



MASTER LEDtube EM/ Mains T8

Master LEDTube 1200mm 20.5W 850 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]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	50000 h
Switching Cycle	200000

Light technical	
Color Code	850 [CCT of 5000K]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	3300 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	160.00 lm/W
Color Consistency	<6

Color Rendering Index (Nom)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical	
Input Frequency	50 to 60 Hz
Power (Nom)	20.5 W
Lamp Current (Max)	208 mA
Lamp Current (Min)	91 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	100-242 V

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Temperature

T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	60 °C

Controls and dimming

Dimmable	No
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Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1200 mm
Bulb Shape	Tube, double-ended

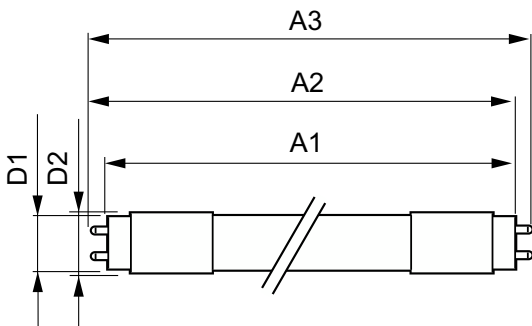
Approval and application

Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate

Product data

Full product code	871951440254600
Order product name	Master LEDTube 1200mm 20.5W 850 T8 W JP
EAN/UPC - Product	8719514402546
Order code	929002320948
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material Nr. (12NC)	929002320948
Net Weight (Piece)	0.210 kg

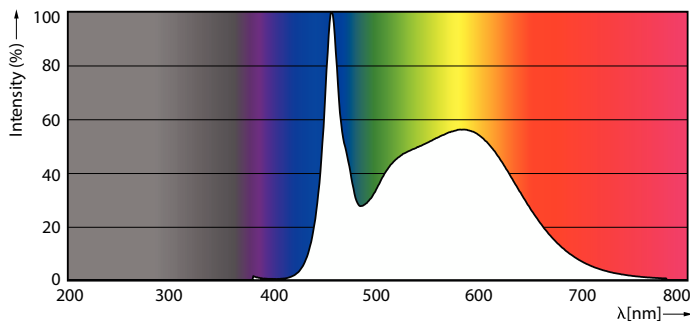
Dimensional drawing



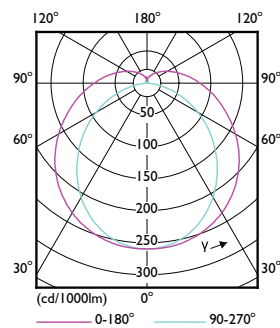
Master LEDTube 1200mm 20.5W 850 T8 W JP

Product	D1	D2	A1	A2	A3
Master LEDTube 1200mm 20.5W 850 T8 W JP	25.8 mm	27.8 mm	1198.1 mm	1205.2 mm	1212.3 mm

Photometric data



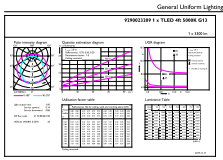
LEDtube MAS GM 20,5W G13 3300lm 850-POC



LEDtube MAS GM 8W G13 1050lm-LDD

MASTER LEDtube EM/Mains T8

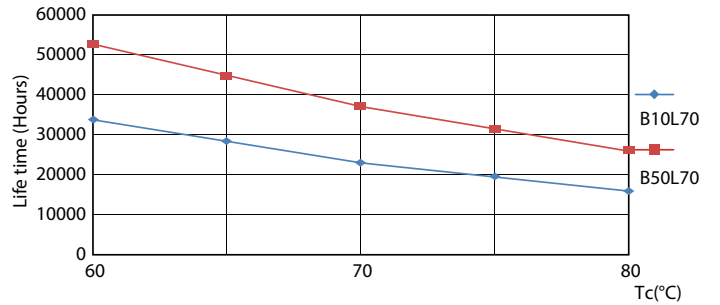
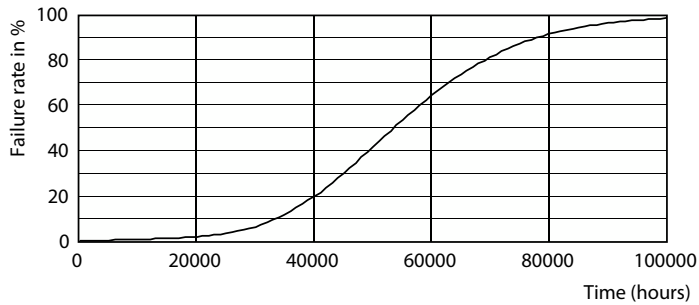
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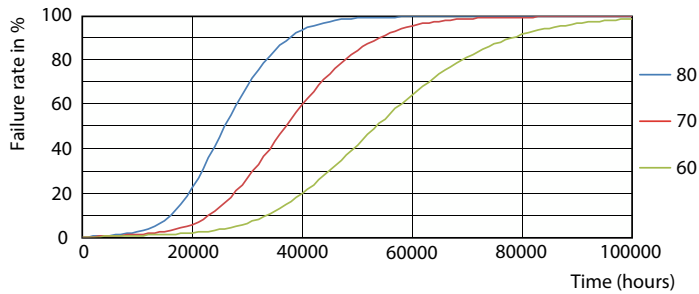
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LEDtube MAS GM 20,5W G13 3300lm 850-GUL

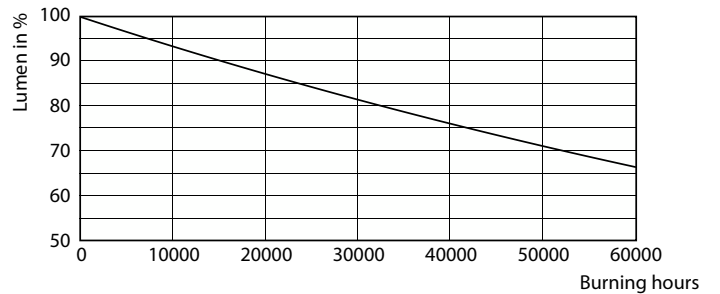
Lifetime



Life Expectancy Diagram



LifetimeVsTc

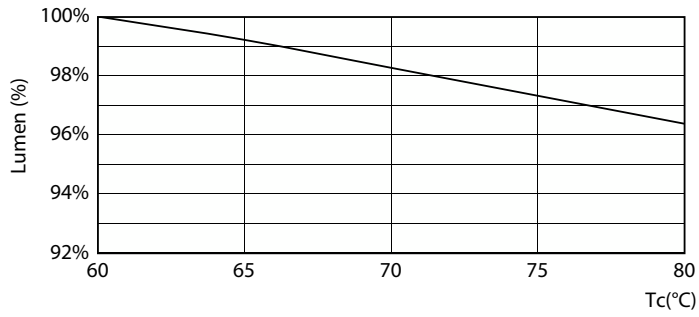


FailureRate

Lumen Maintenance Diagram

MASTER LEDtube EM/Mains T8

Lifetime



LEDtube MAS GM 20,5W 50K LumenVsTc-LMP

