PHILIPS

Lighting



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 lamping in general lighting applications.

Warnings and Safety

- -
- -

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	830 [CCT of 3000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,000 lm
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)	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	14 W
Lamp Current (Max)	72 mA
Lamp Current (Min)	59 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)	35 °C

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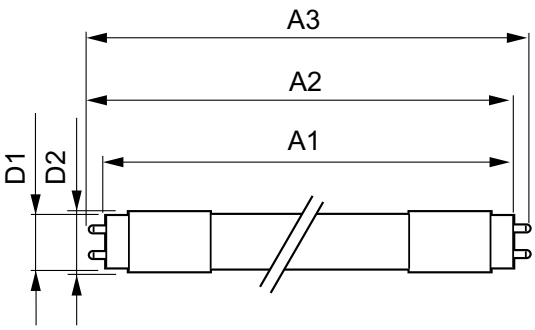
Controls and Dimming	
Dimmable	No

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
Energy Consumption kWh/1000 h	14 kWh

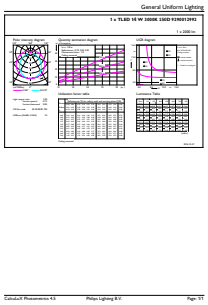
Product Data	
Order product name	MAS LEDtube 1200mm HO 14W830 T8
Full product name	MAS LEDtube 1200mm HO 14W830 T8
Full product code	871869668724600
Order code	929001299208
Material Nr. (12NC)	929001299208
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696687246
Numerator - Packs per outer box	10
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Dimensional drawing

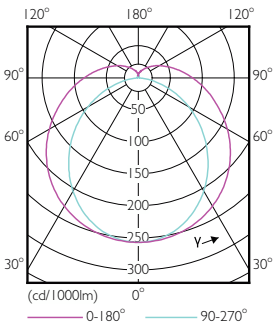


Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 14W830 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data



General uniform lighting - MAS LEDtube 1200mm HO 14W830 T8



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

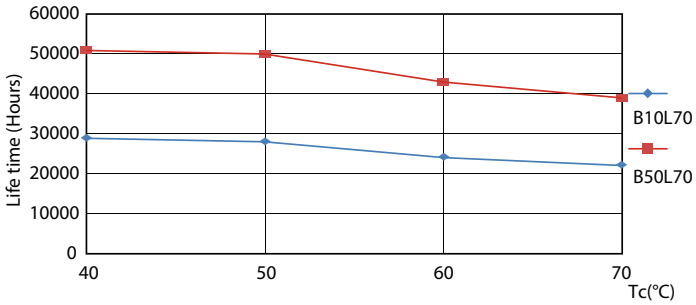
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Photometric data

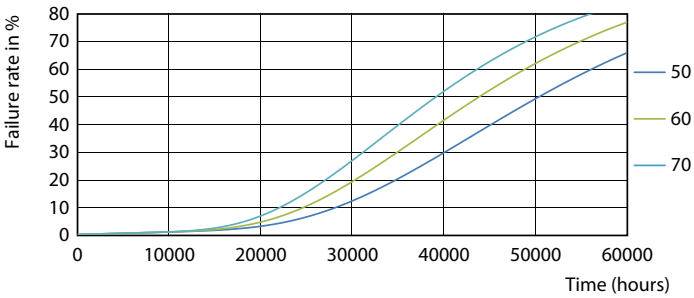


Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 14W830 T8

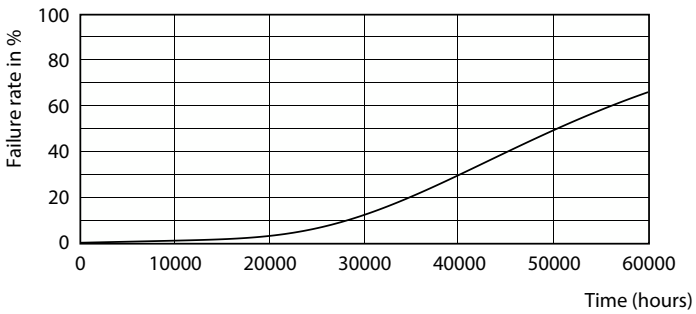
Lifetime



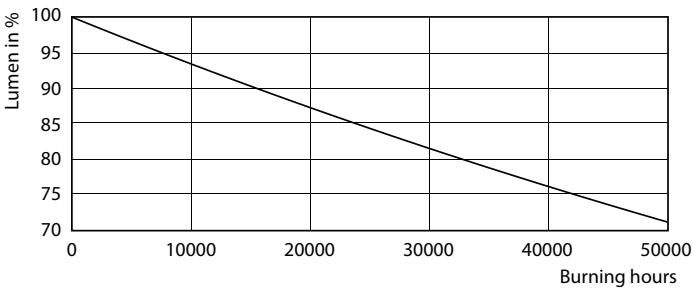
Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W830 T8



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



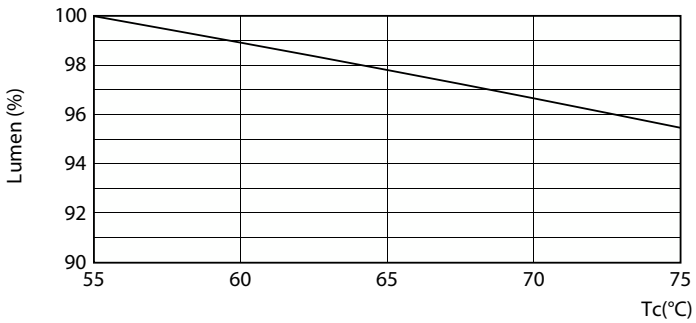
Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W830 T8



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

MASTER LEDtube EM/Mains T8

Lifetime



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

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