

# **MasterConnect T8**

# 14T8/48-830/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				
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	830 [CCT of 3000K]			
Beam Angle (Nom)	160 degree(s)			
Luminous Flux	2,000 lm			
Color Designation	White (WH)			
Correlated Color Temperature (Nom)	3000 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			

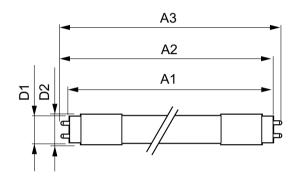
Datasheet, 2023, November 12 data subject to change

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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		

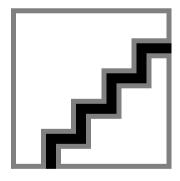
Product Data			
Order product name	14T8/48-830/IF20/MAScon IA 10/1		
Full product name	14T8/48-830/IF20/MAScon IA 10/1		
Order code	537175		
Material Nr. (12NC)	929001281164		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	046677537173		
Numerator - Packs per outer box	10		
EAN/UPC - Case	50046677537178		

# Dimensional drawing

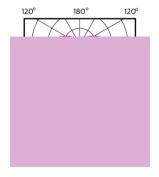


Product	D1	D2	A1	A2	A3
14T8/48-830/IF20/	1-1/16 inch	1-1/16 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch
MAScon IA 10/1					

### Photometric data



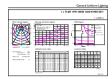
Spectral Power Distribution Colour - 14T8/48-830/IF20/MAScon IA 10/1



Light Distribution Diagram - 14T8/48-830/IF20/MAScon IA 10/1

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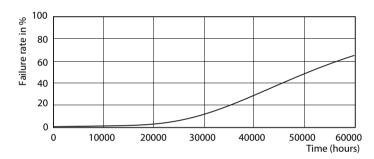
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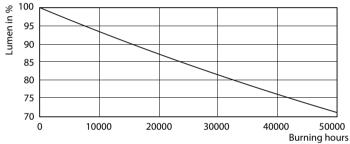


Calculat Photometrics 4.5 Philips Lighting B.V. Page

General uniform lighting - 14T8/48-830/IF20/MAScon IA 10/1

### Lifetime





Life Expectancy Diagram - 14T8/48-830/IF20/MAScon IA 10/1

Lumen Maintenance Diagram - 14T8/48-830/IF20/MAScon IA 10/1



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