PHILIPS

Lighting

MasterConnect LEDtube EM/Mains T8

MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8

Philips MasterConnect LEDtube EM/Mains T8 makes it easy to upgrade to a connected lighting system. Its 2.4 GHz mesh networking technology enables wireless integration with a variety of control devices, such as sensors and switches. The result? Even more energy saving and enhanced flexibility in your space. Through dimming, occupancy sensing and/or daylight harvesting, lamps deliver 50% or more energy saving thanks to MasterConnect technology.

Product data

General Information	
Cap base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 h
Switching Cycle	200,000
Connectivity	Interact Ready
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	160 degree(s)
Luminous Flux	2,300 lm
Colour designation	White (WH)
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	139.39 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	16.5 W
Lamp current (max.)	76 mA
Lamp current (min.)	69 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 45°C
T-Case maximum (nom.)	45 °C

MasterConnect LEDtube EM/Mains T8

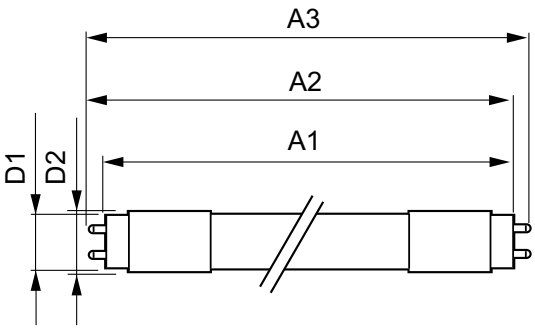
Controls and Dimming	
Dimmable	Wireless Dim

Mechanical and Housing	
Product length	1,200 mm
Bulb shape	Tube, double-ended

Approval and Application	
Energy-saving product	Yes
Approval marks	TUV CE marking RoHS compliance KEMA Keur certificate
Energy consumption kWh/1,000 hours	17 kWh

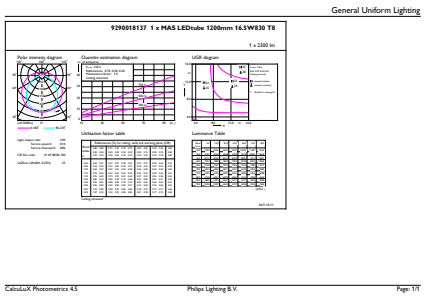
Product Data	
Order product name	MAScon LEDtube IA 1200mm UO 16.5W830 T8
Full product name	MASTERConnect LEDtube IA 1200mm UO 16.5W830 T8
Full EOC	871869677342000
Order code	77342000
Material no. (12 NC)	929001813702
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696773420
Numerator – packs per outer box	10
EAN/UPC - Case	8718696773437

Dimensional drawing

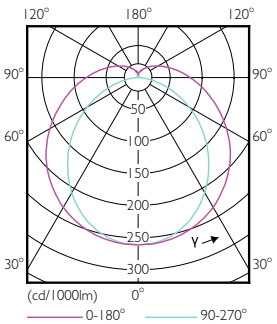


Product	D1	D2	A1	A2	A3
MAScon LEDtube IA 1200mm UO 16.5W830 T8	25.7 mm	28 mm	1,199.4 mm	1,205.3 mm	1,212.4 mm

Photometric data



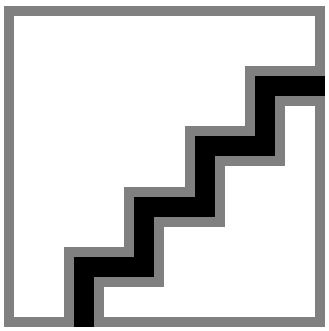
General uniform lighting - MAScon LEDtube IA 1200mm UO 16.5W830 T8



