



# T8

## 14.5T8/COR/48-840/MF21/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.

### Product data

General information		Lamp Current (Min)	
Base	G13 [ Medium Bi-Pin Fluorescent]		58 mA
EU RoHS compliant	Yes	Wattage Equivalent	32 W
Nominal Lifetime (Nom)	50000 h	Starting Time (Nom)	0.5 s
Switching Cycle	50000	Warm Up Time to 60% Light (Nom)	0.5 s
Tier	CorePro	UL Type	Type B - bypass the ballast
		Power Factor (Nom)	0.9
		Voltage (Nom)	120-277 V
Light technical		Temperature	
Color Code	841 [ CCT of 4100K (841)]	T-Ambient (Max)	113 °F
Beam Angle (Nom)	240 °	T-Ambient (Min)	-4 °F
Initial lumen (Nom)	2100 lm	T-Storage (Range)	-40 °C to 65 °C
Color Designation	Cool White (CW)	T-Storage (Max)	149 °F
Correlated Color Temperature (Nom)	4000 K	T-Storage (Min)	-40 °F
Luminous Efficacy (rated) (Nom)	144.00 lm/W	T-Case Maximum (Nom)	158 °F
Color Consistency	<6		
Color Rendering Index (Nom)	80	Controls and dimming	
LLMF At End Of Nominal Lifetime (Nom)	70 %	Dimmable	Limited
Operating and electrical		Mechanical and housing	
Input Frequency	50 to 60 Hz	Bulb Finish	Frosted
Power (Rated) (Nom)	14.5 W	Bulb Material	Glass
Lamp Current (Max)	124 mA		

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Product Length	47-1/4 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

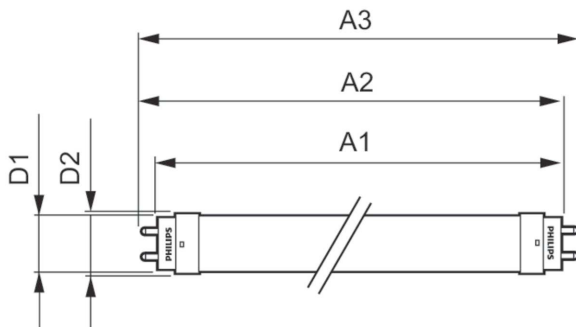
## Application conditions

Ambient temperature range	-20 °C to 45 °C
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## Product data

Order product name	14.5T8/COR/48-840/MF21/G 10/1
EAN/UPC - Product	046677563547
Order code	563544
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002484604
Net Weight (Piece)	0.474 lb
Model Number	9290024846

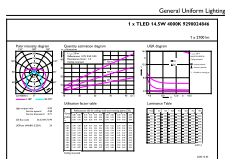
## Dimensional drawing



14.5T8/COR/48-840/MF21/G 10/1

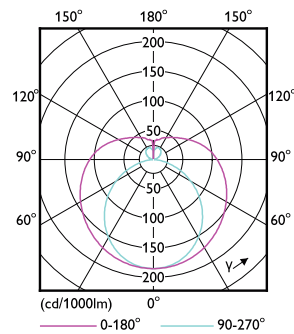
Product	D1	D2	A1	A2	A3
14.5T8/COR/48-840/MF21/G 10/1	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in

## Photometric data



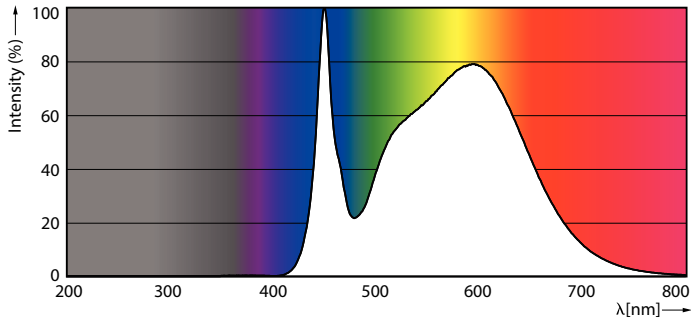
General Uniform Lighting  
1 x T8 LED 14.5W 840K 2100lm  
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LEDtube COR 14,5W G13 2100lm 840



