



# MASTER LEDtube EM/ Mains T8

## MAS LEDtube 1200mm HO 14W830 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 [Medium Bi-Pin Fluorescent]
Nominal lifetime	60,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	190 degree(s)
Luminous Flux	2,000 lumen
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	142.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
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	14 W
Lamp Current (Nom)	70 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C

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

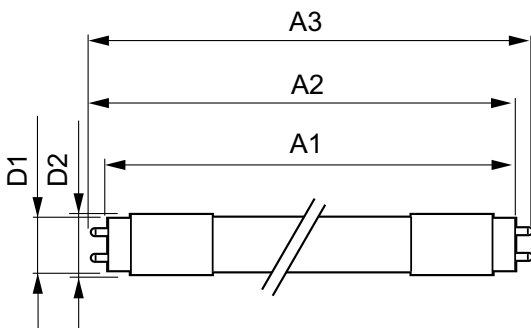
## Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance KEMA Keur certificate
EU RoHS compliant	Yes

## Product Data

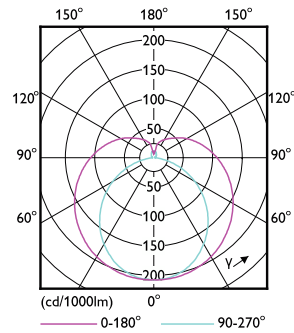
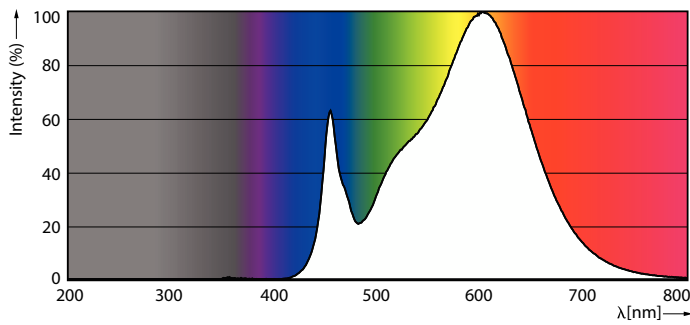
Full product code	871951446846700
Order product name	MAS LEDtube 1200mm HO 14W830 T8
Order code	929003556008
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	20
Material number (12NC)	929003556008
Full product name	MAS LEDtube 1200mm HO 14W830 T8
EAN/UPC - Case	8719514468474

## Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 14W830 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

## Photometric data

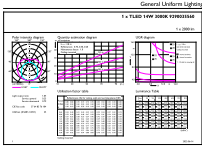


Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 14W830 T8

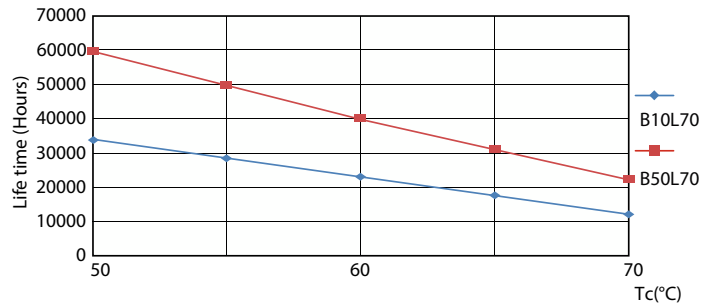
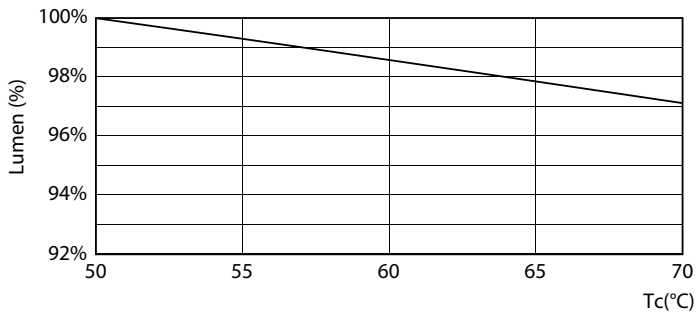
Light Distribution Diagram - MAS LEDtube 1200mm HO 14W830 T8

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## Photometric data

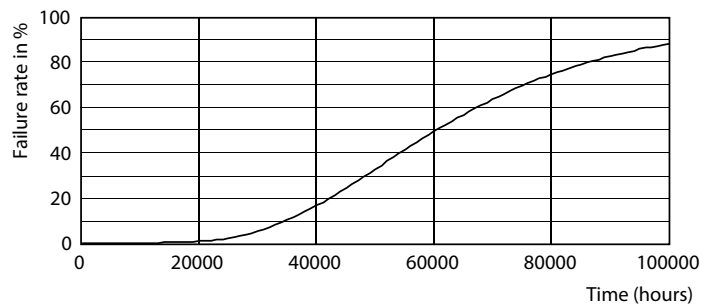
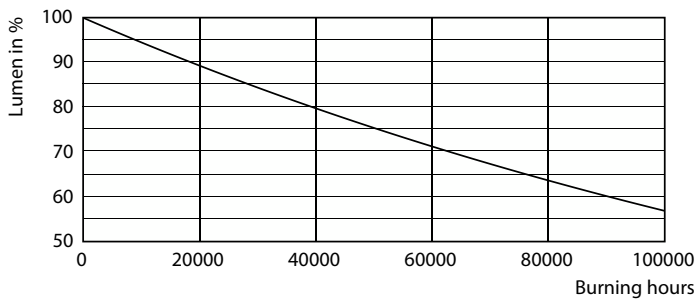


## Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 14W830 T8

Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W830 T8

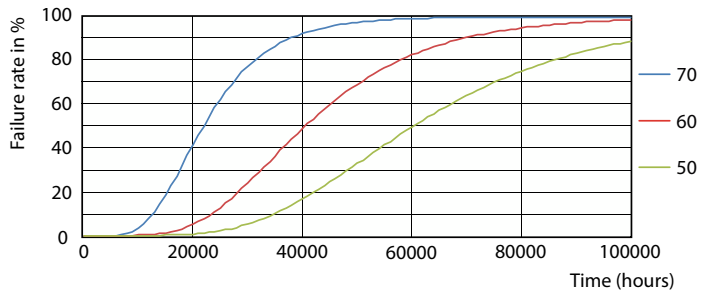


Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 14W830 T8

Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W830 T8

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Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W830 T8

