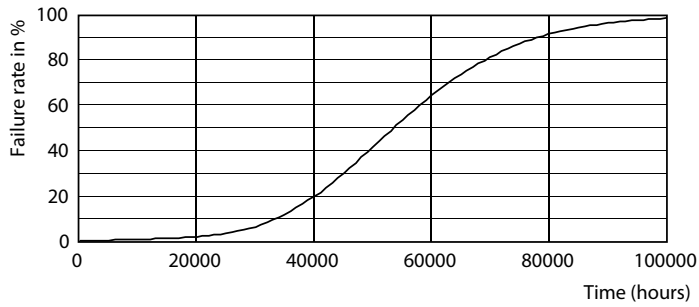
Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 865 T8 FF RCA



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Lifetime



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