PHILIPS

Lighting



MASTER LEDtube EM/ Mains T8

MAS LEDtube STD 1200mm 20W830 T8 I

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 [Medium Bi-Pin Fluorescent]
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	150 degree(s)
Luminous Flux	2,000 lm
Correlated Color Temperature (Nom)	3000 K
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	20 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	Instant full light s
Power Factor (Fraction)	0.9
Voltage (Nom)	100-240 V

Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	55 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1,200 mm

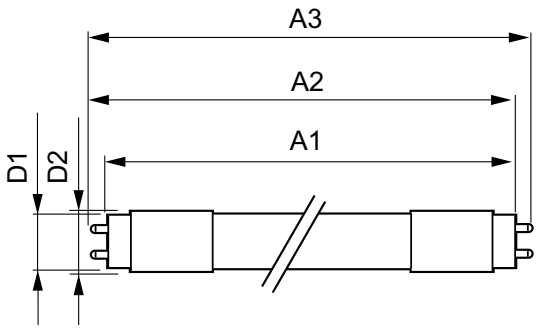
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Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	No
Approval Marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	20 kWh

Product Data	
Order product name	MAS LEDtube STD 1200mm 20W830 T8 I
Full product name	MAS LEDtube STD 1200mm 20W830 T8 I

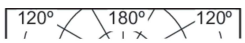
Full product code	871829173480200
Order code	929000286308
Material Nr. (12NC)	929000286308
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291734802
Numerator - Packs per outer box	10
EAN/UPC - Case	8718291734819

Dimensional drawing

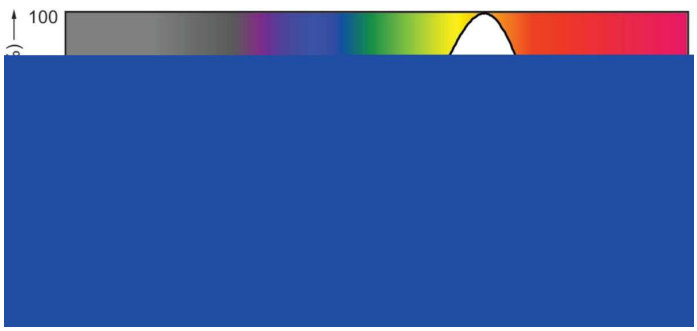


Product	D1	D2	A1	A2	A3
MAS LEDtube STD 1200mm 20W830 T8 I	25.68 mm	28 mm	1,198.0 mm	1,205.0 mm	1,212.0 mm

Photometric data



Light Distribution Diagram - MAS LEDtube STD 1200mm 20W830 T8 I



Spectral Power Distribution Colour - MAS LEDtube STD 1200mm 20W830 T8 I

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2023, April 29 - data subject to change