PHILIPS

Lighting



MasterConnect LEDtube EM/Mains T8

MAScon LEDtube IA 1200mm UO 16.5W865 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 (nom.)	50000 h
Switching cycle	200000X
B50L70	50000 h

Light Technical	
Colour code	865 [CCT of 6500K]
Beam Angle (Nom)	160 °
Luminous flux (nom.)	2500 lm
Luminous flux (rated) (nom.)	2500 lm
Rated beam angle	160 °
Correlated colour temperature (nom.)	6500 K
Colour consistency	<6
Color rendering index (nom.)	83
LLMF at end of nominal lifetime (nom.)	70 %

Operating and Electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	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 (nom.)	0.5 s
Power factor (nom.)	0.9
Voltage (Nom)	220-240 V

Temperature	
T ambient (max.)	45 °C
T ambient (min.)	-20 °C
T storage (max.)	65 °C
T storage (min.)	-40 °C
T-Case maximum (nom.)	45 °C

Mechanical and Housing	
Product length	1200 mm

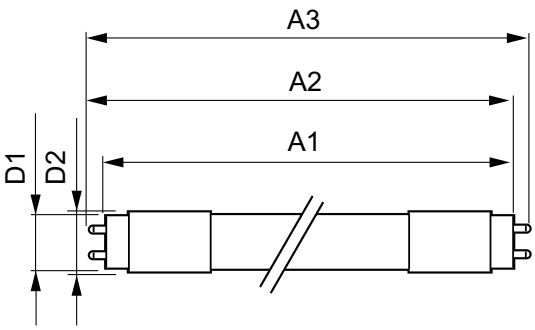
MasterConnect LEDtube EM/Mains T8

Approval and Application	
Energy-saving product	Yes
Energy efficiency label (EEL)	A++
Approval marks	CE marking RoHS compliance KEMA Keur certificate
Energy Consumption kWh/1000 h	17 kWh

Product Data	
Full product code	871869677346800
Order product name	MAScon LEDtube IA 1200mm UO 16.5W865 T8

EAN/UPC – product	8718696773468
Order code	77346800
Numerator – quantity per pack	1
Numerator – packs per outer box	10
Material no. (12NC)	929001813902
Net weight (piece)	0.251 kg

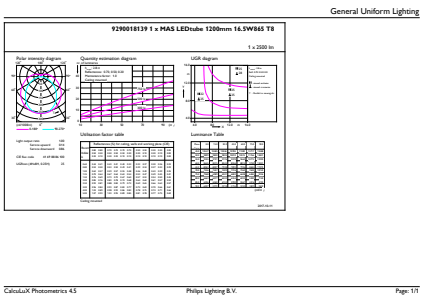
Dimensional drawing

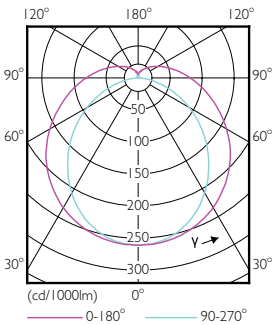


TLED 1200mmm 16.5W 2500lm 6500K G13 D

Product	D1	D2	A1	A2	A3
MAScon LEDtube IA 1200mm UO 16.5W865 T8	25.7 mm	28 mm	1199.4 mm	1205.3 mm	1212.4 mm

