



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		Operating and Electrical	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Line Frequency	28K to 100K Hz
Nominal lifetime	70,000 hour(s)	Input Frequency	28K to 100K Hz
Switching Cycle	50,000	Power Consumption	14 W
Lighting Technology	LED	Lamp Current (Max)	380 mA
EU RoHS compliant	Yes	Lamp Current (Min)	120 mA
Light Technical		Wattage Equivalent	32 W
Color Code	835 [CCT of 3500K]	Starting Time (Nom)	0.5 s
Beam Angle (Nom)	160 degree(s)	Warm-up time to 60% light	0.5 s
Luminous Flux	2,000 lm	Power Factor (Fraction)	0.9
Color Designation	White (WH)	Voltage (Nom)	100-380 V
Correlated Color Temperature (Nom)	3500 K	UL Type	UL Type A
Luminous Efficacy (rated) (Nom)	142.00 lm/W	Temperature	
Color Consistency	<6	Ambient temperature range	-4 °F to 113 °F
Color rendering index (CRI)	82	T-Case Maximum (Nom)	104 °F
LLMF At End Of Nominal Lifetime (Nom)	70 %		

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Controls and Dimming

Dimmable	Wireless Dim
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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

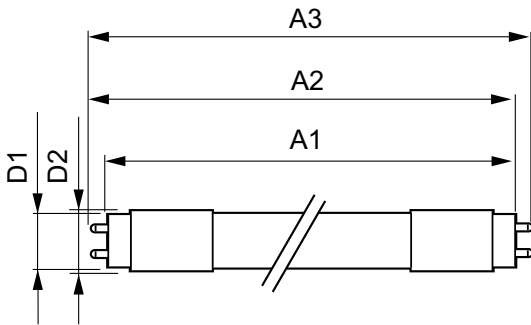
Application Conditions

can it be used in closed luminaires	Yes
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Product Data

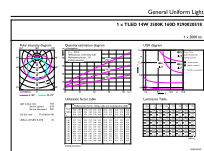
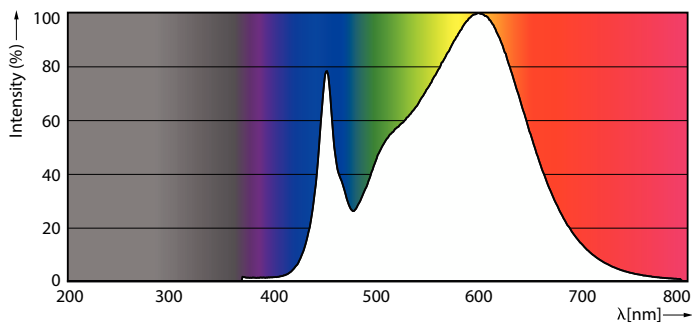
Order product name	14T8/48-835/IF20/MC IA 10/1
Full product name	14T8/48-835/IF20/MC IA 10/1
Order code	547299
Material Nr. (12NC)	929002051804
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677547295
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677547290

Dimensional drawing



Product	D1	D2	A1	A2	A3
14T8/48-835/IF20/MC IA 10/1	25.7 mm	26.3 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data

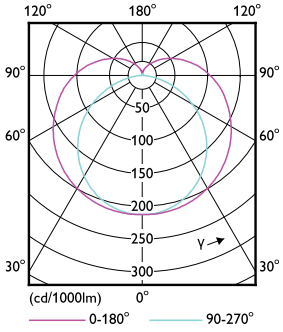


Spectral Power Distribution Colour - 14T8/48-835/IF20/MC IA 10/1

General uniform lighting - 14T8/48-835/IF20/MC IA 10/1

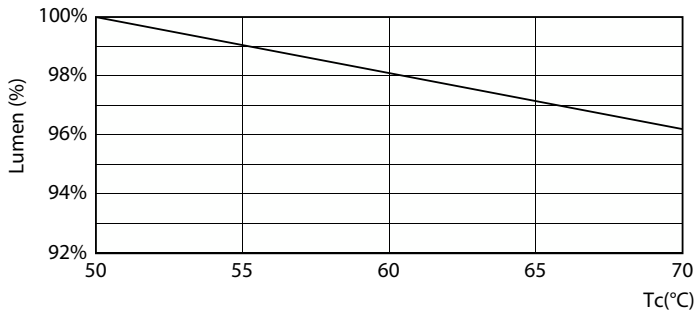
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Photometric data

