



MASTER LEDtube EM/ Mains



MASTER LEDtube 900mm HO 12W 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 lighting in general lighting applications.

Warnings and Safety

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Product data

General Information	
Cap base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	75000 h
Switching cycle	200,000X
	Sphere

Light Technical	
Colour Code	865 [CCT of 6,500 K]
Technical Beam Angle (Nom)	160 °
Lamp Luminous Flux 25°C EL (Nom)	1575 lm
Colour Designation	Cool Daylight
Colour Temperature, horizontal (Nom)	6500 K
Lamp Luminous Efficacy EM (Nom)	131.00 lm/W
Colour consistency	<6
Colour Rendering Index,horiz (Nom)	80

LLMF at end of nominal lifetime (nom.) 70 %	
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Operating and Electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	12 W
Lamp current (max.)	60 mA
Lamp current (min.)	50 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	0.5 s
Power factor (nom.)	0.9
Voltage (Nom)	220-240 V

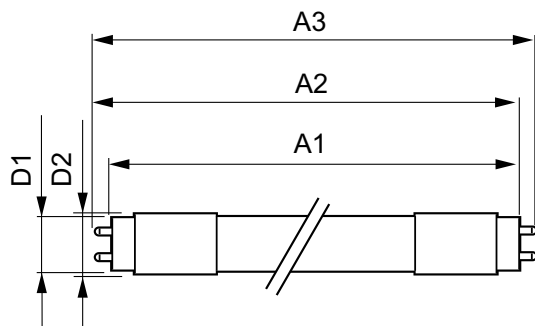
Temperature	
T-ambient (max.)	45 °C
T-ambient (min.)	-20 °C
T storage (max.)	65 °C
T storage (min.)	-40 °C

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T-Case maximum (nom.)	50 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Frosted
Bulb material	Plastic
Product length	900 mm
Bulb shape	Tube, double-ended
Approval and Application	
Energy Efficiency Class	E
Energy-saving product	Yes
Approval marks	TUV
Approval marks	RoHS compliance CE marking KEMA Keur certificate

Energy consumption kWh/1,000 hours	12 kWh
	403573
Product Data	
Full product code	871869668710900
Order product name	MASTER LEDtube 900mm HO 12W 865 T8
EAN/UPC – product	8718696687109
Order code	929001298502
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929001298502
SAP net weight (piece)	0.180 kg

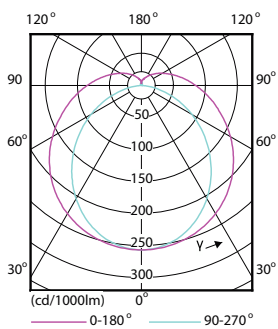
Dimensional drawing



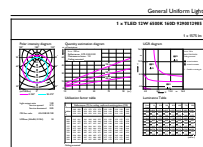
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Product	D1	D2	A1	A2	A3
MASTER LEDtube 900mm HO 12W 865 T8	25.78 mm	28 mm	893.3 mm	900.4 mm	907.5 mm

