



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm 15.5W865 T8 TW

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 rendering index (CRI)	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]		80
Nominal lifetime	50,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	70 %
Switching Cycle	200,000	Operating and Electrical	
Lighting Technology	LED	Line Frequency	50 to 60 Hz
Light Technical		Input Frequency	50 to 60 Hz
Color Code	865 [CCT of 6500K]	Power Consumption	15.5 W
Beam Angle (Nom)	160 degree(s)	Starting Time (Nom)	0.9 s
Luminous Flux	2,500 lumen	Warm-up time to 60% light	0.9 s
Color Designation	Cool Daylight	Power Factor (Fraction)	0.9
Correlated Color Temperature (Nom)	6500 K	Voltage (Nom)	110-277 V
Luminous Efficacy (rated) (Nom)	161 lm/W	Temperature	
Color Consistency	<6	Ambient temperature range	-20 °C to 45 °C

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T-Case Maximum (Nom)	65 °C
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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	Tube, double-ended

Approval and Application

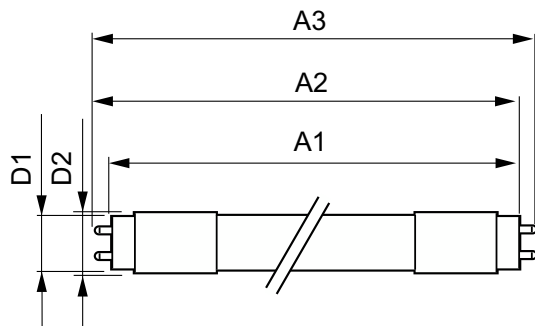
Energy Saving Product	Yes
Approval Marks	RoHS compliance

EU RoHS compliant	Yes
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Product Data

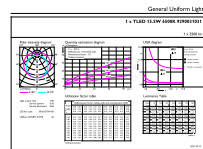
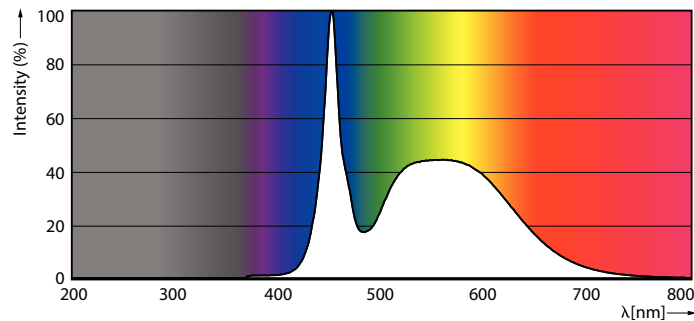
Full product code	871951439959400
Order product name	MAS LEDtube 1200mm 15.5W865 T8 TW
Order code	929003103108
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material number (12NC)	929003103108
Full product name	MAS LEDtube 1200mm 15.5W865 T8 TW
EAN/UPC - Case	8719514399600

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm 15.5W865 T8 TW	25.6 mm	27.9 mm	1,199 mm	1,205 mm	1,213 mm

Photometric data

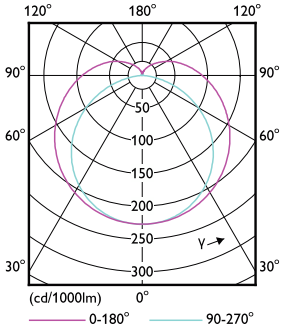


Spectral Power Distribution Colour - MAS LEDtube 1200mm 15.5W865 T8 TW

General uniform lighting - MAS LEDtube 1200mm 15.5W865 T8 TW

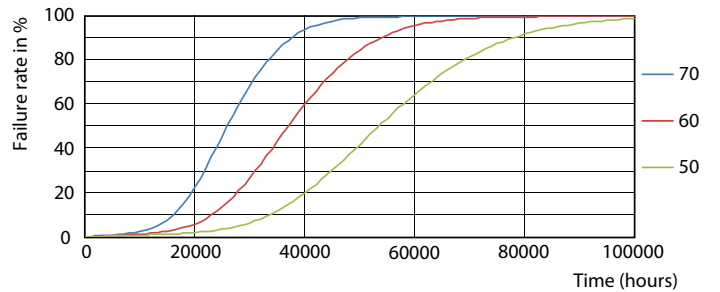
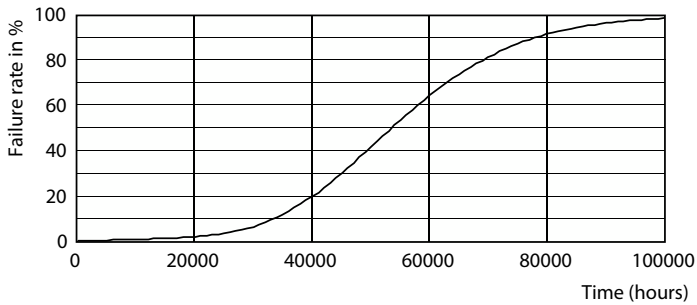
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Photometric data



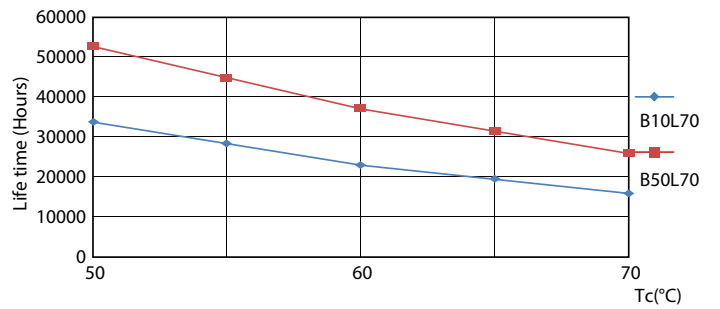
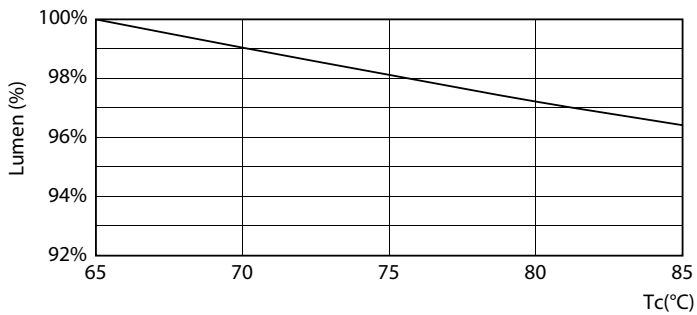
Light Distribution Diagram

Lifetime



Life Expectancy Diagram - MAS LEDtube 1200mm 15.5W865 T8 TW

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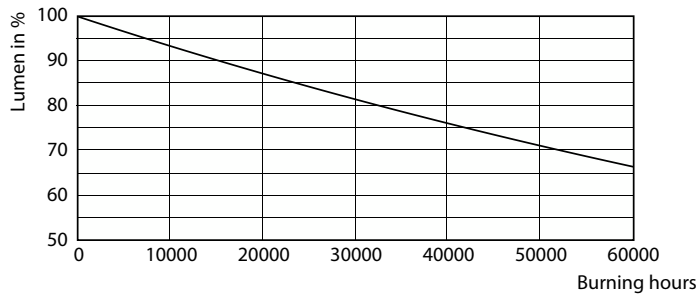


Lumen Maintenance Diagram

Life Expectancy Diagram - MAS LEDtube 1200mm 15.5W865 T8 TW

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Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1200mm 15.5W865 T8 TW

