



# MasterConnect T8

## 14T8/48-840/IF21/MAScon IA 10/1

Philips MasterConnect LEDtube InstantFit T8, which is Interact Ready, enables an easy upgrade to a connected lighting system without re-wiring the fixtures. The 2.4GHz mesh networking technology allows wireless integration with a variety of control devices, such as sensor and switch, for easy light automation. It also offers secure and reliable communication towards the Interact IoT platform or verified third party systems. The result? Greater energy savings, various control possibilities and a more adaptable space!

### Product data

General Information	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	50000 h
Switching Cycle	50000X
Light Technical	
Color Code	841 [ CCT of 4100K (841)]
Beam Angle (Nom)	160 °
Luminous Flux (Nom)	2100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	14 W

Lamp Current (Max)	240 mA
Lamp Current (Min)	130 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	120-277, 347 V
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	40 °C
Controls and Dimming	
Dimmable	Wireless Dim
Mechanical and Housing	
Product Length	1200 mm

# MasterConnect T8

## Approval and Application

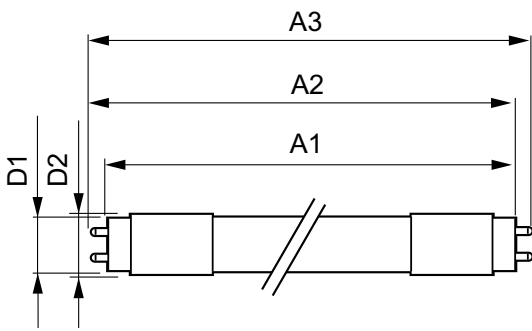
Energy Efficiency Label (EEL)	Not applicable
Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance
Energy Consumption kWh/1000 h	- kWh
Energy Certifications	DLC Standard

## Product Data

Order product name	14T8/48-840/IF21/MAScon IA 10/1
--------------------	---------------------------------

EAN/UPC - Product	046677537197
Order code	537191
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001281364
Net Weight (Piece)	0.220 kg

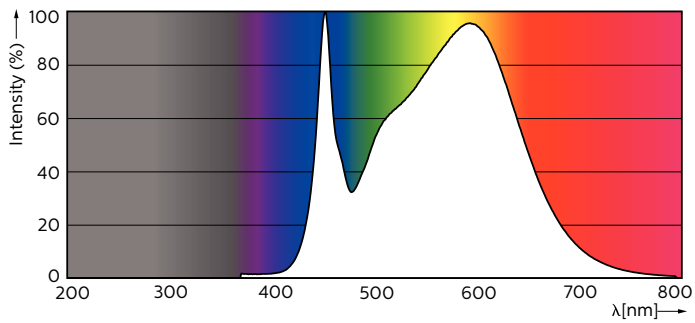
## Dimensional drawing



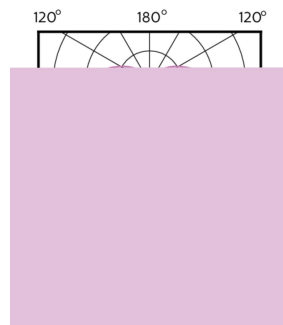
14T8/48-4000 IF 10/1 EasySmart

Product	D1	D2	A1	A2	A3
14T8/48-840/IF21/MAScon IA 10/1	25.7 mm	26.3 mm	1198 mm	1205 mm	1212 mm

## Photometric data



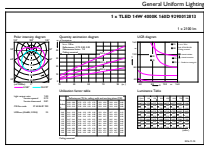
LEDtube 1200mm 14W G13 840 2100lm



LEDtube 1200mm 14W G13 2000lm

# MasterConnect T8

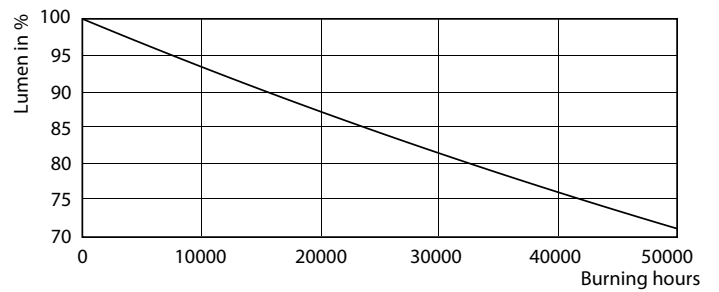
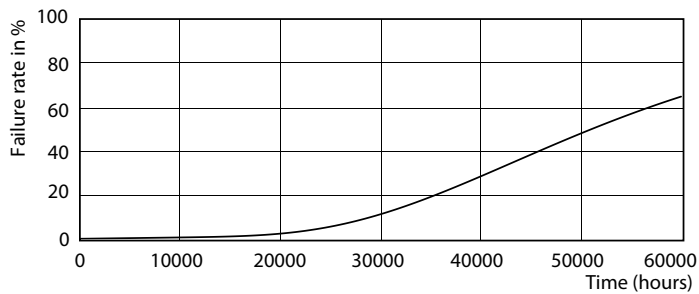
## Photometric data



General Uniform Lightness  
1 x 1200mm 14W G13 840 2100lm  
1 x 1200mm

### LEDtube 1200mm 14W G13 840 2100lm

## Lifetime



### LEDtube 1200mm 14W G13 2000lm

### LEDtube 1200mm 14W G13 2000lm

