



MASTER LEDtube EM/ Mains T8

MAS LEDtube 1200mm HO 16W865 T8 RN

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		Color rendering index (CRI)	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	80	
Nominal lifetime	50,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom) 70 %	
Switching Cycle	200,000		
Lighting Technology	LED		
EU RoHS compliant	Yes		
Light Technical		Operating and Electrical	
Color Code	865 [CCT of 6500K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	160 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	2,100 lm	Power Consumption	16 W
Color Designation	Cool Daylight	Lamp Current (Max)	77 mA
Correlated Color Temperature (Nom)	6500 K	Lamp Current (Min)	68 mA
Color Consistency	<6	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

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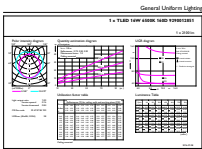
Temperature	
Ambient temperature range	-20 °C to 35 °C
T-Case Maximum (Nom)	55 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm
Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	No
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate

Energy Consumption kWh/1000 h	16 kWh
Product Data	
Order product name	MAS LEDtube 1200mm HO 16W865 T8 RN
Full product name	MAS LEDtube 1200mm HO 16W865 T8 RN
Full product code	871869667781000
Order code	929001285102
Material Nr. (12NC)	929001285102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696677810
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696677827

Dimensional drawing

Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 16W865 T8 RN	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data

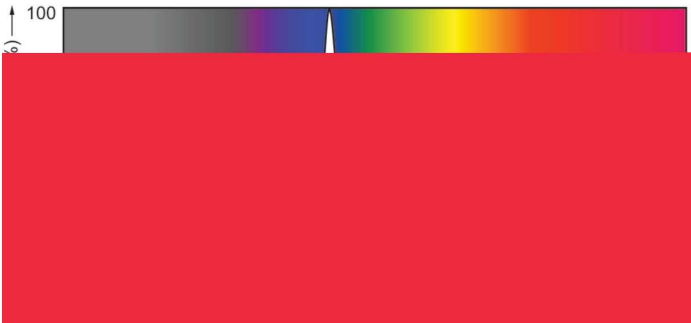


General uniform lighting - MAS LEDtube 1200mm HO 16W865 T8 RN

Light Distribution Diagram - MAS LEDtube 1200mm HO 16W865 T8 RN

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Photometric data



Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 16W865 T8
RN

