



MASTER Value LEDtube Universal T8

Master LEDtube Universal 1200mm UO 16W830 T8

The new Philips MASTER Value LEDtube Universal T8 brings ease and simplicity to your lighting project. That's because you do not need to match the driver technology any more: a unique design enables the Philips MASTER Value LEDtube Universal T8 to directly fit in luminaires operating on either electromagnetic ballasts or HF electronic ballasts or the mains power connection. It is simple to operate and you no longer need to stock two types of tubes! Perfectly safe, reliable and easy-to-install Philips MASTER Value LEDtube Universal T8 is the ideal alternative to standard fluorescent tubes to maximise value over lifetime with high energy saving and lower maintenance costs.

Product data

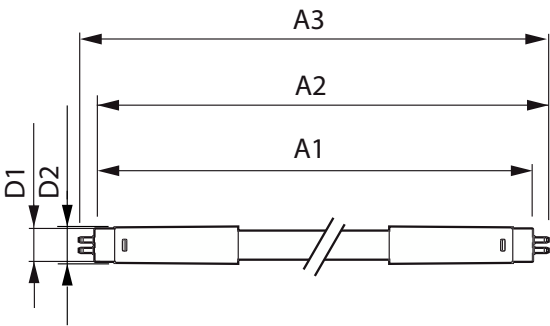
General Information		LLMF at end of nominal lifetime (nom.) 70 %	
Cap base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]		
Nominal lifetime	60,000 h		
Switching Cycle	50,000		
Lighting Technology	LED		
EU RoHS compliant	Yes		
Light Technical		Operating and Electrical	
Colour Code	830 [CCT of 3000K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	160 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	2,300 lm	Power Consumption	16 W
Colour designation	White (WH)	Starting time (nom.)	0.5 s
Correlated Colour Temperature	3000 K	Warm-up time to 60% light	0.5 s
Luminous efficacy (rated) (nom.)	143.00 lm/W	Power Factor (Fraction)	0.9
Colour consistency	<6	Voltage (nom.)	220-240 V
Colour rendering index (CRI)	83		
		Temperature	
		Ambient temperature range	-20°C to 45°C
		T-Case maximum (nom.)	45 °C

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Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb material	Plastic
Product length	1,200 mm
Bulb shape	Tube, double-ended
Approval and Application	
Energy-saving product	Yes
Approval marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy consumption kWh/1,000 hours	16 kWh

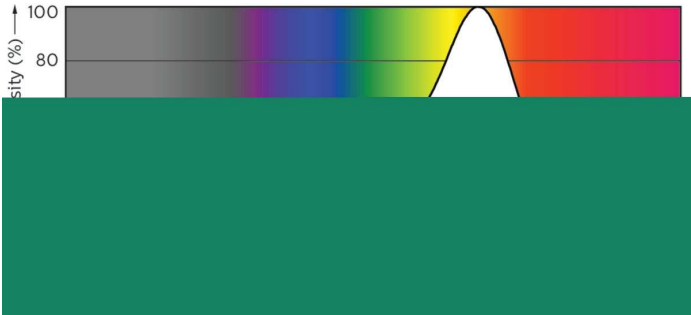
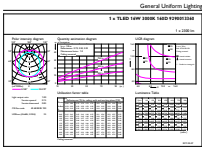
Product Data	
Order product name	MAS LEDtube UN 1200mm UO 16W830 T8
Full product name	Master LEDtube Universal 1200mm UO 16W830 T8
Full EOC	871869672853600
Order code	72853600
Material no. (12 NC)	929001336002
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696728536
Numerator – packs per outer box	10
EAN/UPC – Case	8718696728543

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube UN 1200mm UO 16W830 T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

Photometric data

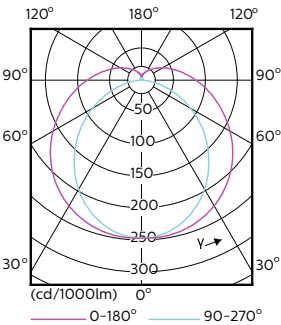


General uniform lighting - MAS LEDtube UN 1200mm UO 16W830 T8

Spectral Power Distribution Colour - MAS LEDtube UN 1200mm UO 16W830 T8

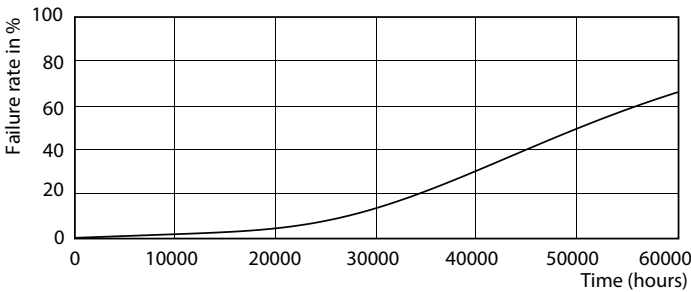
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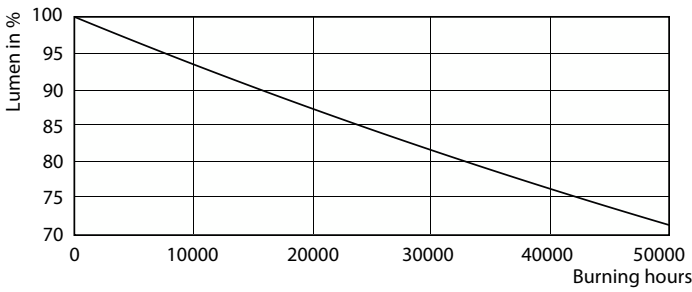


Light Distribution Diagram - MAS LEDtube UN 1200mm UO 16W830 T8

Lifetime



Life Expectancy Diagram - MAS LEDtube UN 1200mm UO 16W830 T8



Lumen Maintenance Diagram - MAS LEDtube UN 1200mm UO 16W830 T8

