Lighting

PHILIPS

MASTER LEDtube EM/ Mains T8

MAS LEDtube 1500mm SO 20W 840 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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,000 lm
Correlated Color Temperature (Nom)	4000 K
Color Consistency	<6
Color rendering index (CRI)	83

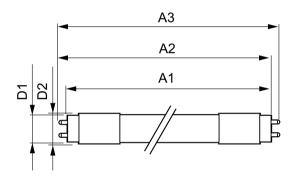
LLMF At End Of Nominal Lifetime (Nom) 70 %		
Operating and Electrical		
Line Frequency	50 to 60 Hz	
Input Frequency	50 to 60 Hz	
Power Consumption	20 W	
Starting Time (Nom)	0.5 s	
Warm-up time to 60% light	Instant full light s	
Power Factor (Fraction)	0.9	
Voltage (Nom)	220-240 V	
Temperature		
Ambient temperature range	-20 ℃ to 45 ℃	

MASTER LEDtube EM/Mains T8

T-Case Maximum (Nom)	50 ℃
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,500 mm
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

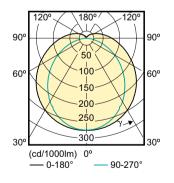
Product Data	
Order product name	MAS LEDtube 1500mm SO 20W 840 T8
Full product name	MAS LEDtube 1500mm SO 20W 840 T8
Full product code	871829173451200
Order code	929000287602
Material Nr. (12NC)	929000287602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291734512
Numerator - Packs per outer box	10
EAN/UPC - Case	8718291734529

Dimensional drawing

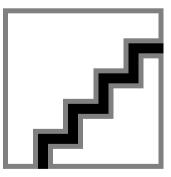


Product D1 D2 A1 A2 A3 MAS LEDtube 1500mm SO 25.68 mm 28 mm 1,500.0 mm 1,507.1 mm 1,514.2 mm 20W 840 T8 </td

Photometric data



Light Distribution Diagram - MAS LEDtube 1500mm SO 20W 840 T8



Spectral Power Distribution Colour - MAS LEDtube 1500mm SO 20W 840 T8

MASTER LEDtube EM/Mains T8



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, December 6 - data subject to change