# **PHILIPS** Lighting

# MASTER LEDtube EM/ Mains T8

# MASTER 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. For those that are looking for value for money within limited budget and re-lamping efforts for better light effect and lifetime.

#### Warnings and Safety

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#### **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 %					

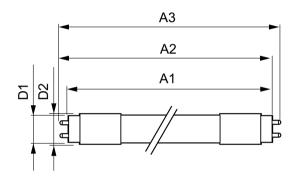
Operating and Electrical				
Line Frequency	50 to 60 Hz			
Input Frequency	50 to 60 Hz			
Power Consumption	20 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	Instant full light s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	220-240 V			
Temperature				
Ambient temperature range	-20 ℃ to 45 ℃			
T-Case Maximum (Nom)	50 ℃			
Controls and Dimming				
Dimmable	No			

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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 20W865 T8 I			

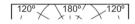
Full product name	MASTER LEDtube STD 1200mm 20W865 T8 I			
Full product code	871869642190100			
Order code	42190100			
Material Nr. (12NC)	929001127008			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	8718696421901			
Numerator - Packs per outer box	10			
EAN/UPC - Case	8718696421918			

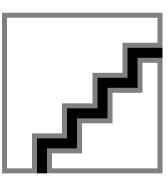
#### Dimensional drawing



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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