PHILIPS

Lighting



MasterConnect T8

14T8/48-835/IF20/MC IA 10/1

Introducing MasterConnect LED lamps - smart retrofit LED lamps that give you an easy and seamless way to upgrade to connected lighting. Simply set up with an intuitive app, MasterConnect LED lamps can be programmed to maximize energy savings, while providing wireless and automated light for your comfort and convenience. What's more, it is fully scalable and upgradable. If you want to enjoy further benefits such as remote control or management dashboard, you can simply keep the currently installed lamps and add a gateway to experience all the advantages of a cloud-based system. There's no better way to take lighting solutions to the next level.

Product data

General information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	70000 h
Switching Cycle	50000
Tier	MasterConnect

Light technical	
Color Code	835 [CCT of 3500K]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	2000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	142.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical	
Input Frequency	28K to 100K Hz
Power (Nom)	14 W
Lamp Current (Max)	380 mA
Lamp Current (Min)	120 mA
Wattage Equivalent	25-28-30-32 W
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
UL Type	TLED_Type A; UL listed HF
Power Factor (Nom)	0.9
Voltage (Nom)	100-380 V

Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Range)	-40 °C to 65 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

MasterConnect T8

T-Case Maximum (Nom)	40 °C

Energy Consumption kWh/1000 h	- kWh

Controls and dimming

Dimmable	Wireless Dim

Application conditions

Ambient temperature range	-20 °C to 45 °C

Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1200 mm
Bulb Shape	Tube, double-ended

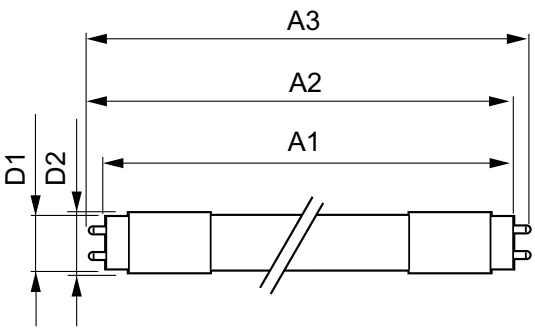
Product data

Order product name	14T8/48-835/IF20/MC IA 10/1
EAN/UPC - Product	046677547295
Order code	929002051804
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002051804
Net Weight (Piece)	0.220 kg

Approval and application

Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance

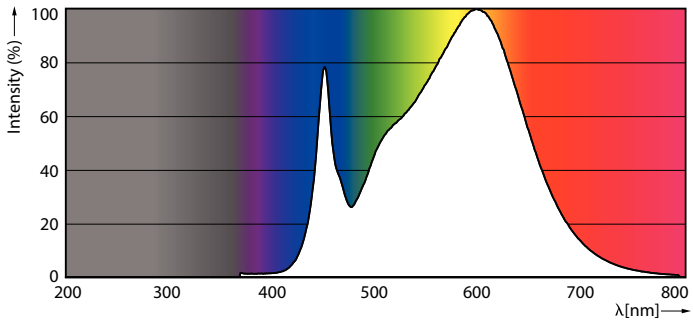
Dimensional drawing



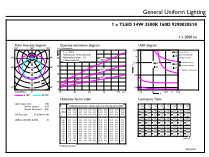
14T8/48-835/IF20/MC IA 10/1

Product	D1	D2	A1	A2	A3
14T8/48-835/IF20/MC IA 10/1	25.7 mm	26.3 mm	1198 mm	1205 mm	1212 mm

