



# 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		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
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	
Light Technical		Temperature	
Color Code	830 [CCT of 3000K]	Ambient temperature range	-20 °C to 45 °C
Beam Angle (Nom)	160 degree(s)	T-Case Maximum (Nom)	40 °C
Luminous Flux	2,000 lm	Controls and Dimming	
Color Designation	White (WH)	Dimmable	Wireless Dim
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 %		

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## Mechanical and Housing

Product Length	1,200 mm
Bulb Shape	Tube, double-ended

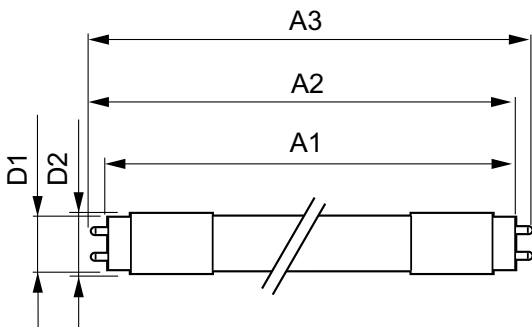
## Approval and Application

Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance
Energy Consumption kWh/1000 h	- kWh
Energy Certifications	DLC Standard

## Product Data

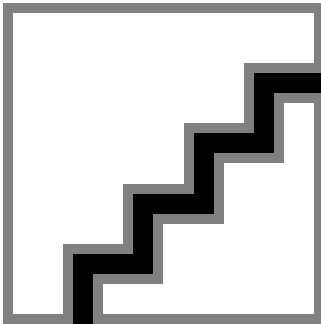
Order product name	14T8/48-830/IF20/MAScon IA 10/1
Full product name	14T8/48-830/IF20/MAScon IA 10/1
Order code	929001281164
Material Nr. (12NC)	929001281164
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677537173
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677537178

## Dimensional drawing

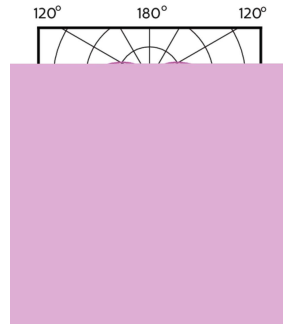


Product	D1	D2	A1	A2	A3
14T8/48-830/IF20/MAScon IA 10/1	25.7 mm	26.3 mm	1,198 mm	1,205 mm	1,212 mm

## Photometric data



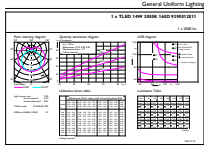
Spectral Power Distribution Colour - 14T8/48-830/IF20/MAScon IA 10/1



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

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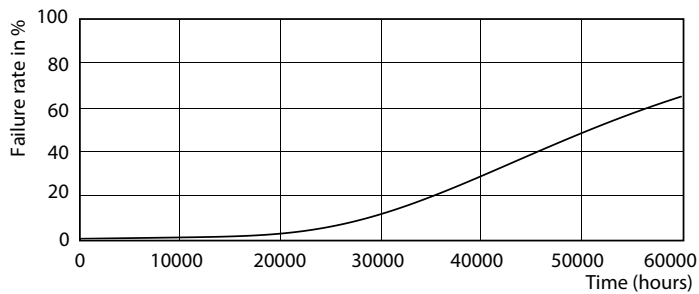
## Photometric data



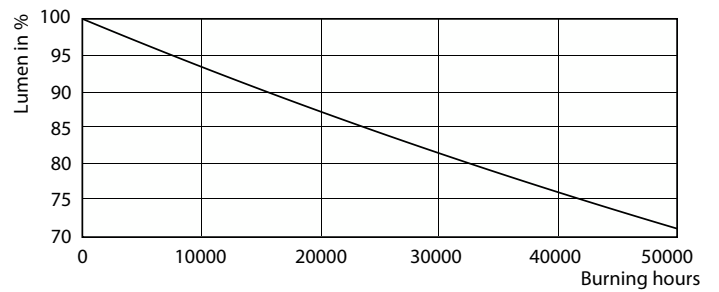
General Information 41 Photo Lighting 8.1 Page 17

### 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

