



MASTER LEDtube EM/ Mains T8

Master LEDTube 1200mm 12.5W 865 T8 W JP

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	
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	2,000 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	160.00 lm/W

Color Consistency	<6
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

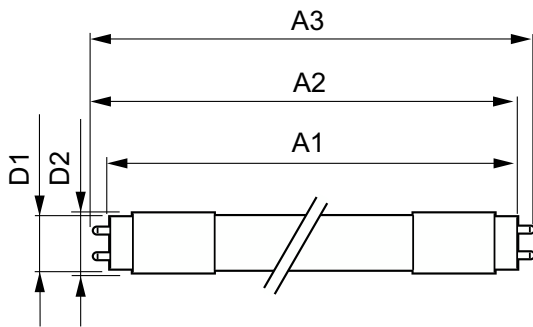
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	12.5 W
Lamp Current (Max)	128 mA
Lamp Current (Min)	55 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9

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Voltage (Nom)	100-242 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Approval and Application	
Energy Saving Product	Yes

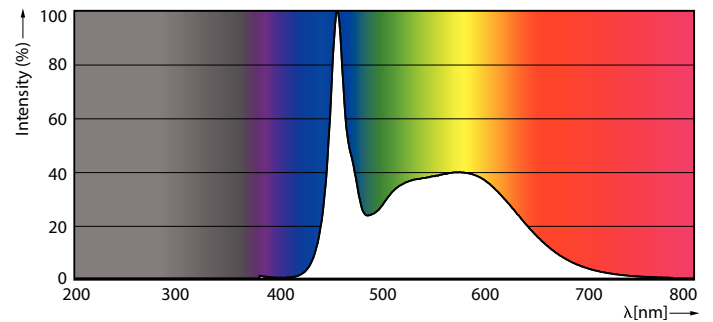
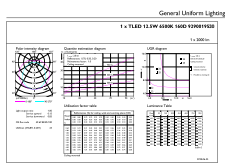
Approval Marks	RoHS compliance KEMA Keur certificate
Product Data	
Order product name	Master LEDTube 1200mm 12.5W 865 T8 W JP
Full product name	Master LEDTube 1200mm 12.5W 865 T8 W JP
Full product code	871951442184400
Order code	929001953048
Material Nr. (12NC)	929001953048
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514421844
Numerator - Packs per outer box	20
EAN/UPC - Case	8719514421851

Dimensional drawing



Product	D1	D2	A1	A2	A3
Master LEDTube 1200mm 12.5W 865 T8 W JP	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data

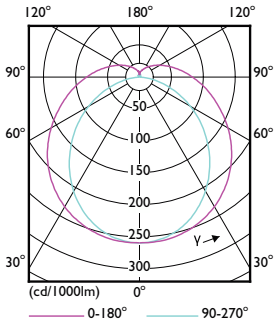


General uniform lighting - Master LEDTube 1200mm 12.5W 865 T8 W JP

Spectral Power Distribution Colour - Master LEDTube 1200mm 12.5W 865 T8 W JP

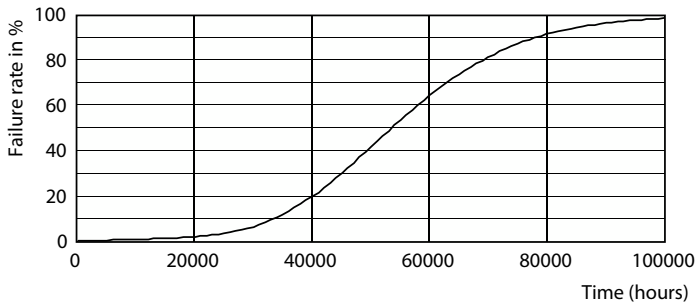
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Photometric data

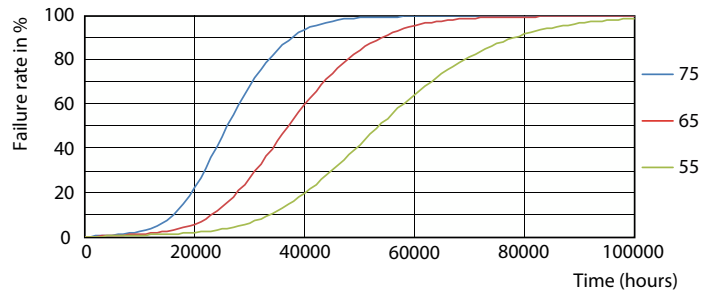


Light Distribution Diagram - Master LEDTube 1200mm 12.5W 865 T8 W JP

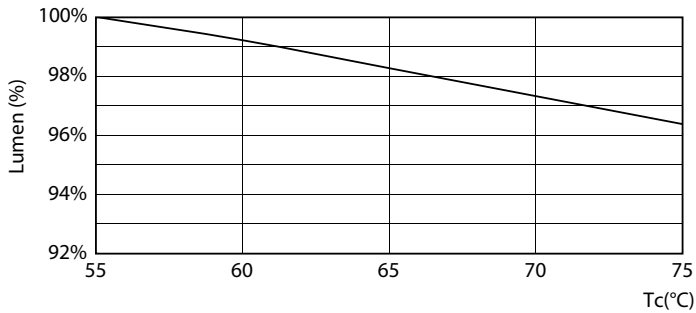
Lifetime



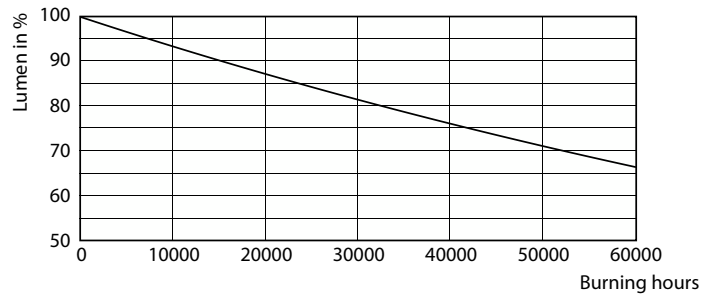
Life Expectancy Diagram - Master LEDTube 1200mm 12.5W 865 T8 W JP



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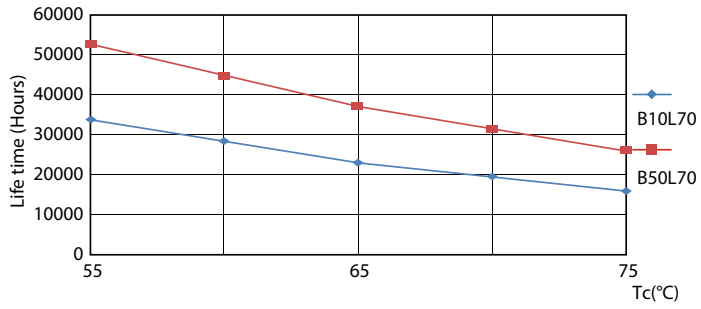
Lumen Maintenance Diagram - Master LEDTube 1200mm 12.5W 865 T8 W JP



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Lifetime



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