Photometric data



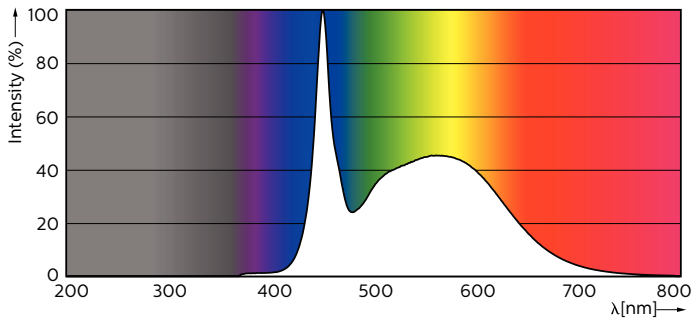
Light Distribution Diagram



General uniform lighting

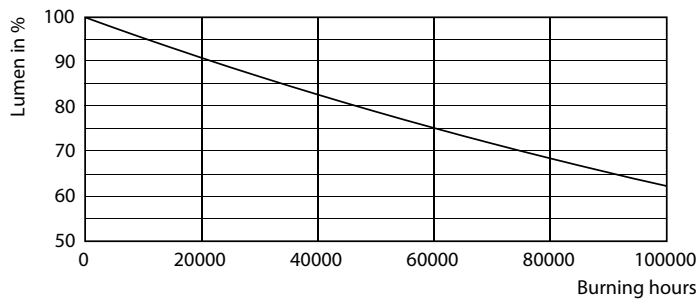
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Photometric data

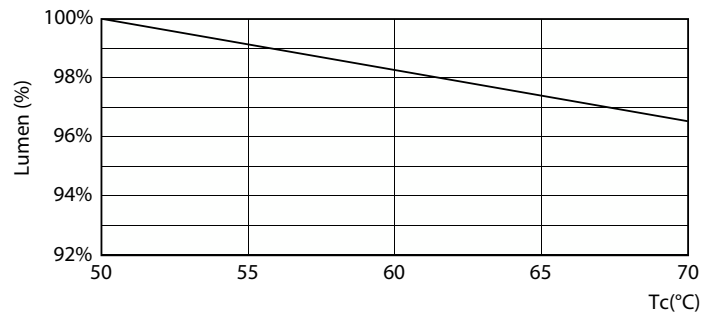


Spectral Power Distribution Colour

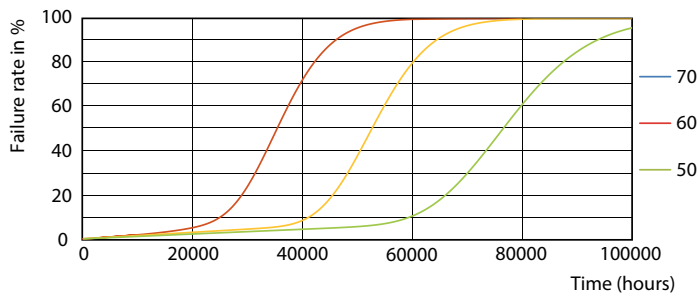
Lifetime



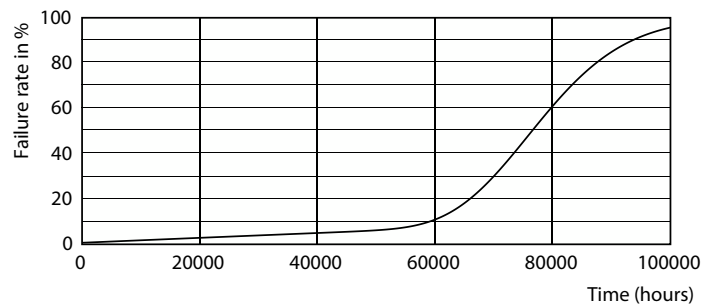
Lumen Maintenance Diagram



LumenVsTc



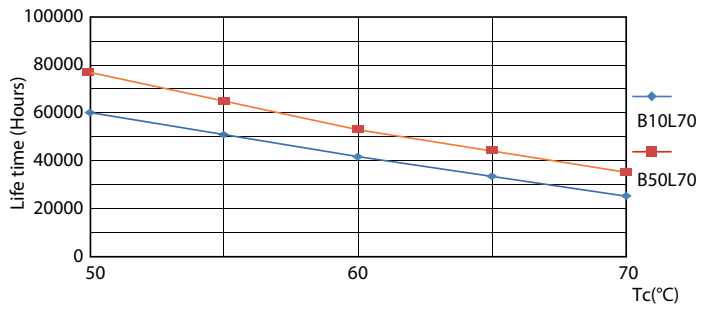
FailureRate



Life Expectancy Diagram

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Lifetime



LifetimeVsTc

