



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm HO 14W840 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

- 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		Operating and Electrical	
Lighting Technology	LED	Line Frequency	50 to 60 Hz
Switching Cycle	200,000	Input Frequency	50 to 60 Hz
Nominal lifetime	50,000 hour(s)	Power Consumption	14 W
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Starting Time (Nom)	0.5 s
Light Technical		Warm-up time to 60% light	0.5 s
Color Code	840 [CCT of 4000K]	Power Factor (Fraction)	0.9
Beam Angle (Nom)	160 degree(s)	Voltage (Nom)	220-240 V
Luminous Flux	2,100 lumen	Temperature	
Color Designation	Cool White (CW)	Ambient temperature range	-20 °C to 45 °C
Correlated Color Temperature (Nom)	4000 K	T-Case Maximum (Nom)	35 °C
Luminous Efficacy (rated) (Nom)	150.00 lm/W	Controls and Dimming	
Color Consistency	<6	Dimmable	No
Color rendering index (CRI)	83		
LLMF At End Of Nominal Lifetime (Nom)	70 %		

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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	Tube, double-ended

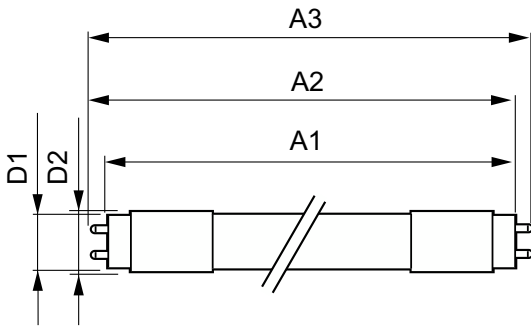
Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	14 kWh
EU RoHS compliant	Yes

Product Data

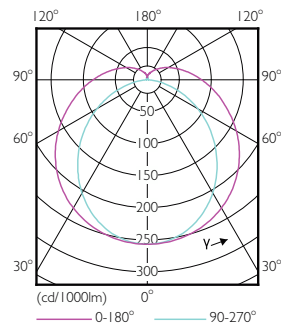
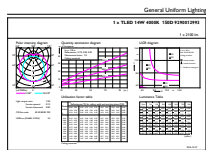
Full product code	871869668726000
Order product name	MAS LEDtube 1200mm HO 14W840 T8
Order code	929001299308
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929001299308
Full product name	MAS LEDtube 1200mm HO 14W840 T8
EAN/UPC - Case	8718696687277

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 14W840 T8	25.8 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data

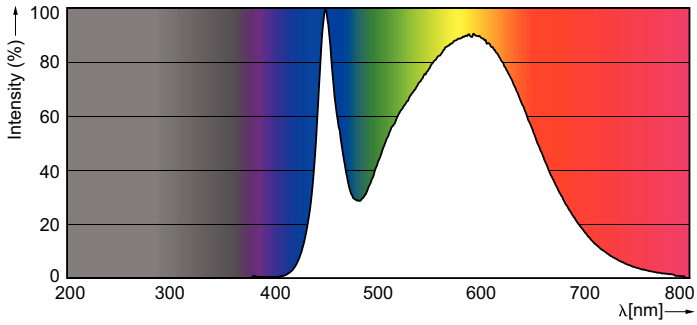


General uniform lighting - MAS LEDtube 1200mm HO 14W840 T8

Light Distribution Diagram - MAS LEDtube 1200mm HO 14W840 T8

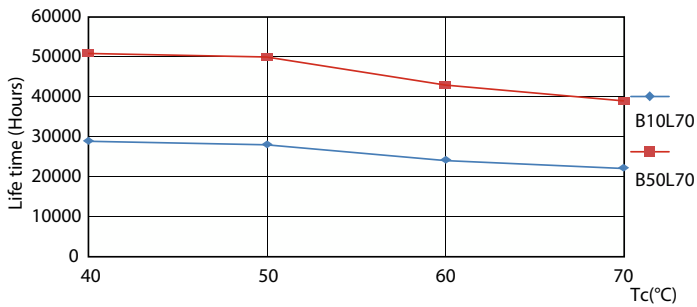
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Photometric data

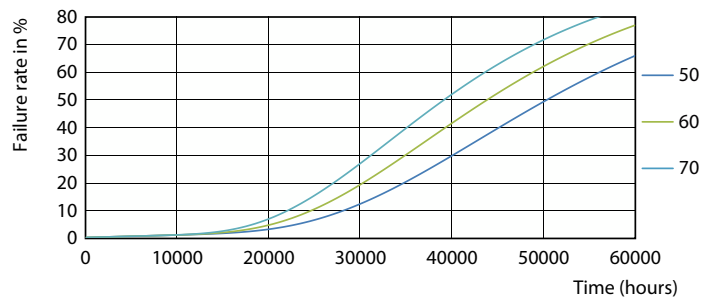


Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 14W840 T8

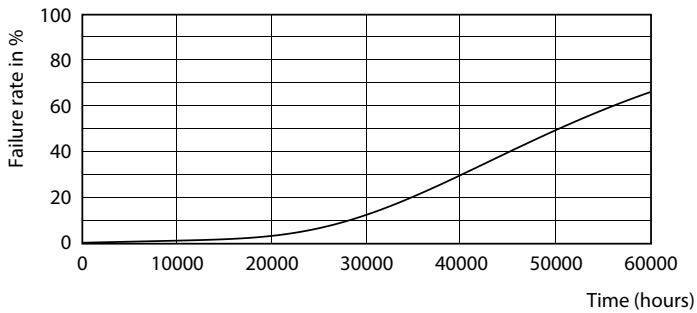
Lifetime



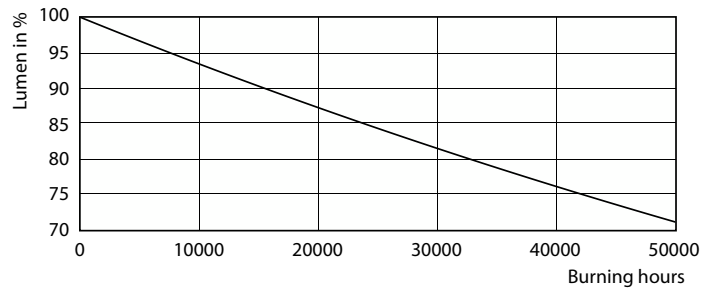
Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W840 T8



Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W840 T8



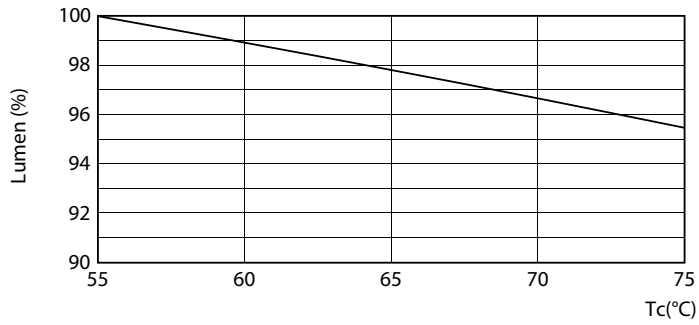
Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W840 T8



Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 14W840 T8

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Lifetime



Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 14W840 T8

