# Lighting

**PHILIPS** 

# MASTER LEDtube EM/ Mains T8

# MAS LEDtube STD 1200mm 20W865 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	865 [CCT of 6500K]				
Beam Angle (Nom)	150 degree(s)				
Luminous Flux	2,100 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)	100-240 V		
Temperature			
Ambient temperature range	-20 ℃ to 45 ℃		

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T-Case Maximum (Nom)	55 ℃				
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				

Product Data				
Order product name	MAS LEDtube STD 1200mm 20W865 T8 I			
Full product name	MAS LEDtube STD 1200mm 20W865 T8 I			
Full product code	871829173484000			
Order code	929000286508			
Material Nr. (12NC)	929000286508			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718291734840			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718291734857			

#### Dimensional drawing

Product	D1	D2	A1	A2	A3
MAS LEDtube STD 1200mm	25.68 mm	28 mm	1,198.0 mm	1,205.0 mm	1,212.0 mm
20W865 T8 I					

#### Photometric data





Light Distribution Diagram - MAS LEDtube STD 1200mm 20W865 T8 I

Spectral Power Distribution Colour - MAS LEDtube STD 1200mm 20W865 T8 I

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