



MASTER Value LEDtube Universal T8

Master LEDtube Universal 1200mm UO 16W865 T8

The new Philips MASTER Value LEDtube Universal T8 brings ease and simplicity to your lighting project. That's because you do not need to match the driver technology anymore: a unique design enables the Philips MASTER Value LEDtube Universal T8 to directly fit in luminaires operating on either electromagnetic ballasts or HF electronic ballasts or mains power connection. It is so simple to operate and you no longer need to stock two types of tubes! Perfectly safe, reliable & easy to install Philips MASTER Value LEDtube Universal T8 is the ideal alternative to standard fluorescent tubes to maximize value over lifetime with high energy saving and lower maintenance costs.

Product data

General Information	
Cap-Base	G13 ROT (Rotating) [Medium Bi-Pin Fluorescent]
Nominal lifetime	60,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,500 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	156.00 lm/W
Color Consistency	<6

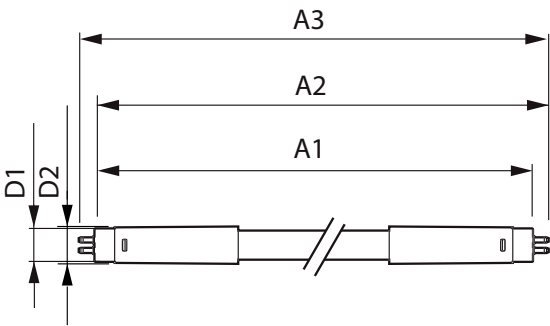
Color rendering index (CRI)	83
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	16 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	220-240 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	45 °C

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Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance TUV CE marking KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh

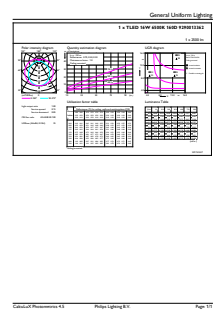
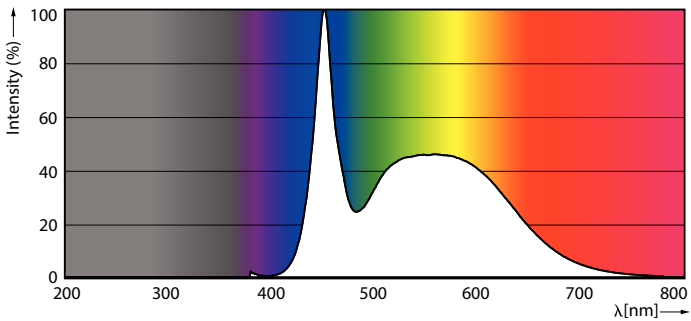
Product Data	
Order product name	MAS LEDtube UN 1200mm UO 16W865 T8
Full product name	Master LEDtube Universal 1200mm UO 16W865 T8
Full product code	871869670539100
Order code	70539100
Material Nr. (12NC)	929001336202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696705391
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696705407

Dimensional drawing



Product	D1	D2	A1	A2	A3
MAS LEDtube UN 1200mm UO 16W865 T8	25.7 mm	28 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

Photometric data

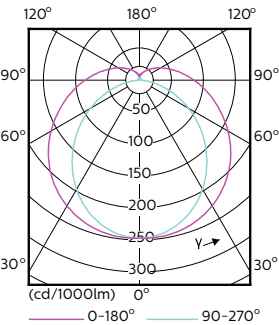


Spectral Power Distribution Colour - MAS LEDtube UN 1200mm UO 16W865 T8

General uniform lighting - MAS LEDtube UN 1200mm UO 16W865 T8

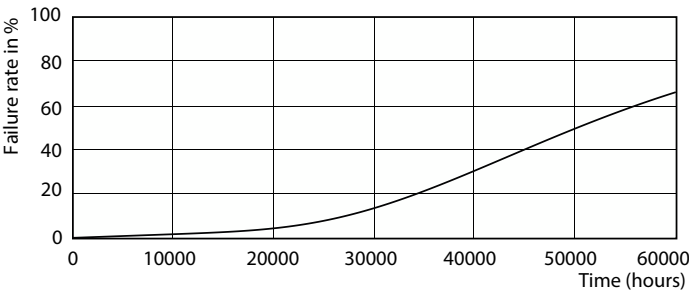
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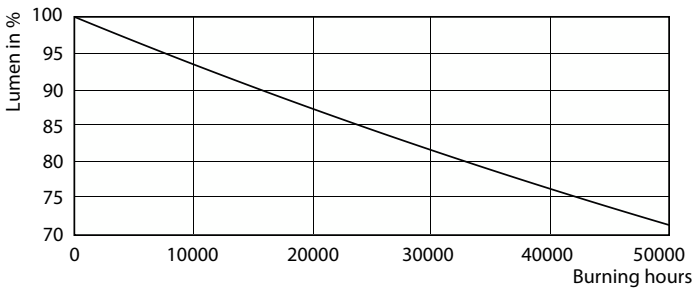


Light Distribution Diagram - MAS LEDtube UN 1200mm UO 16W865 T8

Lifetime



Life Expectancy Diagram - MAS LEDtube UN 1200mm UO 16W865 T8



Lumen Maintenance Diagram - MAS LEDtube UN 1200mm UO 16W865 T8