Photometric data

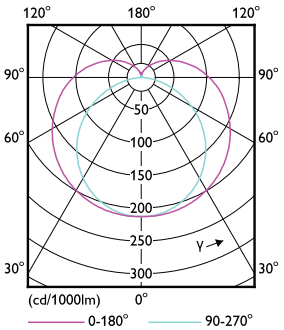


LEDtube 14W G13 2000lm 835



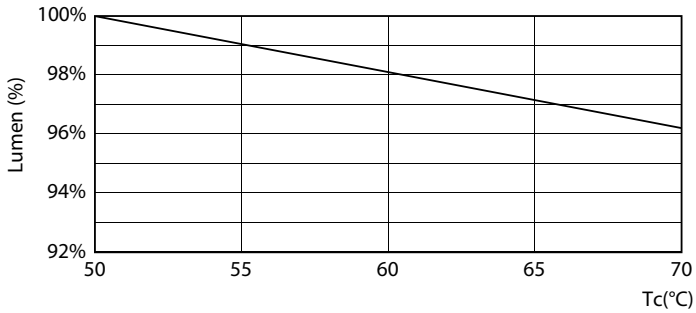
LEDtube 14W G13 2000lm 835

Photometric data

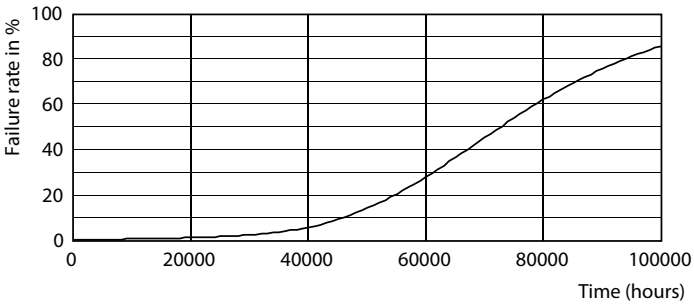


LEDtube 14W G13 2000lm

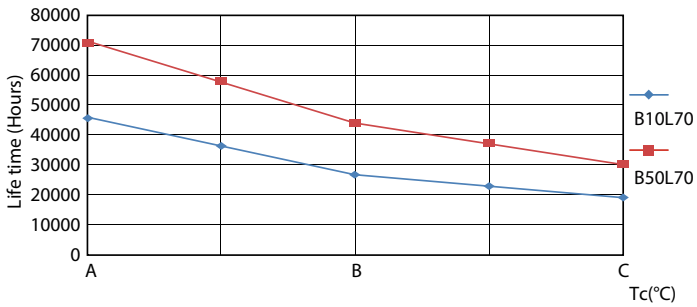
Lifetime



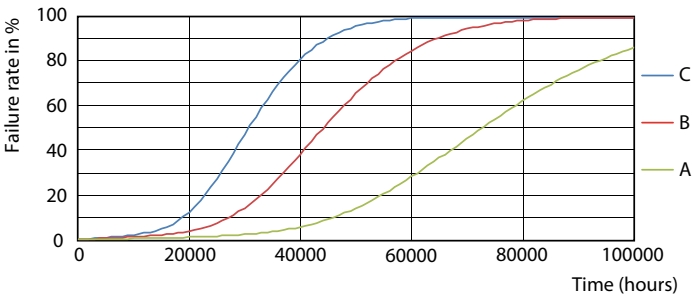
MC LEDtube 16W 60K LumenVsTc



Life Expectancy Diagram



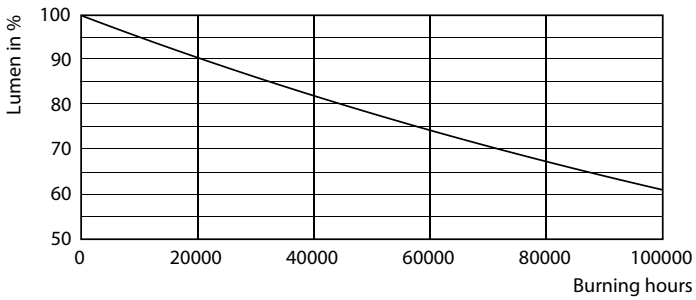
LEDtube_70K_LifetimeVsTc-LED



LEDtube_70K_FailureRate-LED

MasterConnect T8

Lifetime



Lumen Maintenance Diagram

© 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.