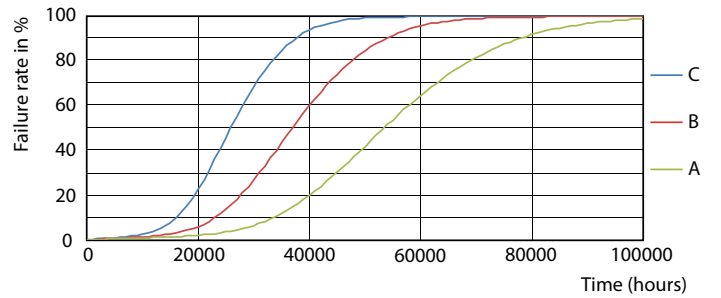
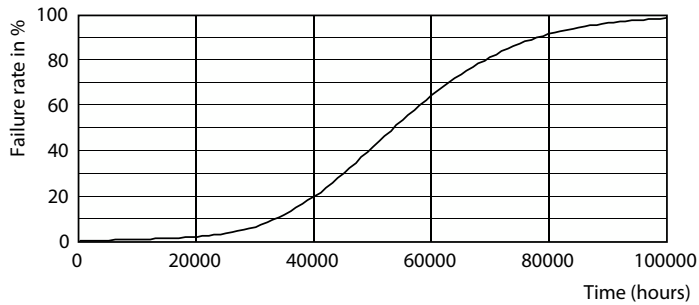
LEDtube COR 9,9W G13 1550lm

Photometric data

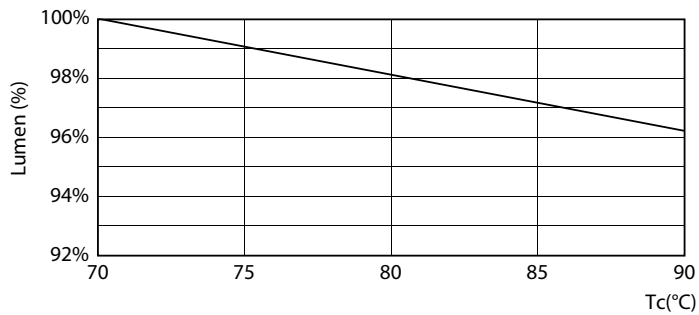


LEDtube COR 9,9W G13 1600lm 840

Lifetime

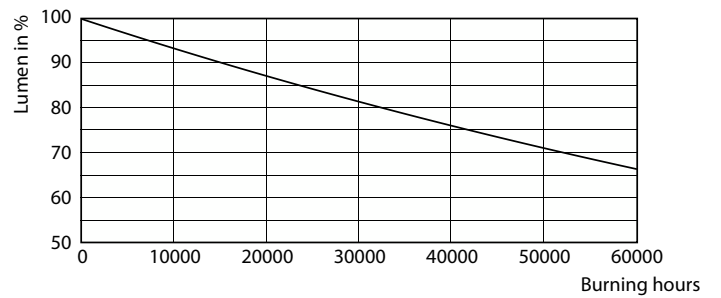


Life Expectancy Diagram



LEDtube COR 9,9W 50K LumenVsTc

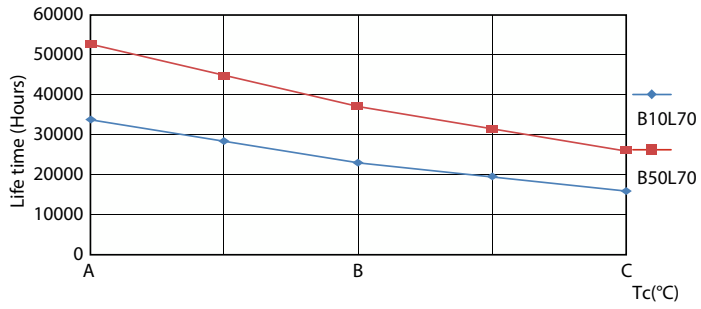
FailureRate



Lumen Maintenance Diagram

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## Lifetime



LifetimeVsTc