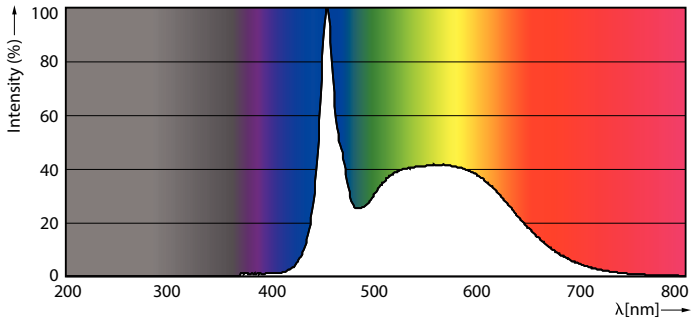
Photometric data





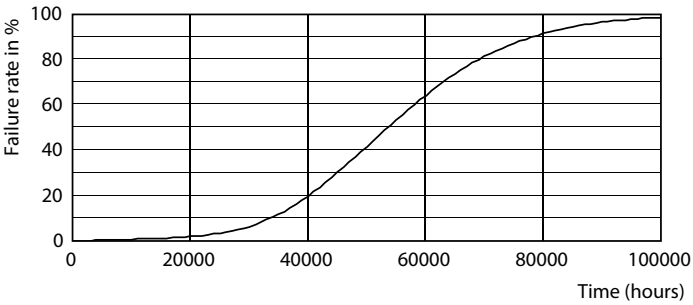
16-5W G13 830 3000K

Photometric data

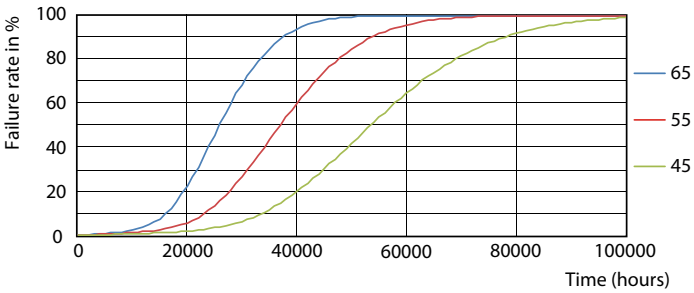


16-5W G13

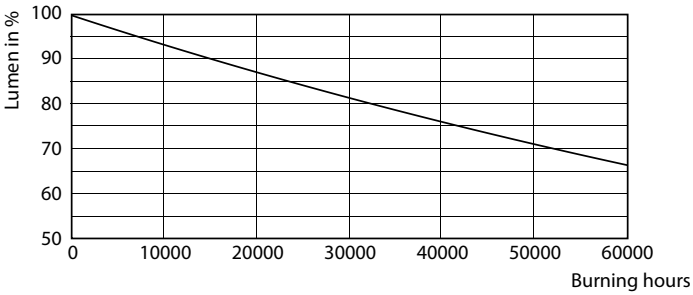
Lifetime



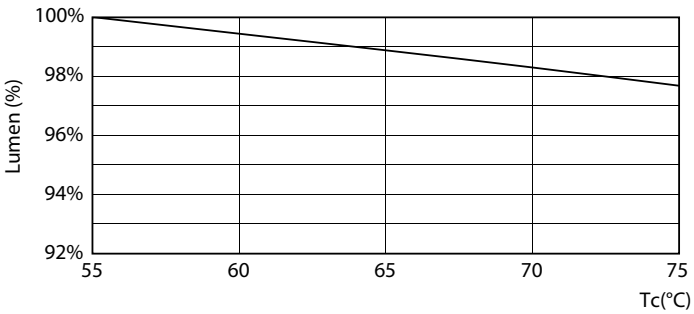
16-5W G13



16-5W G13



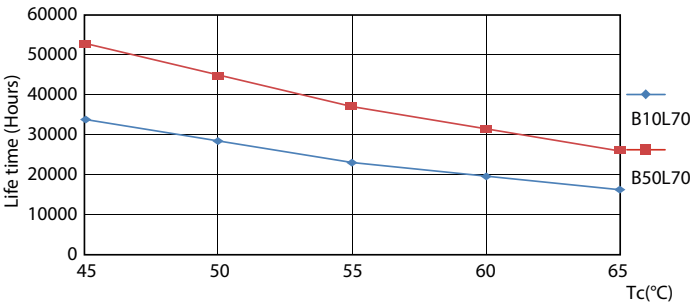
16-5W G13



16-5W G13

MasterConnect LEDtube EM/Mains T8

Lifetime



16-5W G13

© 2018 Philips Lighting Holding B.V. All rights reserved. Philips Lighting reserves the right to make changes in specifications and/or to discontinue any product at any timewithout notice or obligation and will not be liable for any consequences resulting from the use of this publication.