MasterConnect T8

14.5T8/48-835/MF20/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 ROT (Rotating) [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)	137.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	82

LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical

Input Frequency	50 to 60 Hz
Power (Nom)	14.5 W
Lamp Current (Max)	125 mA
Lamp Current (Min)	59 mA
Wattage Equivalent	25-28-30-32 W
Starting Time (Nom)	1 s
Warm Up Time to 60% Light (Nom)	0.5 s
UL Type	TLED_Type B; UL classified double end
Power Factor (Nom)	0.9
Voltage (Nom)	120-277 V

Temperature

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

data subject to change

MasterConnect T8

T–Storage (Max)	65 °C
T–Storage (Min)	–40 °C
T–Case Maximum (Nom)	45 °C

Controls and dimming

Dimmable	Wireless Dim

Mechanical and housing

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

Approval and application

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

Energy Consumption kWh/1000 h	– kWh

Application conditions

Ambient temperature range	–20 °C to 45 °C

Product data

Order product name	14.5T8/48–835/MF20/MC IA 10/1
EAN/UPC – Product	046677562731
Order code	929002456604
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	10
Material Nr. (12NC)	929002456604
Net Weight (Piece)	0.220 kg
Model Number	9290024566

Dimensional drawing
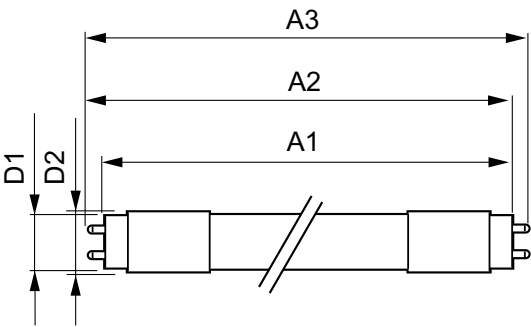
14.5T8/48–835/MF20/MC IA 10/1

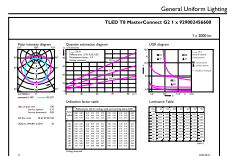| Product	D1	D2	A1	A2	A3
14.5T8/48–835/MF20/MC IA 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Photometric data
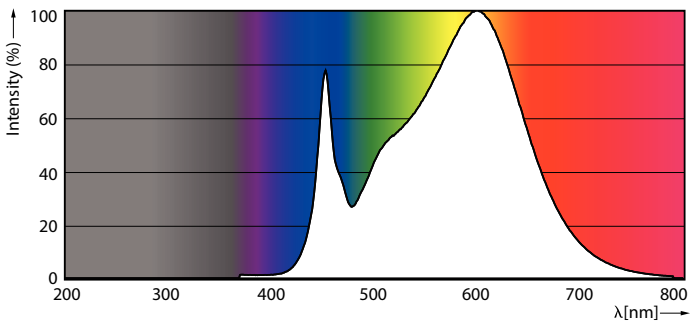
LEDtube MAS 14,5W G13 2000lm 835
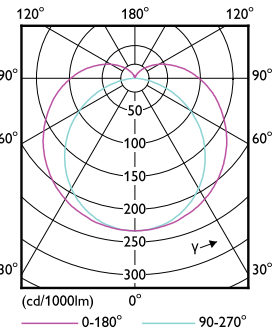
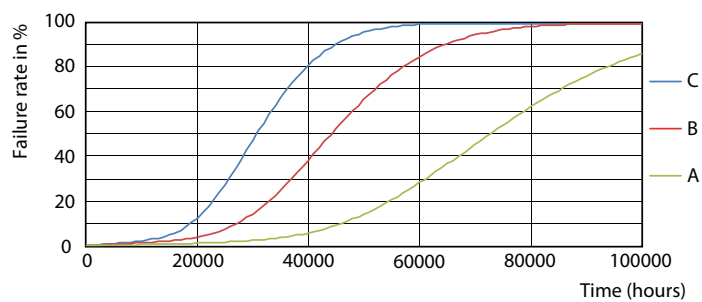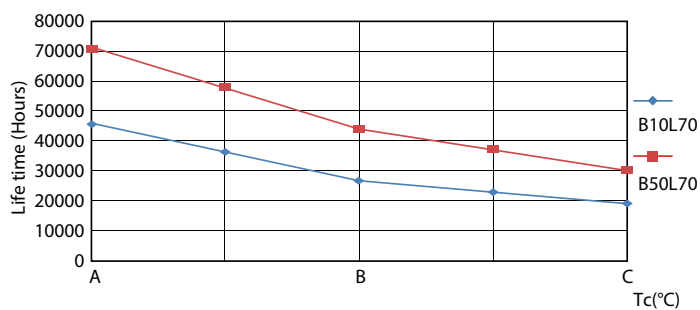LEDtube MAS 14,5W G13 2100lm

MasterConnect T8

Photometric data

General Uniform Lighting

LEDtube MAS 14,5W G13 2000lm 835

Lifetime

LEDtube 14,5W 70K LumenVsTc
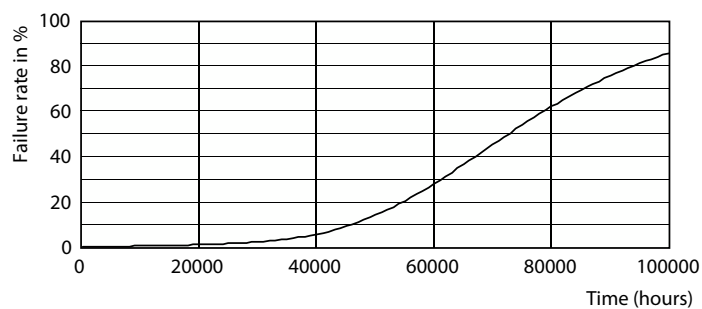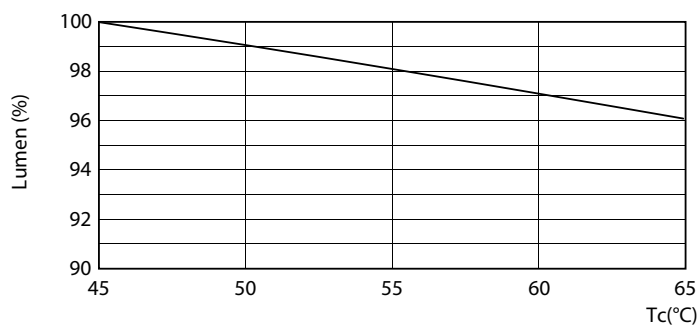
Life Expectancy Diagram

LEDtube_70K_LifetimeVsTc-LED

LEDtube_70K_FailureRate-LED

MasterConnect T8

Lifetime
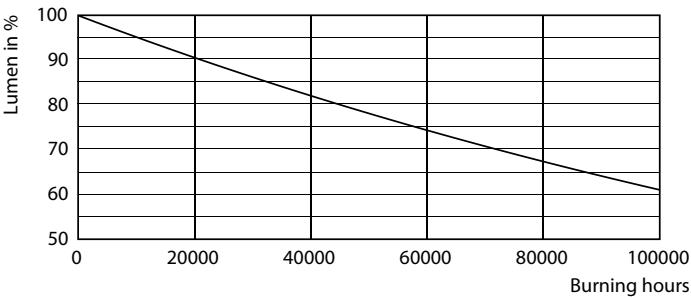
Lumen Maintenance Diagram

www.lighting.philips.com

2023, March 25 – data subject to change