



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1500mm SO 20W 865 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	50,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Color Code	865 [CCT of 6500K]			
Beam Angle (Nom)	160 degree(s)			
Luminous Flux	2,000 lm			
Correlated Color Temperature (Nom)	6500 K			
Color Consistency	<6			
Color 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	20 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	Instant full light s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	220-240 V			
Temperature				
Ambient temperature range	-20 °C to 45 °C			

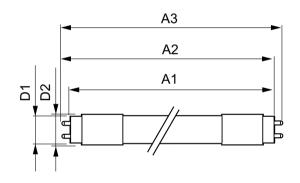
Datasheet, 2023, October 26 data subject to change

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T-Case Maximum (Nom)	50 °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	20 kWh				

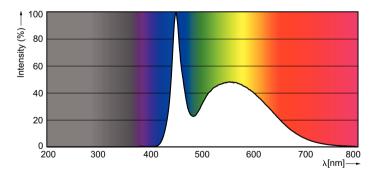
Product Data				
Order product name	MAS LEDtube 1500mm SO 20W 865 T8			
Full product name	MAS LEDtube 1500mm SO 20W 865 T8			
Full product code	871829173453600			
Order code	929000287702			
Material Nr. (12NC)	929000287702			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718291734536			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718291734543			

Dimensional drawing



Product	D1	D2	A1	A2	А3
MAS LEDtube 1500mm SO	25.68 mm	28 mm	1,500.0 mm	1,507.1 mm	1,514.2 mm
20W 865 T8					

Photometric data



Light Distribution Diagram - MAS LEDtube 1500mm SO 20W 865 T8

Spectral Power Distribution Colour - MAS LEDtube 1500mm SO 20W 865 T8

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