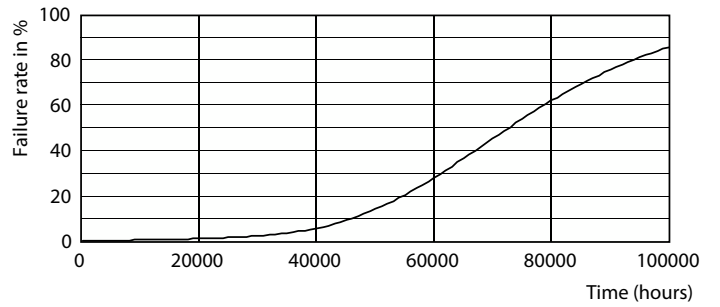


Light Distribution Diagram - 14T8/48-835/IF20/MC IA 10/1

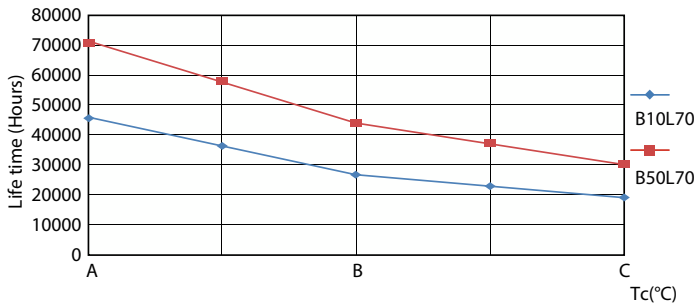
Lifetime



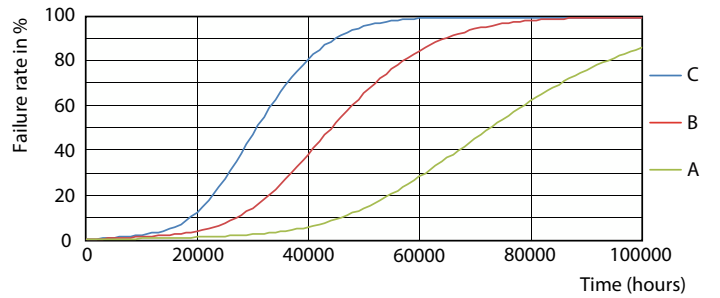
Lumen Maintenance Diagram - 14T8/48-835/IF20/MC IA 10/1



Life Expectancy Diagram - 14T8/48-835/IF20/MC IA 10/1



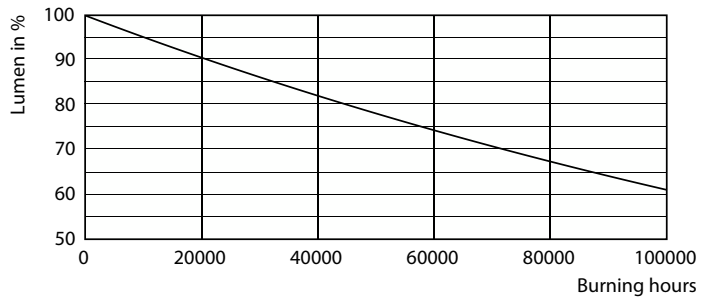
Life Expectancy Diagram - 14T8/48-835/IF20/MC IA 10/1



Life Expectancy Diagram - 14T8/48-835/IF20/MC IA 10/1

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Lifetime



Lumen Maintenance Diagram - 14T8/48-835/IF20/MC IA 10/1

