

MASTER LEDtube EM/ Mains



MASTER LEDtube 1500mm UE 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. This product is the ideal solution for up lamping in general lighting applications.

Warnings and Safety

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Product data

General Information			
Cap base	G13 ROT (Rotating) [Medium Bi-Pin		
	Fluorescent]		
EU RoHS compliant	Yes		
Nominal lifetime (nom.)	75000 h		
Switching cycle	200,000X		
	Sphere		
Light Technical			
Colour Code	865 [CCT of 6,500 K]		
Beam Angle (Nom)	160 °		
Luminous flux (nom.)	3700 lm		
Colour designation	Cool Daylight		
Correlated Colour Temperature (Nom)	6500 K		
Luminous efficacy (rated) (nom.)	185.00 lm/W		
Colour consistency	<6		
Colour rendering index (nom.)	80		

LLMF at end of nominal lifetime (nom.) 70 $\%$				
Operating and Electrical				
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Input frequency	50 to 60 Hz			
Power (Rated) (Nom)	20 W			
Lamp current (max.)	103 mA			
Lamp current (min.)	85 mA			
Starting time (nom.)	0.5 s			
Warm-up time to 60% light (nom.)	0.5 s			
Power factor (nom.)	0.9			
Voltage (Nom)	220-240 V			
Temperature				
T-ambient (max.)	45 ℃			
T-ambient (min.)	-20 °C			
T storage (max.)	65 ℃			
T storage (min.)	-40 °C			

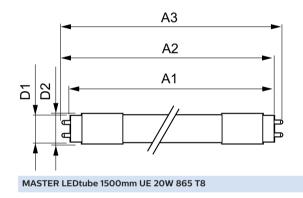
Datasheet, 2022, May 16 data subject to change

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T-Case maximum (nom.)	60 °C			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Lamp Finish	Frosted			
Bulb material	Glass			
Product length	1500 mm			
Bulb shape	Tube, double-ended			
Approval and Application				
Energy Efficiency Class	В			
Energy-saving product	Yes			
Approval marks	TUV			
Approval marks	RoHS compliance CE marking KEMA Keur			
	certificate			

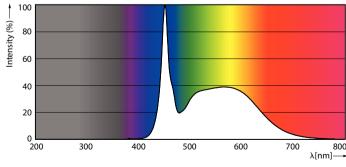
Energy consumption kWh/1,000 hours	20 kWh
	453170
Product Data	
Full product code	871951433978100
Order product name	MASTER LEDtube 1500mm UE 20W 865 T8
EAN/UPC – product	8719514339781
Order code	33978100
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
SAP material	929003067302
SAP net weight (piece)	0.270 kg

Dimensional drawing

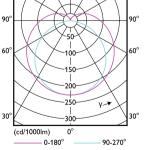


Product	D1	D2	A1	A2	А3
MASTER LEDtube 1500mm	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm
UE 20W 865 T8					

Photometric data





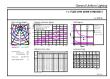


Spectral Power Distribution Colour

Light Distribution Diagram

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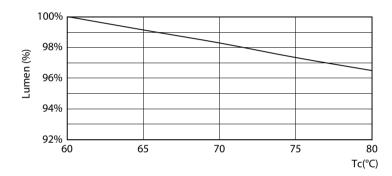
Photometric data



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General uniform lighting

Lifetime



LEDtube MAS 20W 70K LumenVsTc-LMP



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