Light Distribution Diagram - MAScon LEDtube IA 1200mm UO 16.5W830 T8

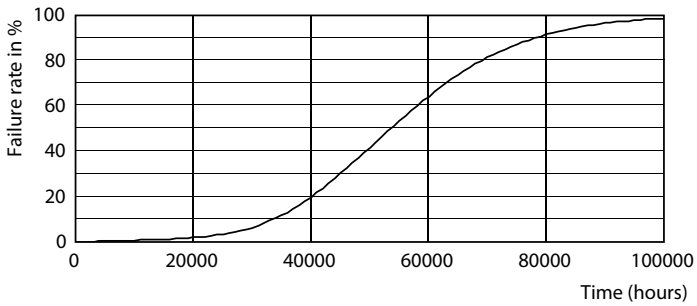
MasterConnect LEDtube EM/Mains T8

Photometric data

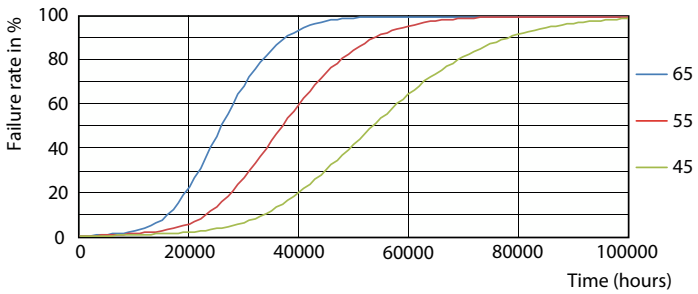


Spectral Power Distribution Colour - MAScon LEDtube IA 1200mm UO 16.5W830 T8

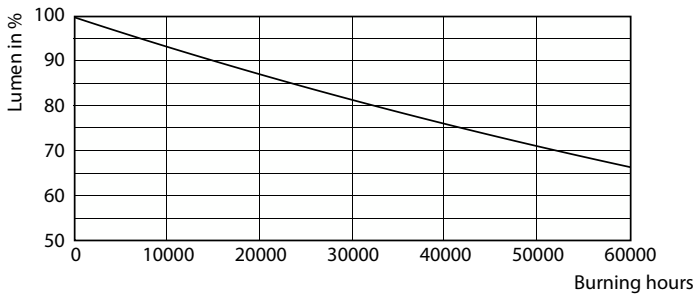
Lifetime



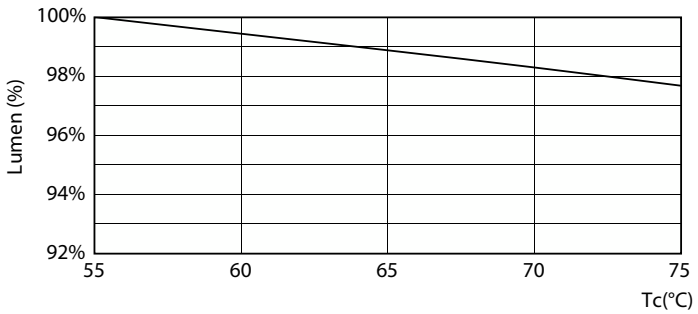
Life Expectancy Diagram - MAScon LEDtube IA 1200mm UO 16.5W830 T8



Life Expectancy Diagram - MAScon LEDtube IA 1200mm UO 16.5W830 T8



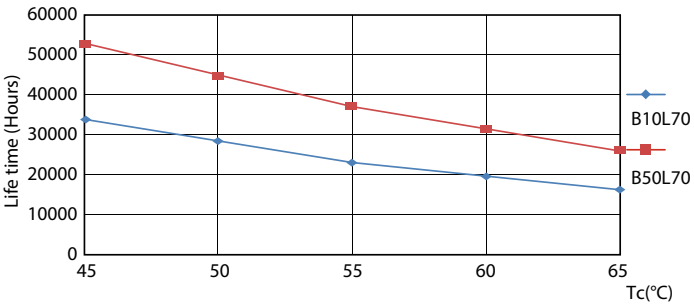
Lumen Maintenance Diagram - MAScon LEDtube IA 1200mm UO 16.5W830 T8



Lumen Maintenance Diagram - MAScon LEDtube IA 1200mm UO 16.5W830 T8

MasterConnect LEDtube EM/Mains T8

Lifetime



Life Expectancy Diagram - MAScon LEDtube IA 1200mm UO 16.5W830 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.