



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1500mm HO 23W830 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. These T8 LED tubes are the right choice for absolute performance and are designed to stand up to everyday conditions. Unparalleled savings thanks to low energy consumption and an exceptionally long lifetime ensure this tube masters every demanding application.

Warnings and Safety

• NOTE: The overall energy efficiency and light distribution of any installation that uses these lamps will be determined by the design of the installation.

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	2,900 lm			
Color Designation	White (WH)			
Correlated Color Temperature (Nom)	3000 K			
Color Consistency	<6			

Color rendering index (CRI)	80		
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	23 W		
Lamp Current (Max)	105 mA		
Lamp Current (Min)	95 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		

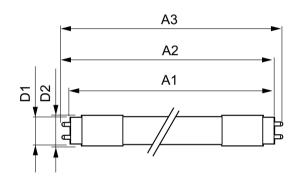
Datasheet, 2023, October 26 data subject to change

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Temperature				
Ambient temperature range	-20 °C to 35 °C			
T-Case Maximum (Nom)	55 °C			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	1,500 mm			
Approval and Application				
Energy Saving Product	Yes			
Suitable For Accent Lighting	No			
Approval Marks	CE marking RoHS compliance KEMA Keur			
	certificate			

Energy Consumption kWh/1000 h	23 kWh			
Product Data				
Order product name	MAS LEDtube 1500mm HO 23W830 T8			
Full product name	MAS LEDtube 1500mm HO 23W830 T8			
Full product code	871829178956700			
Order code	929001116002			
Material Nr. (12NC)	929001116002			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718291789567			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718291789574			

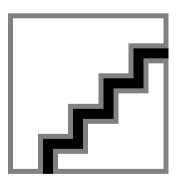
Dimensional drawing



Product	D1	D2	A1	A2	А3
MAS LEDtube 1500mm HO	25.68 mm	28 mm	1,500.0 mm	1,507.1 mm	1,514.2 mm
23W830 T8					

Photometric data

1200 / 1800/ \ .1200



Light Distribution Diagram - MAS LEDtube 1500mm HO 23W830 T8

Spectral Power Distribution Colour - MAS LEDtube 1500mm HO 23W830 T8

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