



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. 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

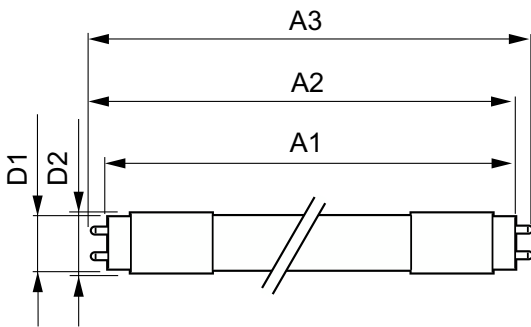
General Information		Color Consistency	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Color Consistency	<6
Nominal lifetime	50,000 hour(s)	Color rendering index (CRI)	83
Switching Cycle	200,000	LLMF At End Of Nominal Lifetime (Nom)	70 %
Lighting Technology	LED	Operating and Electrical	
EU RoHS compliant	Yes	Line Frequency	50 to 60 Hz
Light Technical		Input Frequency	50 to 60 Hz
Color Code	840 [CCT of 4000K]	Power Consumption	14 W
Beam Angle (Nom)	160 degree(s)	Lamp Current (Max)	72 mA
Luminous Flux	2,100 lm	Lamp Current (Min)	59 mA
Color Designation	Cool White (CW)	Starting Time (Nom)	0.5 s
Correlated Color Temperature (Nom)	4000 K	Warm-up time to 60% light	0.5 s
Luminous Efficacy (rated) (Nom)	150.00 lm/W	Power Factor (Fraction)	0.9

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Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	35 °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

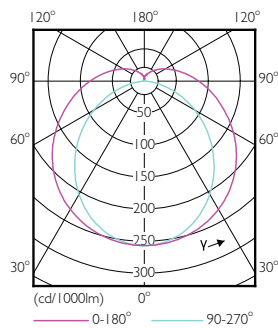
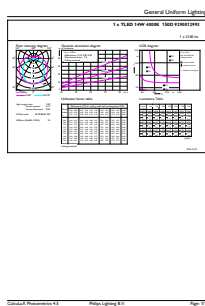
Approval Marks	RoHS compliance
Energy Consumption kWh/1000 h	14 kWh
Product Data	
Order product name	MAS LEDtube 1200mm HO 14W840 T8
Full product name	MAS LEDtube 1200mm HO 14W840 T8
Full product code	871869668726000
Order code	929001299308
Material Nr. (12NC)	929001299308
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696687260
Numerator - Packs per outer box	10
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

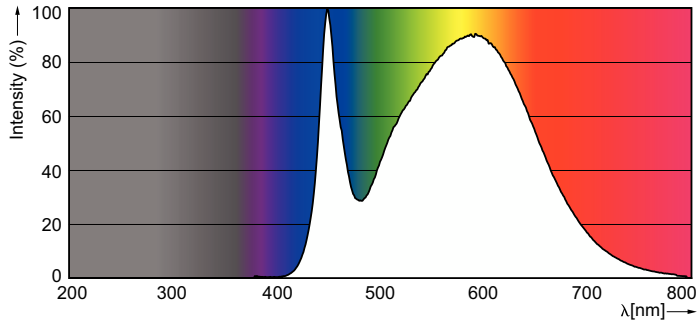


General uniform lighting - MAS LEDtube 1200mm HO 14W840 T8

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

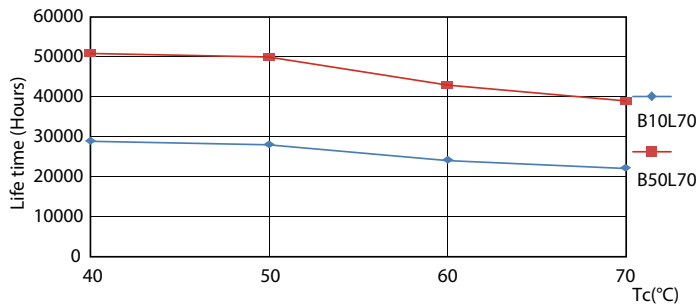
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Photometric data



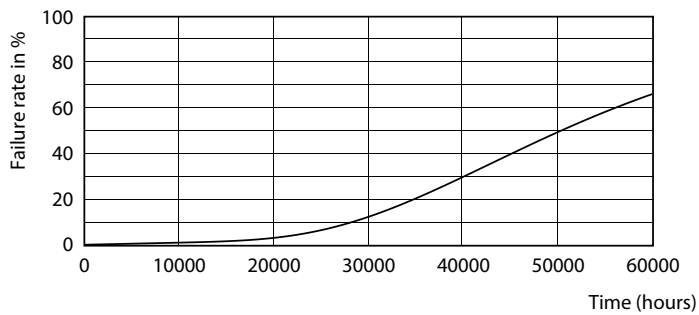
Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 14W840 T8

Lifetime

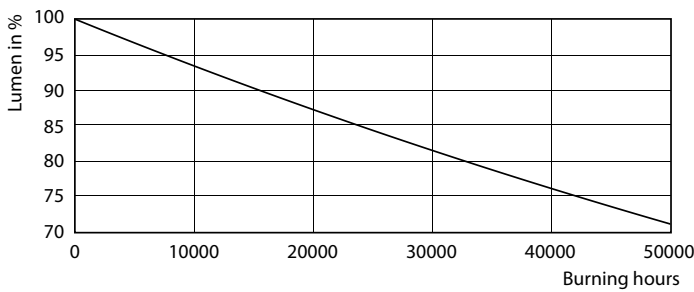


Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W840 T8

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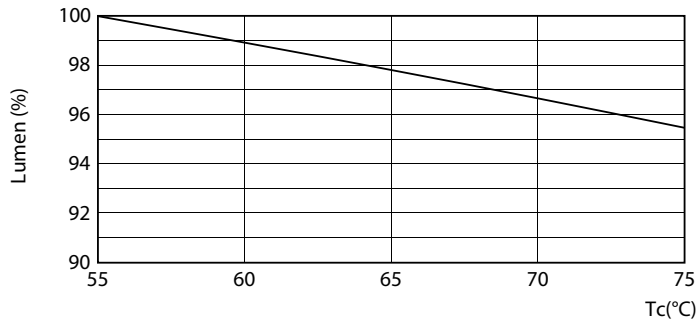
Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W840 T8



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

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Lifetime



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

