PHILIPS

Lighting



MASTER LEDtube EM/ Mains T8

MASTER LEDtube 1200mm HO 16W865 T8 RS

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

- -

Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	200,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	865 [CCT of 6500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,100 lm
Color Designation	Cool Daylight
Correlated Color Temperature (Nom)	6500 K
Color Consistency	<6
Color rendering index (CRI)	80
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
Lamp Current (Max)	77 mA
Lamp Current (Min)	68 mA
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 35 °C
T-Case Maximum (Nom)	55 °C

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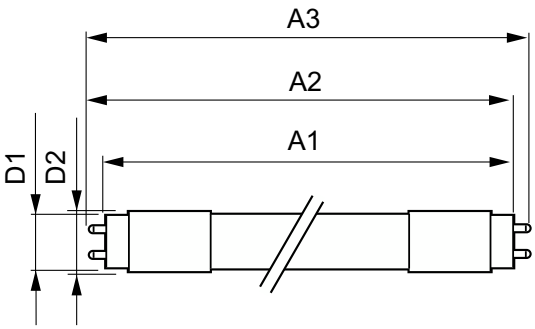
Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1,200 mm

Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	No
Approval Marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	16 kWh

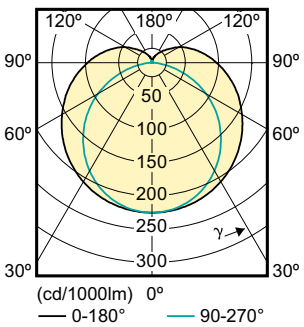
Product Data	
Order product name	MAS LEDtube 1200mm HO 16W865 T8 RS
Full product name	MASTER LEDtube 1200mm HO 16W865 T8 RS
Full product code	871869642202100
Order code	42202100
Material Nr. (12NC)	929001126302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696422021
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696422038

Dimensional drawing

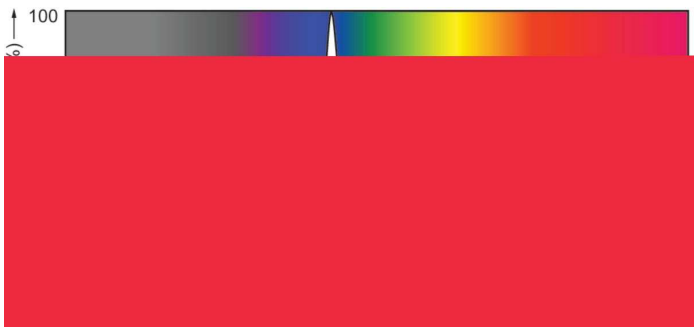


Product	D1	D2	A1	A2	A3
MAS LEDtube 1200mm HO 16W865 T8 RS	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data



Light Distribution Diagram - MAS LEDtube 1200mm HO 16W865 T8 RS



Spectral Power Distribution Colour - MAS LEDtube 1200mm HO 16W865 T8 RS

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2023, April 29 - data subject to change