



# MasterConnect T8

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

Philips MasterConnect LED Lamps, which are Interact Ready, enable an easy upgrade to a connected lighting system through Type A or Type B TLEDs, or via PAR38/30S/30L lamps. The 2.4GHz mesh networking technology allows wireless integration with a variety of sensors and switches, for easy light automation. With MasterConnect LED lamps, your system is fully scalable and upgradable. If you want to enjoy further benefits such as remote control or management dashboard, you can keep the currently installed lamps and simply add a gateway to experience all the advantages of a cloud-based (IoT) system. The result? Greater energy savings, various control possibilities and a more adaptable space!

### Product data

General Information	
Base	G13 [ Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	70000 h
Switching Cycle	50000X
Technical Type	14-25-28-30-32W
Light Technical	
Color Code	841 [ CCT of 4100K (841)]
Beam Angle (Nom)	160 °
Initial lumen (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	28K to 100K Hz
Power (Rated) (Nom)	14 W
Lamp Current (Max)	380 mA
Lamp Current (Min)	120 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	100-380 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

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## Controls and Dimming

Dimmable Wireless Dim

## Mechanical and Housing

Product Length 48 in

Bulb Shape Tube, double-ended

## Approval and Application

Energy Saving Product Yes

Approbation Marks RoHS compliance UL certificate DLC compliance

Energy Consumption kWh/1000 h - kWh

## Product Data

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

EAN/UPC - Product 046677547301

Order code 547307

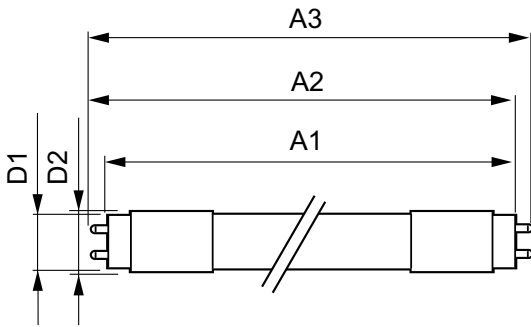
Numerator - Quantity Per Pack 1

Numerator - Packs per outer box 10

Material Nr. (12NC) 929002051904

Net Weight (Piece) 0.220 kg

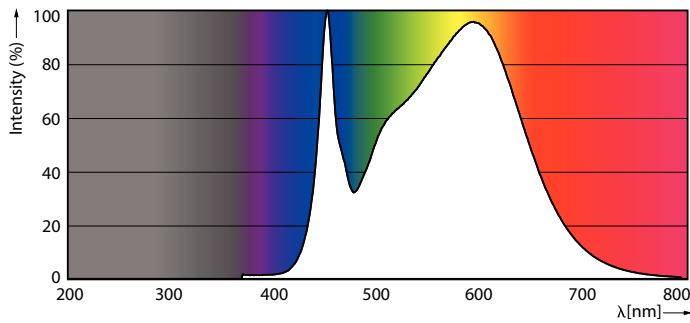
## Dimensional drawing



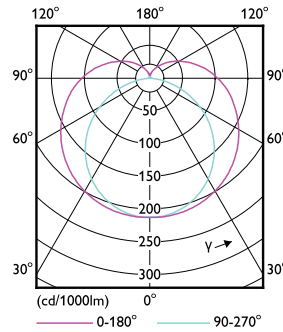
TLED 1200 120V 14-32W 2100lm 4000K G13

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

## Photometric data



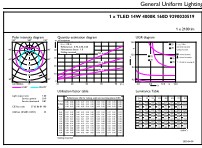
LEDtube 14W G13 2100lm 840



LEDtube 14W G13 2000lm

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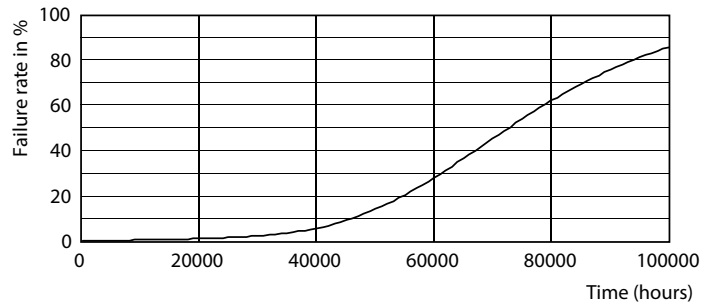
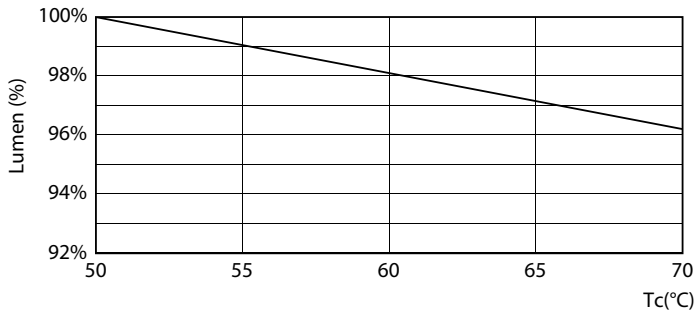
## Photometric data



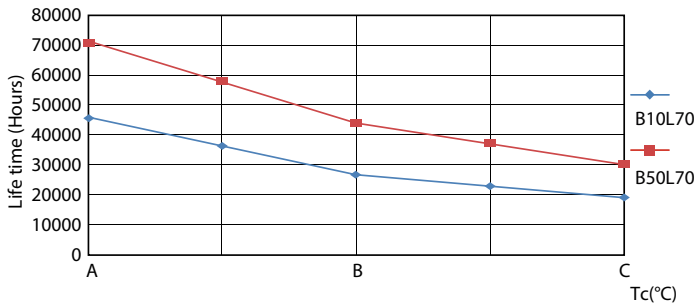
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LEDtube 14W G13 2100lm 840

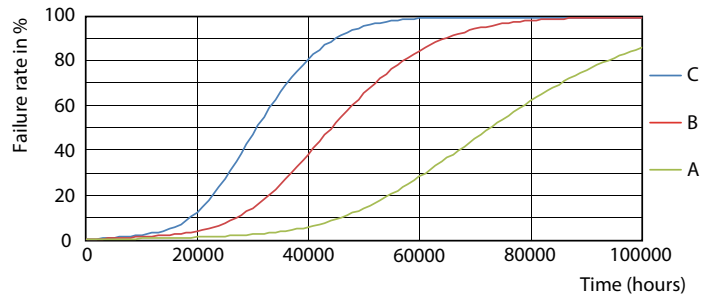
## Lifetime



MC LEDtube 16W 60K LumenVsTc



LEDtube\_70K-LED



LEDtube\_70K\_LifetimeVsTc-LED

LEDtube\_70K\_FailureRate-LED

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## Lifetime



LEDtube\_70K-LMP

