

# **T8**

## 14.5T8/COR/48-835/MF20/G 10/1

Philips MainsFit (UL Type B) CorePro T8 LED tubes deliver high-quality, flicker free performance at an affordable price. The UL Type B LED tubes are designed with easy installation and long-term maintenance simplicity in mind. Upgrade your lighting to Philips and realize 50,000 hour LED lifetime backed by a 5-year, full replacement limited warranty. The DLC 5.1 listed products are compatible with Philips new PTB15D emergency driver meeting UL 924 requirements.

#### **Product data**

General information  Base G13 [ Medium Bi-Pin Fluorescent]  EU RoHS compliant Yes  Nominal Lifetime (Nom) 50000 h  Switching Cycle 50000X  Technical Type 14.5-32W  Light technical  Color Code 835 [ CCT of 3500K]  Beam Angle (Nom) 240 °  Initial lumen (Nom) 2000 lm  Color Designation White (WH)  Correlated Color Temperature (Nom) 3500 K  Luminous Efficacy (rated) (Nom) 137.00 lm/W  Color Consistency <6  Color Rendering Index (Nom) 80  LLMF At End Of Nominal Lifetime (Nom) 70 %  Operating and electrical  Input Frequency 50 to 60 Hz  Power (Rated) (Nom) 14.5 W					
BU RoHS compliant Nominal Lifetime (Nom) Switching Cycle 50000X  Technical Type 14.5-32W  Light technical Color Code 835 [ CCT of 3500K]  Beam Angle (Nom) 240° Initial lumen (Nom) 2000 lm  Color Designation White (WH)  Correlated Color Temperature (Nom) 3500 K  Luminous Efficacy (rated) (Nom) 137.00 lm/W  Color Consistency <6 Color Rendering Index (Nom) 80  LLMF At End Of Nominal Lifetime (Nom) 70 %  Operating and electrical Input Frequency 50 to 60 Hz	General information				
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Input Frequency 50 to 60 Hz					
	Operating and electrical				
Power (Rated) (Nom) 14.5 W	Input Frequency	50 to 60 Hz			
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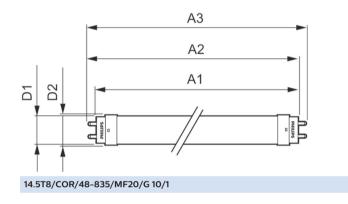
Lamp Current (Max)	124 mA
Lamp Current (Min)	58 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
UL Type	Type B - bypass the ballast
Power Factor (Nom)	0.9
Voltage (Nom)	120-277 V
Temperature	
T-Ambient (Max)	45 ℃
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	70 ℃
Controls and dimming	
Dimmable	Limited
Mechanical and housing	
Bulb Finish	Frosted
Bulb Material	Glass

Datasheet, 2021, May 3 data subject to change

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/COR/48-835/MF20/G 10/1		

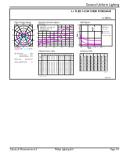
EAN/UPC - Product	046677563530
Order code	563536
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002484504
Net Weight (Piece)	0.215 kg
Model Number	9290024845

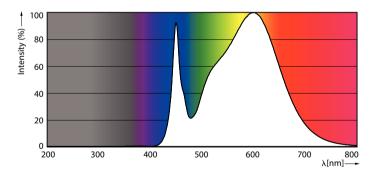
### Dimensional drawing



Product	D1	D2	A1	A2	А3
14.5T8/COR/48-835/	25.7 mm	28 mm	1198.2 mm	1205.3 mm	1212.4 mm
MF20/G 10/1					

#### Photometric data

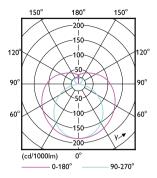




LEDtube COR 14,5W G13 2000lm 835

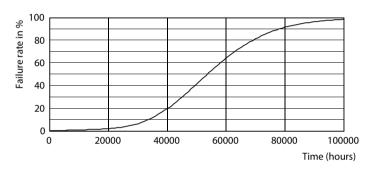
LEDtube COR 9,9W G13 1550lm 835

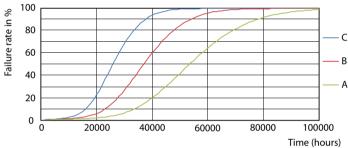
#### Photometric data



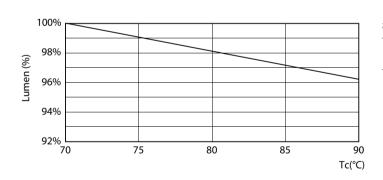
#### LEDtube COR 9,9W G13 1550lm

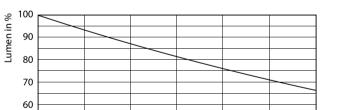
#### Lifetime





#### LEDtube 50K-LED





30000

40000

50000

60000

**Burning hours** 

LEDtube COR 9,9W 50K LumenVsTc

LEDtube 50K-LMP

3

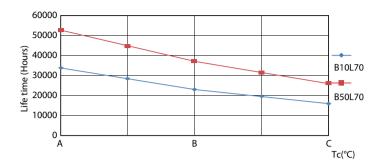
50 L

LEDtube 50K FailureRate-LED

10000

20000

#### Lifetime



LEDtube 50K LifetimeVsTc-LED

