



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]
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	835 [CCT of 3500K]
Beam Angle (Nom)	160 degree(s)
Luminous Flux	2,000 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 (CRI)	82

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	14.5 W
Lamp Current (Max)	125 mA
Lamp Current (Min)	59 mA
Wattage Equivalent	32 W
Starting Time (Nom)	1 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277 V
UL Type	UL Type B
Temperature	
Ambient temperature range	-4 °F to 113 °F

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T-Case Maximum (Nom)	113 °F
Controls and Dimming	
Dimmable	Wireless Dim
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	47-1/4 inch
Bulb Shape	T8
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
Energy Consumption kWh/1000 h	- kWh

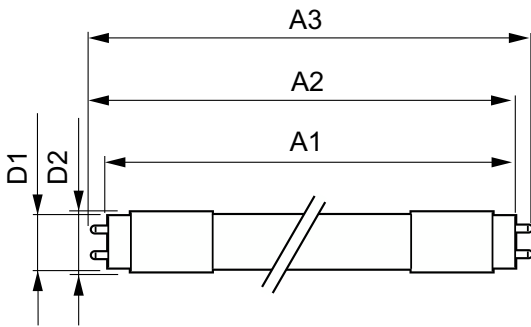
Application Conditions

can it be used in closed luminaires Yes

Product Data

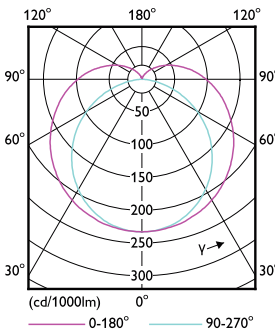
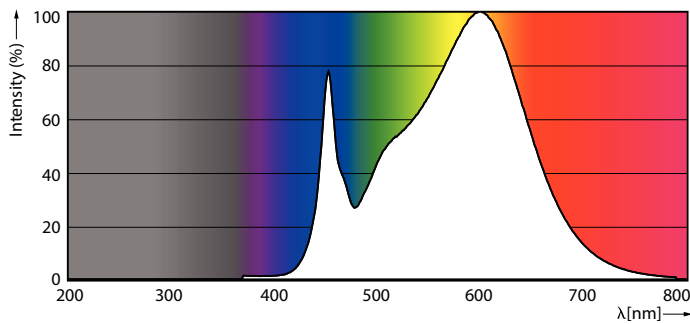
Order product name	14.5T8/48-835/MF20/MC IA 10/1
Full product name	14.5T8/48-835/MF20/MC IA 10/1
Order code	562736
Material Nr. (12NC)	929002456604
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677562731
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677562736

Dimensional drawing



Product	D1	D2	A1	A2	A3
14.5T8/48-835/MF20/MC IA 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data

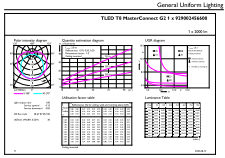


Spectral Power Distribution Colour - 14.5T8/48-835/MF20/MC IA 10/1

Light Distribution Diagram - 14.5T8/48-835/MF20/MC IA 10/1

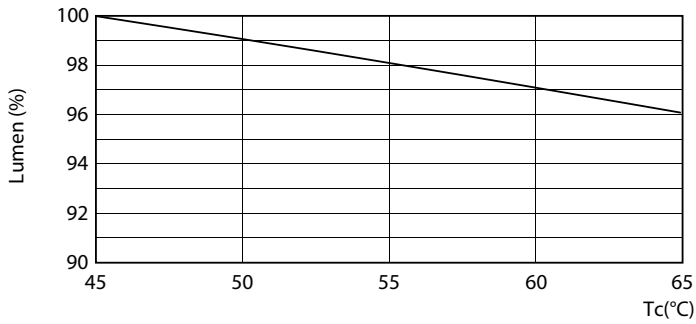
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Photometric data

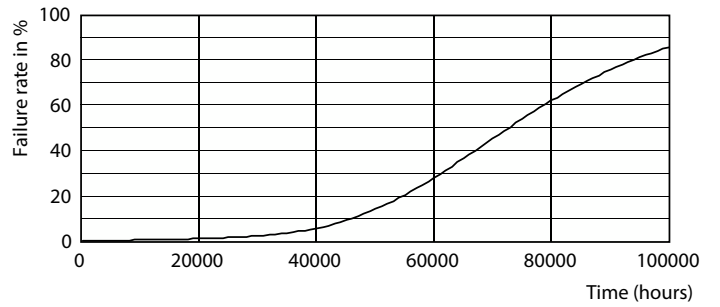


General uniform lighting - 14.5T8/48-835/MF20/MC IA 10/1

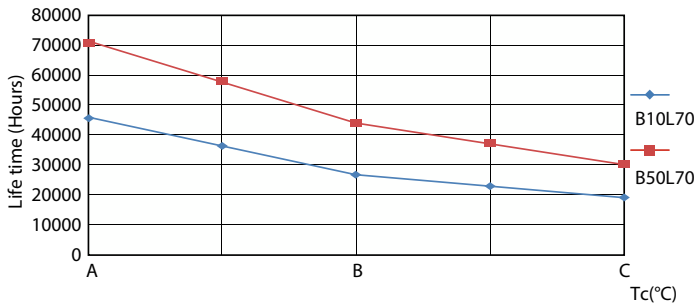
Lifetime



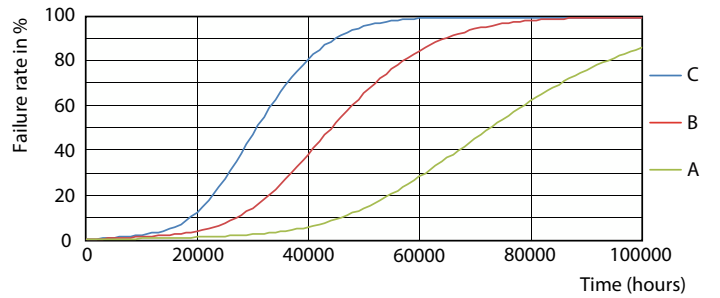
Lumen Maintenance Diagram - 14.5T8/48-835/MF20/MC IA 10/1



Life Expectancy Diagram - 14.5T8/48-835/MF20/MC IA 10/1



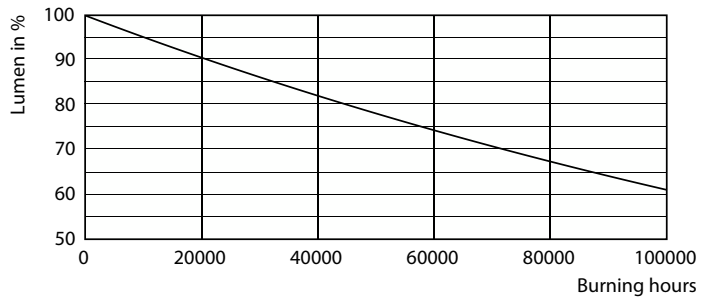
Life Expectancy Diagram - 14.5T8/48-835/MF20/MC IA 10/1



Life Expectancy Diagram - 14.5T8/48-835/MF20/MC IA 10/1

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Lifetime



Lumen Maintenance Diagram - 14.5T8/48-835/MF20/MC IA 10/1

