

# MASTER LEDtube EM/ Mains T8

## MAS LEDtube STD 1200mm 20W830 T8 I

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	40,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Color Code	830 [CCT of 3000K]				
Beam Angle (Nom)	150 degree(s)				
Luminous Flux	2,000 lm				
Correlated Color Temperature (Nom)	3000 K				
Color Consistency	<6				
Color rendering index (CRI)	83				

LIME A Ford Of Novincial Lifetime (Nov.) 70 %					
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)	100-240 V				
Temperature					
Ambient temperature range	-20 °C to 45 °C				

Datasheet, 2023, December 6 data subject to change

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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	CE marking RoHS compliance KEMA Keur			
	certificate			
Energy Consumption kWh/1000 h	20 kWh			

Product Data					
Order product name	MAS LEDtube STD 1200mm 20W830 T8 I				
Full product name	MAS LEDtube STD 1200mm 20W830 T8 I				
Full product code	871829173480200				
Order code	929000286308				
Material Nr. (12NC)	929000286308				
Numerator - Quantity Per Pack	1				
EAN/UPC - Product/Case	8718291734802				
Numerator - Packs per outer box	10				
EAN/UPC - Case	8718291734819				

## Dimensional drawing

Product	D1	D2	A1	A2	А3
MAS LEDtube STD 1200mm	25.68 mm	28 mm	1,198.0 mm	1,205.0 mm	1,212.0 mm
20W830 T8 I					

### Photometric data





Light Distribution Diagram - MAS LEDtube STD 1200mm 20W830 T8 I

Spectral Power Distribution Colour - MAS LEDtube STD 1200mm 20W830 T8 I

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