



MasterConnect T8

14.5T8/48-850/MF21/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 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	850 [CCT of 5000K]
Beam Angle (Nom)	160 °
Initial lumen (Nom)	2100 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	144.00 lm/W
Color Consistency	<5
Color Rendering Index (Nom)	82

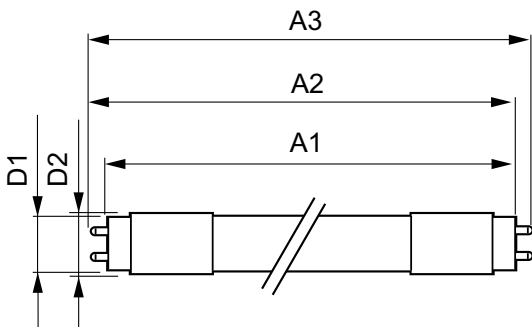
LLMF At End Of Nominal Lifetime (Nom) 70 %	
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	14.5 W
Lamp Current (Max)	125 mA
Lamp Current (Min)	59 mA
Starting Time (Nom)	1 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	120-277 V
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

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T-Case Maximum (Nom)	45 °C
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	14.5T8/48-850/MF21/MC IA 10/1
EAN/UPC - Product	046677562755
Order code	562751
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002456804
Net Weight (Piece)	0.220 kg
Model Number	9290024568

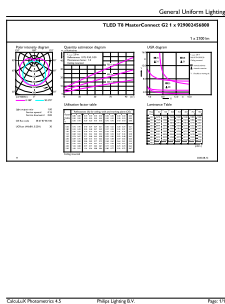
Dimensional drawing



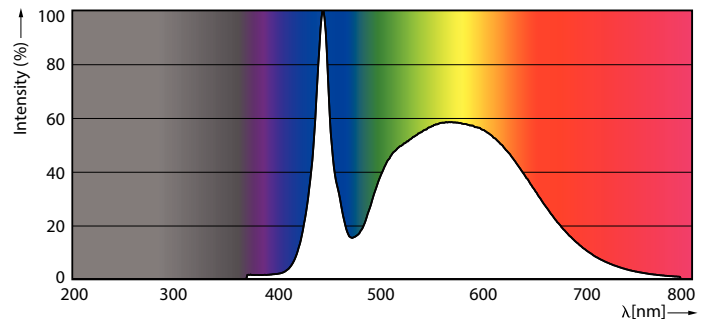
Smart TypeB 120-277 14.5W 2100lm 5000K

Product	D1	D2	A1	A2	A3
14.5T8/48-850/MF21/MC IA 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Photometric data



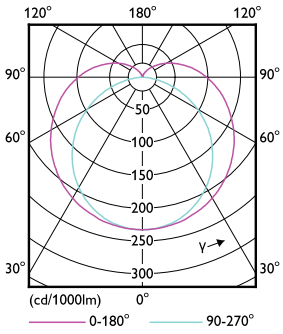
LEDtube MAS 14,5W G13 2100lm 850



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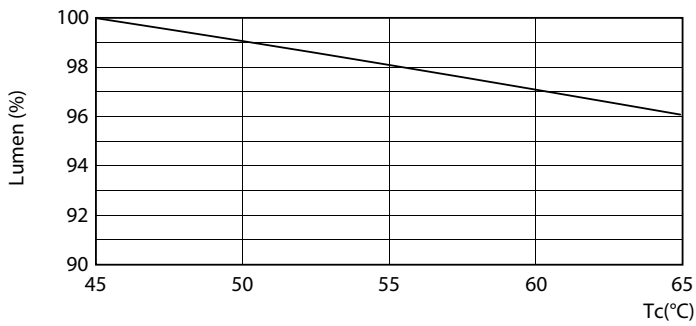
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Photometric data

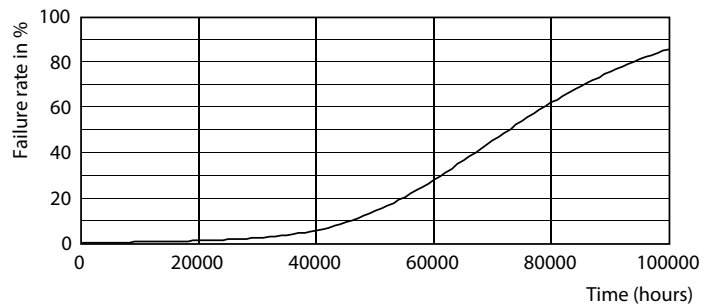


LEDtube MAS 14,5W G13 2100lm

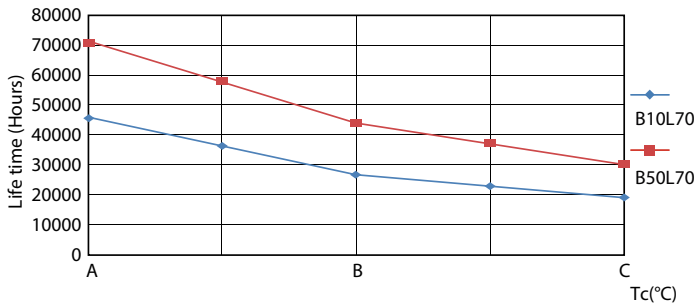
Lifetime



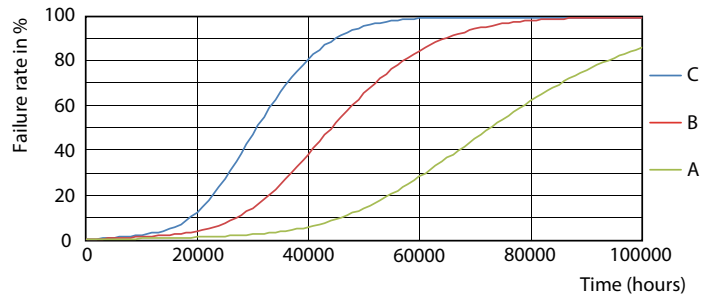
LEDtube 14,5W 70K LumenVsTc



LEDtube_70K-LED



LEDtube_70K_LifetimeVsTc-LED



LEDtube_70K_FailureRate-LED

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Lifetime



LEDtube_70K-LMP

