



# MasterConnect T8

## 14.5T8/48-840/MF21/MC 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 ROT (Rotating) [ Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	70000 h
Switching Cycle	50000X
Technical Type	14.5-25-28-30-32W
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)	144.00 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)	14.5 W
Lamp Current (Max)	125 mA
Lamp Current (Min)	59 mA
Starting Time (Nom)	1 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	120-277 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)	45 °C
Controls and Dimming	
Dimmable	Wireless Dim

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## Mechanical and Housing

Product Length	1200 mm
Bulb Shape	Tube, double-ended

## Approval and Application

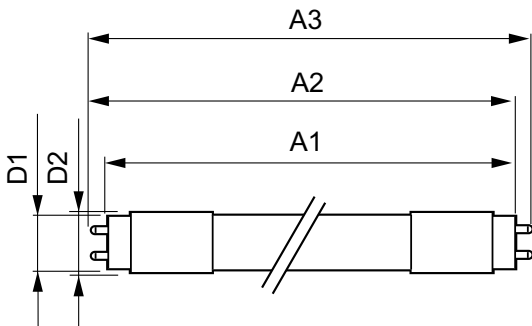
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
Energy Consumption kWh/1000 h	- kWh

## Product Data

Order product name	14.5T8/48-840/MF21/MC IA 10/1
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EAN/UPC - Product	046677562748
Order code	562744
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002456704
Net Weight (Piece)	0.220 kg
Model Number	9290024567

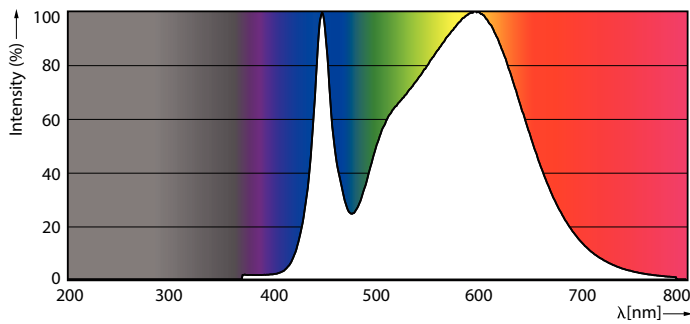
## Dimensional drawing



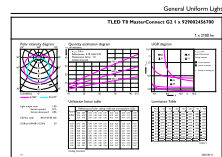
Smart TypeB 120-277 14.5W 2100lm 4000K

Product	D1	D2	A1	A2	A3
14.5T8/48-840/MF21/MC IA 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

## Photometric data



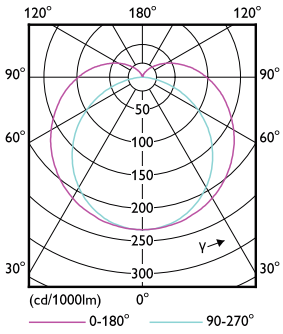
LEDtube MAS 14,5W G13 2100lm 840



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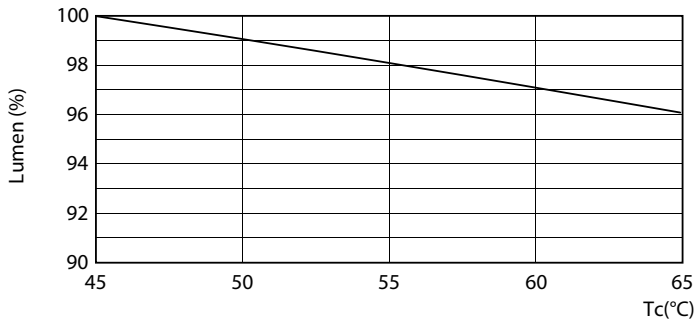
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## Photometric data

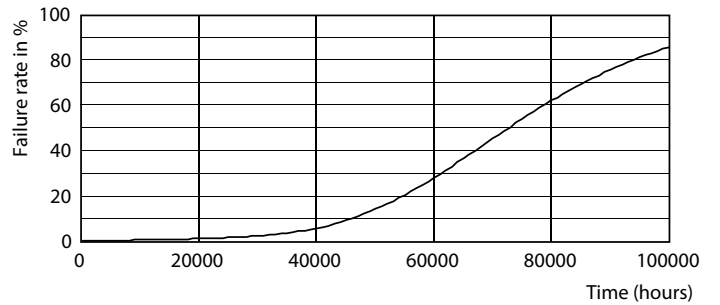


LEDtube MAS 14,5W G13 2100lm

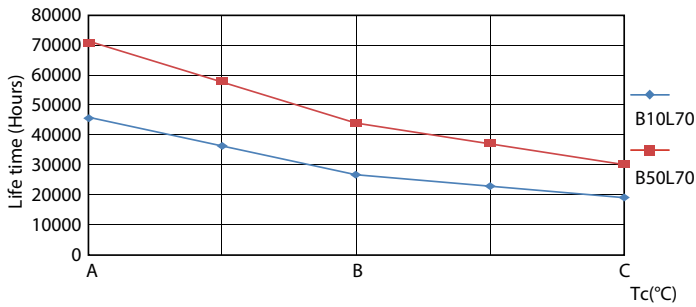
## Lifetime



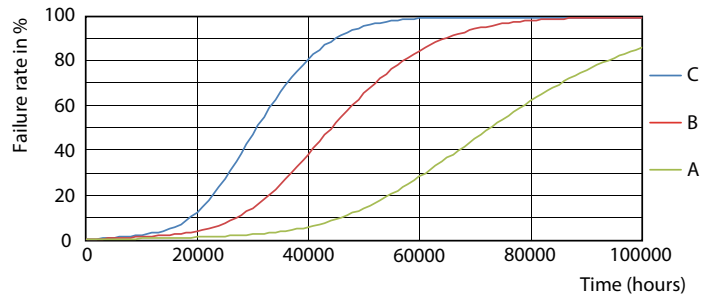
LEDtube 14,5W 70K LumenVsTc



LEDtube\_70K-LED



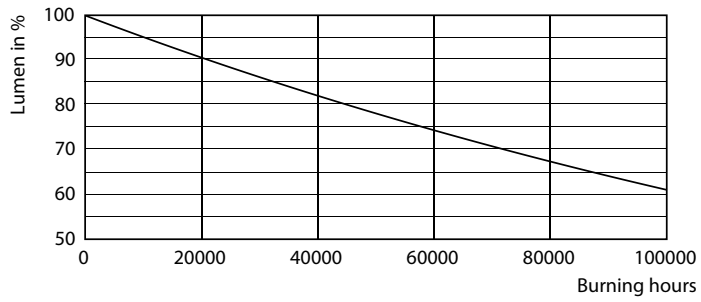
LEDtube\_70K\_LifetimeVsTc-LED



LEDtube\_70K\_FailureRate-LED

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## Lifetime



LEDtube\_70K-LMP

