



# MasterConnect T8

## 14T8/48-835/IF20/MAScon 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

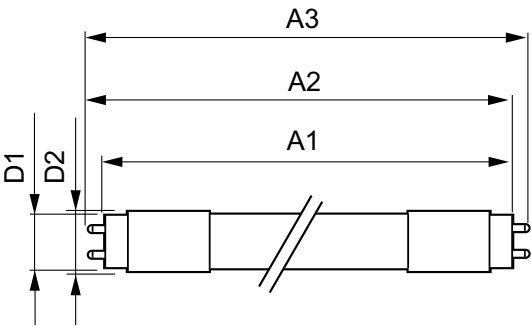
General Information		Operating and Electrical	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Line Frequency	50 to 60 Hz
Nominal lifetime	50,000 hour(s)	Input Frequency	50 to 60 Hz
Switching Cycle	50,000	Power Consumption	14 W
Lighting Technology	LED	Lamp Current (Max)	240 mA
EU RoHS compliant	Yes	Lamp Current (Min)	130 mA
Light Technical		Starting Time (Nom)	0.5 s
Color Code	835 [CCT of 3500K]	Warm-up time to 60% light	0.5 s
Beam Angle (Nom)	160 degree(s)	Power Factor (Fraction)	0.9
Luminous Flux	2,000 lm	Voltage (Nom)	120-277, 347 V
Color Designation	White (WH)	Temperature	
Correlated Color Temperature (Nom)	3500 K	Ambient temperature range	-4 °F to 113 °F
Luminous Efficacy (rated) (Nom)	142.86 lm/W	T-Case Maximum (Nom)	104 °F
Color Consistency	<6	Controls and Dimming	
Color rendering index (CRI)	82	Dimmable	Wireless Dim
LLMF At End Of Nominal Lifetime (Nom)	70 %		

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Mechanical and Housing	
Product Length	47-1/4 inch
Bulb Shape	Tube, double-ended
Approval and Application	
Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance
Energy Consumption kWh/1000 h	- kWh
Energy Certifications	DLC Standard

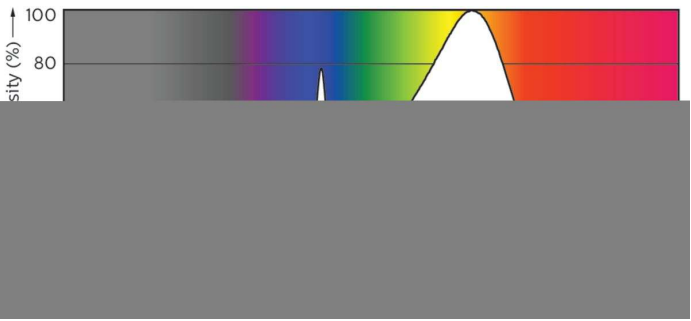
Product Data	
Order product name	14T8/48-835/IF20/MAScon IA 10/1
Full product name	14T8/48-835/IF20/MAScon IA 10/1
Order code	537183
Material Nr. (12NC)	929001281264
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677537180
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677537185

Dimensional drawing

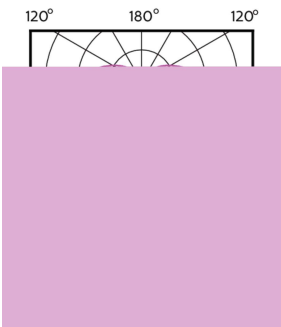


Product	D1	D2	A1	A2	A3
14T8/48-835/IF20/ MAScon IA 10/1	1-1/16 inch	1-1/16 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data

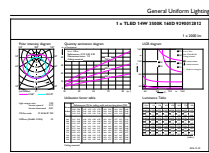


Spectral Power Distribution Colour - 14T8/48-835/IF20/MAScon IA 10/1



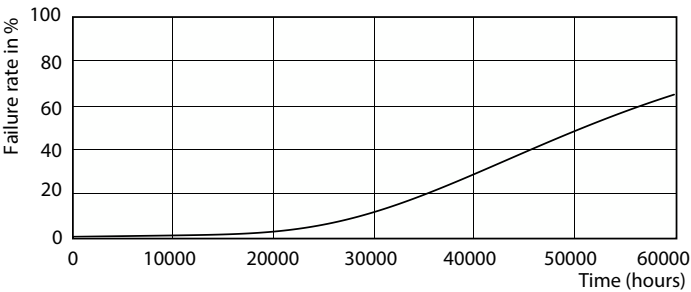
Light Distribution Diagram - 14T8/48-835/IF20/MAScon IA 10/1

Photometric data

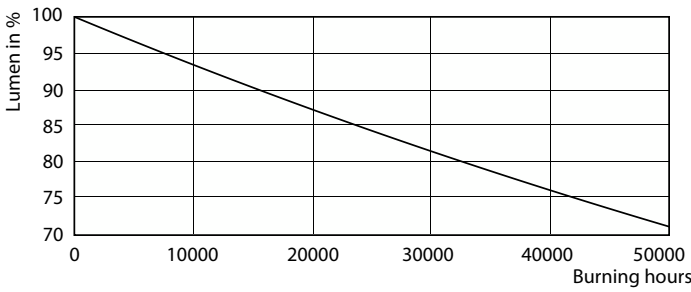


General uniform lighting - 14T8/48-835/IF20/MAScon IA 10/1

Lifetime



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



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

