

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

6 11.6					
General Information					
Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	50,000 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)	142.86 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 W			
Lamp Current (Max)	240 mA			
Lamp Current (Min)	130 mA			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	120-277, 347 V			
Temperature				
Ambient temperature range	-4 °F to 113 °F			
T-Case Maximum (Nom)	104 °F			
Controls and Dimming				
Dimmable	Wireless Dim			

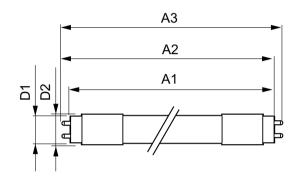
Datasheet, 2023, November 12 data subject to change

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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			

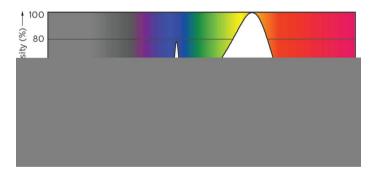
Product Data				
Order product name	14T8/48-835/IF20/MAScon IA 10/1			
Full product name	14T8/48-835/IF20/MAScon IA 10/1			
Order code	537183			
Material Nr. (12NC)	929001281264			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677537180			
Numerator - Packs per outer box	10			
EAN/UPC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

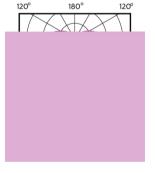
Dimensional drawing



Product	D1	D2	A1	A2	А3
14T8/48-835/IF20/	1-1/16 inch	1-1/16 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch
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Photometric data



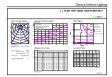


Spectral Power Distribution Colour - 14T8/48-835/IF20/MAScon IA 10/1

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

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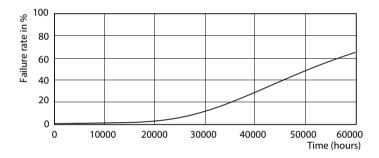
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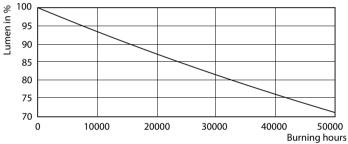


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General uniform lighting - 14T8/48-835/IF20/MAScon IA 10/1

Lifetime





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

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



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