



# 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

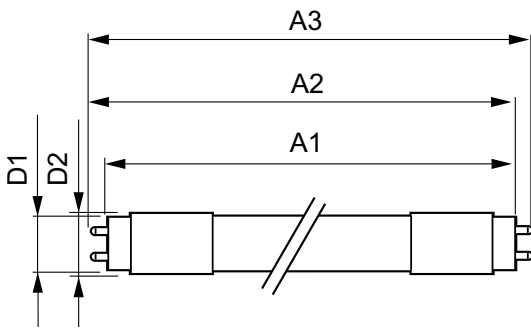
General Information		Operating and Electrical	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Line Frequency	28K to 100K Hz
Nominal lifetime	70,000 hour(s)	Input Frequency	28K to 100K Hz
Switching Cycle	50,000	Power Consumption	14 W
Lighting Technology	LED	Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.9
		Voltage (Nom)	100-380 V
Light Technical		Temperature	
Color Code	835 [CCT of 3500K]	Ambient temperature range	-20 °C to 45 °C
Beam Angle (Nom)	160 degree(s)	T-Case Maximum (Nom)	104 °F
Luminous Flux	2,000 lumen		
Color Designation	White (WH)	Controls and Dimming	
Correlated Color Temperature (Nom)	3500 K	Dimmable	Wireless Dim
Luminous Efficacy (rated) (Nom)	142.00 lm/W		
Color Consistency	<6	Mechanical and Housing	
Color rendering index (CRI)	82	Bulb Finish	Frosted
LLMF At End Of Nominal Lifetime (Nom)	70 %		

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Bulb Material	Plastic
Product Length	47-1/4 inch
Bulb Shape	Tube, double-ended
<b>Approval and Application</b>	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
Energy Consumption kWh/1000 h	- kWh
EU RoHS compliant	Yes

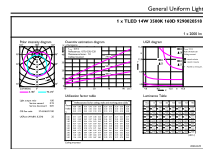
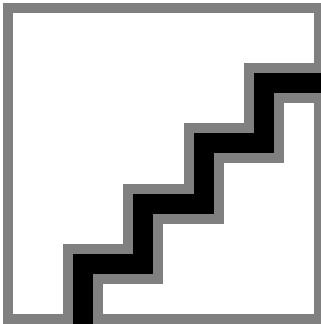
<b>Product Data</b>	
Order product name	14T8/48-835/IF20/MC IA 10/1
Order code	547299
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material number (12NC)	929002051804
Full product name	14T8/48-835/IF20/MC IA 10/1
EAN/UPC - Case	50046677547290

## 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

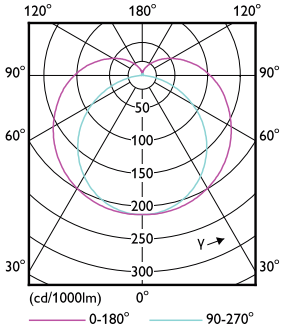


General Uniform Lighting  
14 TUBE 14W 280K 1400 KIN020110  
L1 020110

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

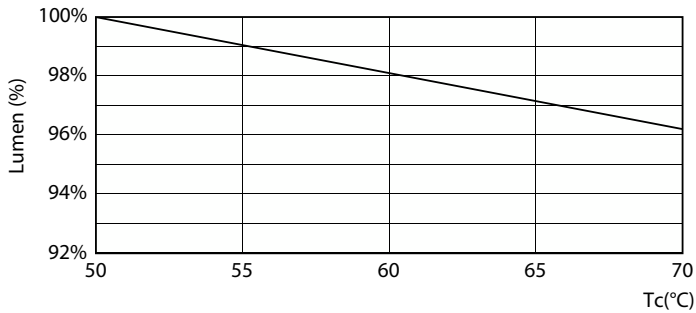
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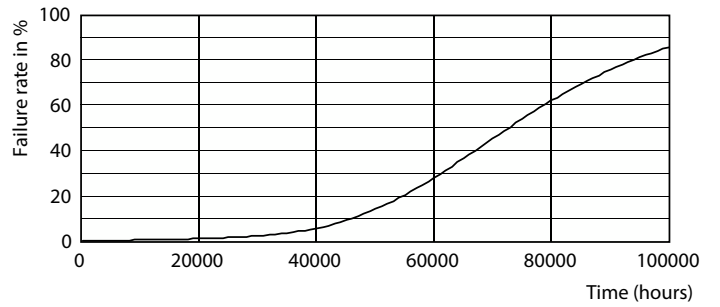


Light Distribution Diagram - 14T8/48-835/IF20/MC IA 10/1

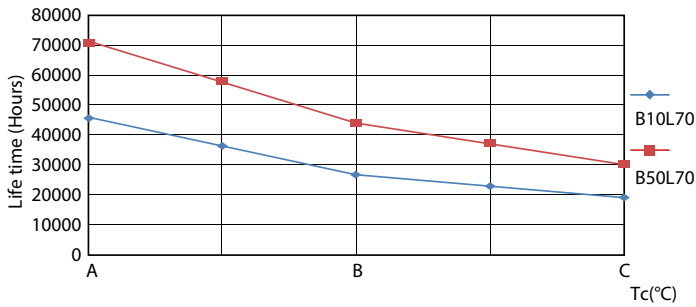
## Lifetime



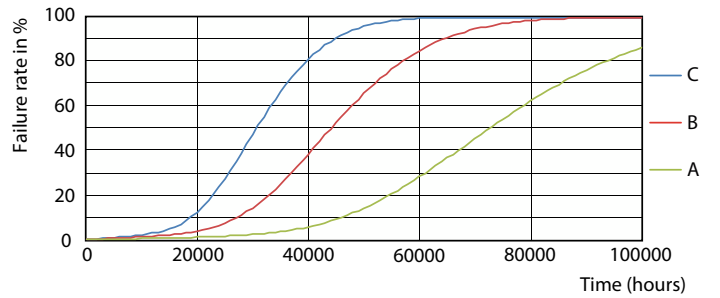
Lumen Maintenance Diagram - 14T8/48-835/IF20/MC IA 10/1



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



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## Lifetime



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

