

MASTER LEDtube EM/ Mains

MASTER LEDtube 1200mm UO 16W 830 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

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Product data

General Information					
Cap base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	50,000 h				
Switching Cycle	200,000				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Colour Code	830 [CCT of 3000K]				
Beam angle (nom.)	160 degree(s)				
Luminous Flux	2,300 lm				
Colour designation	White (WH)				
Correlated Colour Temperature	3000 K				
Luminous efficacy (rated) (nom.)	143.00 lm/W				
Colour consistency	<6				
Colour 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	16 W			
Lamp current (max.)	75 mA			
Lamp current (min.)	68 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 35°C			
T-Case maximum (nom.)	55 ℃			
Controls and Dimming				
Dimmable	No			

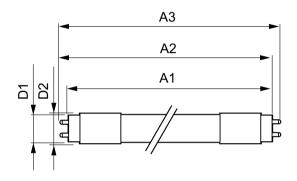
Datasheet, 2023, April 29 data subject to change

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Mechanical and Housing			
Product length	1,200 mm		
Approval and Application			
Energy-saving product	Yes		
Approval marks	TUV CE marking RoHS compliance KEMA Keur		
	certificate		
Energy consumption kWh/1,000 hours	16 kWh		
Product Data			
Order product name	MAS LEDtube 1200mm UO 16W 830 T8		

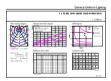
Full product name	MASTER LEDtube 1200mm UO 16W 830 T8				
Full EOC	871869668736900				
Order code	68736900				
Material no. (12 NC)	929001297802				
SAP numerator – quantity per pack	1				
EAN/UPC — Product/Case	8718696687369				
Numerator – packs per outer box	10				
EAN/UPC - Case	8718696687376				

Dimensional drawing



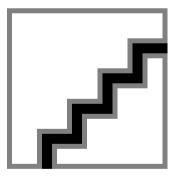
Product	D1	D2	A1	A2	А3
MAS LEDtube 1200mm UO 16W	25.78 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
830 T8					

Photometric data



Calculat Pleasurence 43 Filips Lighting EV. Figer 17

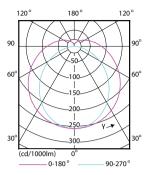
General uniform lighting - MAS LEDtube 1200mm UO 16W 830 T8



Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 16W 830 T8

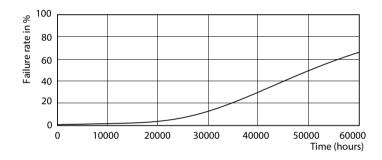
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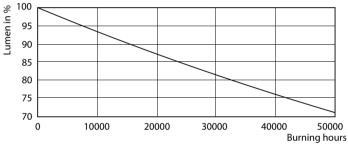
Photometric data



Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 830 T8

Lifetime





Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 830 T8

Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 16W 830 T8



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