



MASTER LEDtube EM/ Mains

MASTER LEDtube 1500mm HO 20W830 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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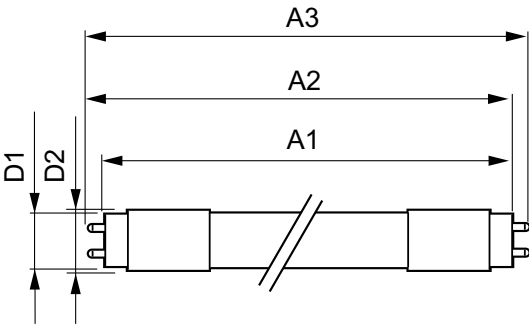
Product data

General Information		Power Consumption	
Cap base	G13 [Medium Bi-Pin Fluorescent]	Lamp current (max.)	20 W
Nominal lifetime	50,000 h	Lamp current (min.)	94 mA
Switching Cycle	200,000	Starting time (nom.)	86 mA
Lighting Technology	LED	Warm-up time to 60% light	0.5 s
EU RoHS compliant	Yes	Power Factor (Fraction)	0.5 s
Light Technical		Voltage (nom.)	0.9
Colour Code	830 [CCT of 3000K]	Temperature	
Luminous Flux	2,900 lm	Ambient temperature range	-20°C to 45°C
Correlated Colour Temperature	3000 K	T-Case maximum (nom.)	60 °C
Colour consistency	<6	Controls and Dimming	
Colour rendering index (CRI)	83	Dimmable	No
LLMF at end of nominal lifetime (nom.)	70 %	Mechanical and Housing	
Operating and Electrical		Product length	1,500 mm
Line Frequency	50 to 60 Hz		
Input frequency	50 to 60 Hz		

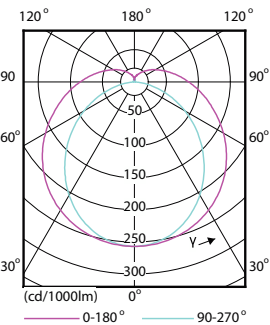
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Approval and Application	
Energy-saving product	Yes
Approval marks	CE marking RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	20 kWh
Product Data	
Order product name	MAS LEDtube 1500mm HO 20W830 T8
Full product name	MASTER LEDtube 1500mm HO 20W830 T8

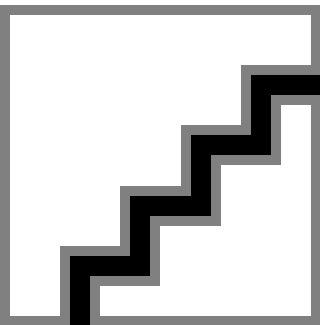
Dimensional drawing



Photometric data



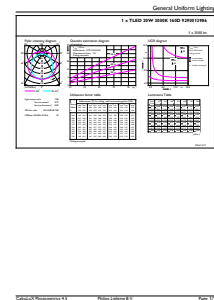
Light Distribution Diagram - MAS LEDtube 1500mm HO 20W830 T8



Spectral Power Distribution Colour - MAS LEDtube 1500mm HO 20W830 T8

Full EOC	871869668712300
Order code	68712300
Material no. (12 NC)	929001298602
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696687123
Numerator – packs per outer box	10
EAN/UPC – Case	8718696687130

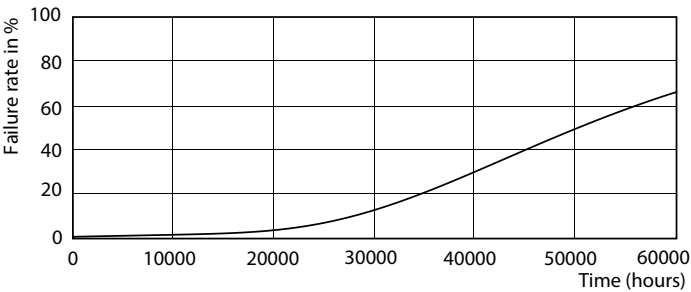
Product	D1	D2	A1	A2	A3
MAS LEDtube 1500mm HO 20W830 T8	25.78 mm	28 mm	1,500 mm	1,507.1 mm	1,514.2 mm



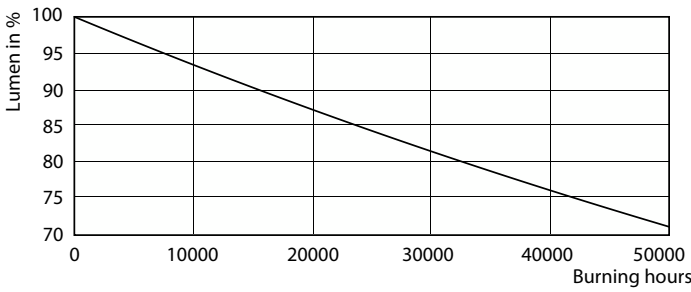
General uniform lighting - MAS LEDtube 1500mm HO 20W830 T8

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Lifetime



Life Expectancy Diagram - MAS LEDtube 1500mm HO 20W830 T8



Lumen Maintenance Diagram - MAS LEDtube 1500mm HO 20W830 T8

