

MASTER LEDtube EM/ Mains

MASTER LEDtube 1200mm HO 14W865 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	865 [CCT of 6500K]				
Luminous Flux	2,100 lm				
Correlated Colour Temperature	6500 K				
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	14 W			
Lamp current (max.)	65 mA			
Lamp current (min.)	60 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 45°C			
T-Case maximum (nom.)	55 ℃			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product length	1,200 mm			

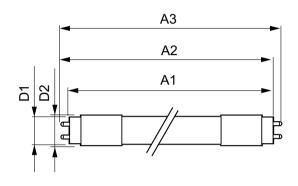
Datasheet, 2023, April 29 data subject to change

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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	14 kWh			
Product Data				
Order product name	MAS LEDtube 1200mm HO 14W865 T8			
Full product name	MASTER LEDtube 1200mm HO 14W865 T8			

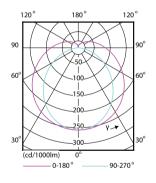
Full EOC	871869668722200			
Order code	68722200			
Material no. (12 NC)	929001299102			
SAP numerator – quantity per pack	1			
EAN/UPC — Product/Case	8718696687222			
Numerator – packs per outer box	10			
EAN/UPC - Case	8718696687239			

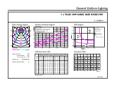
Dimensional drawing



Product	D1	D2	A1	A2	А3
MAS LEDtube 1200mm HO	25.78 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
14W865 T8					

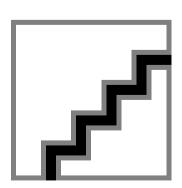
Photometric data





Light Distribution Diagram - MAS LEDtube 1200mm HO 14W865 T8

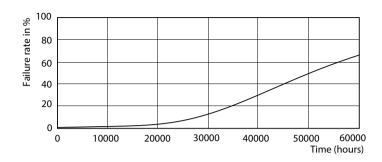
General uniform lighting - MAS LEDtube 1200mm HO 14W865 T8

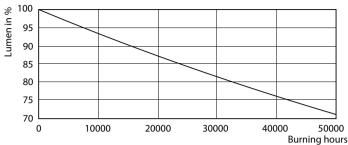


Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 14W865 T8

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Lifetime





Life Expectancy Diagram - MAS LEDtube 1200mm HO 14W865 T8

Lumen Maintenance Diagram - MAS LEDtube 1200mm HO 14W865 T8



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