



MASTER LEDtube EM/ Mains T8



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. 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

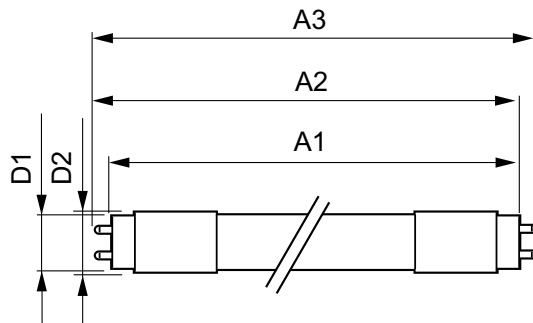
General information		Luminous Efficacy (rated) (Nom)	
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]	Luminous Efficacy (rated) (Nom)	185.00 lm/W
EU RoHS compliant	Yes	Color Consistency	<6
Nominal Lifetime (Nom)	75000 h	Color Rendering Index (Nom)	80
Switching Cycle	200000X	LLMF At End Of Nominal Lifetime (Nom)	70 %
Flux measurement reference	Sphere	Operating and electrical	
Light technical		Input Frequency	50 to 60 Hz
Color Code	865 [CCT of 6500K]	Power (Nom)	20 W
Beam Angle (Nom)	160 °	Lamp Current (Max)	103 mA
Luminous Flux (Nom)	3700 lm	Lamp Current (Min)	85 mA
Color Designation	Cool Daylight	Starting Time (Nom)	0.5 s
Correlated Color Temperature (Nom)	6500 K	Warm Up Time to 60% Light (Nom)	0.5 s
		Power Factor (Nom)	0.9

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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
T-Case Maximum (Nom)	60 °C
Controls and dimming	
Dimmable	No
Mechanical and housing	
Bulb 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	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	453170
Product data	
Full product code	871951433978100
Order product name	MASTER LEDtube 1500mm UE 20W 865 T8
EAN/UPC - Product	8719514339781
Order code	929003067302
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929003067302
Net Weight (Piece)	0.270 kg

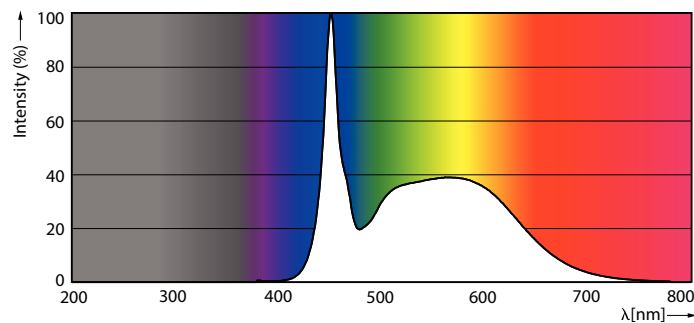
Dimensional drawing



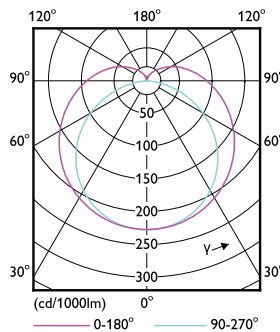
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Product	D1	D2	A1	A2	A3
MASTER LEDtube 1500mm UE 20W 865 T8	25.8 mm	28 mm	1498.8 mm	1505.9 mm	1513 mm

Photometric data



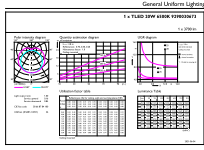
Spectral Power Distribution Colour



Light Distribution Diagram

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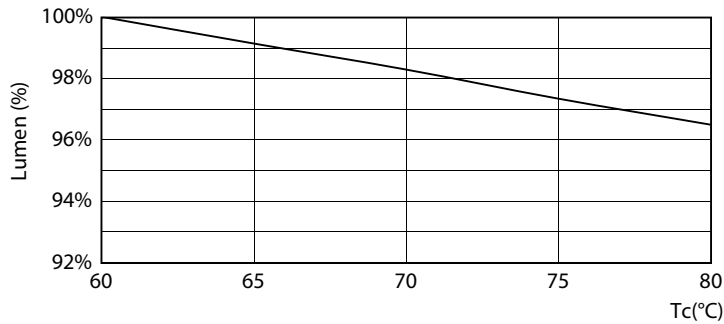
Photometric data



General Parameters 43 Page 10 of 11

General uniform lighting

Lifetime



LEDtube MAS 20W 70K LumenVsTc-LMP

