

MASTER LEDtube EM/ Mains

MASTER LEDtube 1200mm UO 16W 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. This product is the ideal solution for up lamping in general lighting applications.

Warnings and Safety

٠ _

Product data

General Information				
Cap base	G13 [Medium Bi-Pin Fluorescent]			
Nominal lifetime	50,000 h			
Switching Cycle	200,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Colour Code	865 [CCT of 6500K]			
Beam angle (nom.)	160 degree(s)			
Luminous Flux	2,500 lm			
Colour designation	Cool Daylight			
Correlated Colour Temperature	6500 K			
Luminous efficacy (rated) (nom.)	156.00 lm/W			
Colour consistency	<6			
Colour 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			
Lamp current (max.)	75 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 ℃			
Controls and Dimming				
Dimmable	No			

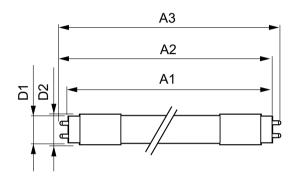
Datasheet, 2023, April 29 data subject to change

MASTER LEDtube EM/Mains

Mechanical and Housing				
Product length	1,200 mm			
Approval and Application				
Energy-saving product	Yes			
Approval marks	TUV CE marking RoHS compliance KEMA Keur			
	certificate			
Energy consumption kWh/1,000 hours	16 kWh			
Product Data				
Order product name	MAS LEDtube 1200mm UO 16W 865 T8			

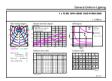
Full product name	MASTER LEDtube 1200mm UO 16W 865 T8				
Full EOC	871869668740600				
Order code	68740600				
Material no. (12 NC)	929001298002				
SAP numerator – quantity per pack	1				
EAN/UPC — Product/Case	8718696687406				
Numerator – packs per outer box	10				
EAN/UPC - Case	8718696687413				

Dimensional drawing



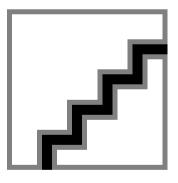
Product	D1	D2	A1	A2	А3
MAS LEDtube 1200mm UO 16W	25.78 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
865 T8					

Photometric data



Calculat Financeins 43 Filips Lighting BV. Fige: ST

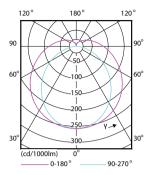
General uniform lighting - MAS LEDtube 1200mm UO 16W 865 T8



Spectral Power Distribution Colour - MAS LEDtube 1200mm UO 16W 865 T8

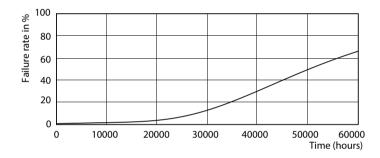
MASTER LEDtube EM/Mains

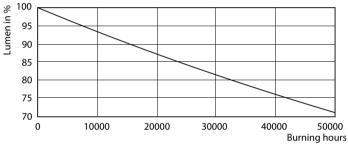
Photometric data



Light Distribution Diagram - MAS LEDtube 1200mm UO 16W 865 T8

Lifetime





Life Expectancy Diagram - MAS LEDtube 1200mm UO 16W 865 T8

Lumen Maintenance Diagram - MAS LEDtube 1200mm UO 16W 865 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.