

MASTER LEDtube EM/ Mains T8

MAS 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 hour(s)			
Switching Cycle	200,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Color Code	830 [CCT of 3000K]			
Beam Angle (Nom)	160 degree(s)			
Luminous Flux	2,300 lm			
Color Designation	White (WH)			
Correlated Color Temperature (Nom)	3000 K			
Luminous Efficacy (rated) (Nom)	143.00 lm/W			
Color Consistency	<6			
Color rendering index (CRI)	83			
LLMF At End Of Nominal Lifetime (Nom) 70 %				
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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		

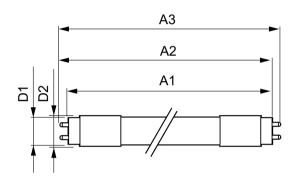
Datasheet, 2023, April 29 data subject to change

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Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	T8
Approval and Application	
Energy Saving Product	Yes
Approval Marks	TUV CE marking RoHS compliance KEMA Keur
	certificate
Energy Consumption kWh/1000 h	16 kWh
Product Data	
Order product name	MAS LEDtube 1200mm UO 16W 830 T8

Full product name	MAS LEDtube 1200mm UO 16W 830 T8				
Full product code	871869668736900				
Order code	929001297802				
Material Nr. (12NC)	929001297802				
Numerator - Quantity Per Pack	1				
EAN/UPC - Product/Case	8718696687369				
Numerator - Packs per outer box	10				
EAN/UPC - Case	8718696687376				

Dimensional drawing

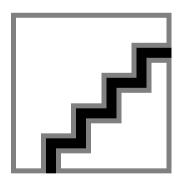


Product	D1	D2	A1	A2	А3
MAS LEDtube 1200mm UO 16W	25.78 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
830 T8					

Photometric data



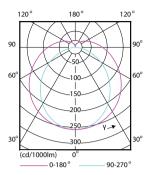
General uniform lighting - MAS LEDtube 1200mm UO 16W 830 T8



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

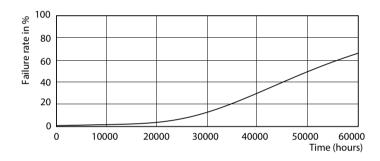
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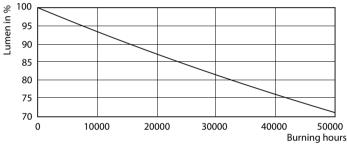
Photometric data



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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