

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 lighting 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

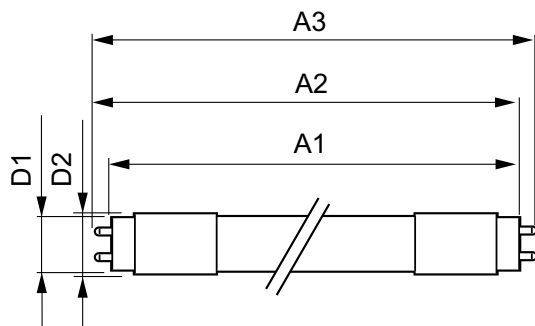
LLMF at end of nominal lifetime (nom.) 70 %	
Operating and Electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	20 W
Lamp current (max.)	103 mA
Lamp current (min.)	85 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	0.5 s
Power factor (nom.)	0.9
Voltage (Nom)	220-240 V
Temperature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

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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	B
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

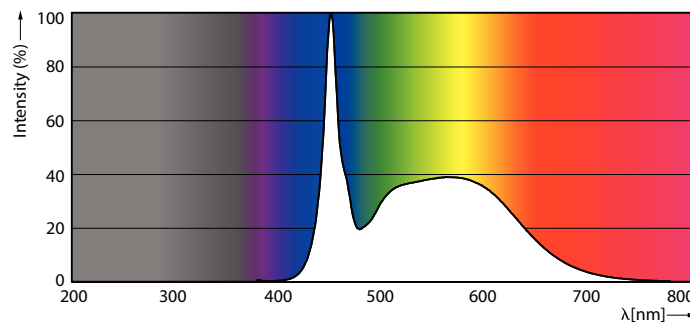
Dimensional drawing



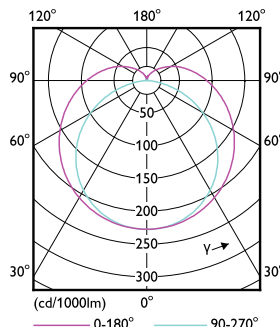
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Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm UE 20W 865 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

Photometric data



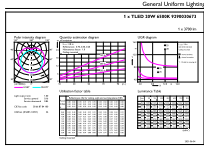
Spectral Power Distribution Colour



Light Distribution Diagram

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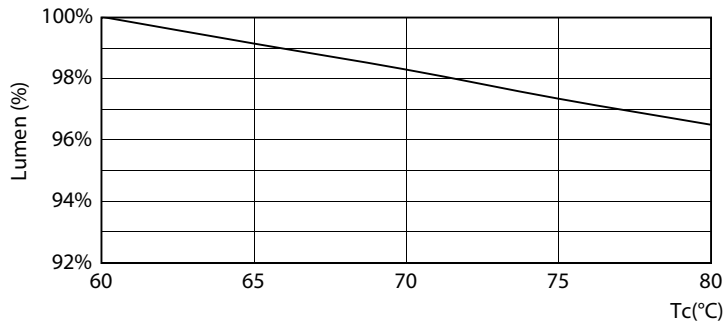
Photometric data



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General uniform lighting

Lifetime



LEDtube MAS 20W 70K LumenVsTc-LMP

