

T8

14.5T8/COR/48-830/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		Electrical	
Base	G13 [Medium Bi-Pin Fluorescent]	Lamp Current (Max)	124 mA
EU RoHS compliant	Yes	Lamp Current (Min)	58 mA
Nominal Lifetime (Nom)	50000 h	Wattage Equivalent	32 W
Switching Cycle	50000	Starting Time (Nom)	0.5 s
Tier	CorePro	Warm Up Time to 60% Light (Nom)	0.5 s
Light technical		Temperature	
Color Code	830 [CCT of 3000K]	T-Ambient (Max)	113 °F
Beam Angle (Nom)	240 °	T-Ambient (Min)	-4 °F
Initial lumen (Nom)	2000 lm	T-Storage (Range)	-40 °C to 65 °C
Color Designation	White (WH)	T-Storage (Max)	149 °F
Correlated Color Temperature (Nom)	3000 K	T-Storage (Min)	-40 °F
Luminous Efficacy (rated) (Nom)	137.00 lm/W	T-Case Maximum (Nom)	158 °F
Color Consistency	<6	Controls and dimming	
Color Rendering Index (Nom)	80	Dimmable	Limited
LLMF At End Of Nominal Lifetime (Nom)	70 %		
Operating and electrical			
Input Frequency	50 to 60 Hz		
Power (Rated) (Nom)	14.5 W		

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Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	47-1/4 in
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

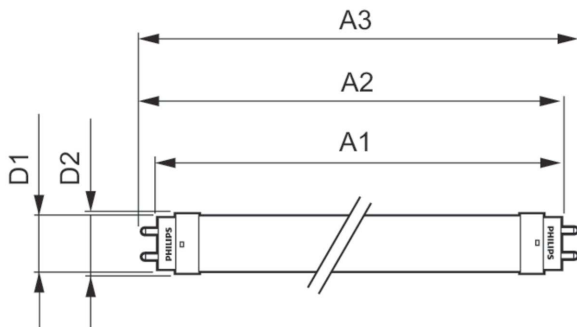
Application conditions

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

Order product name	14.5T8/COR/48-830/MF20/G 10/1
EAN/UPC - Product	046677563523
Order code	563528
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002484404
Net Weight (Piece)	0.474 lb
Model Number	9290024844

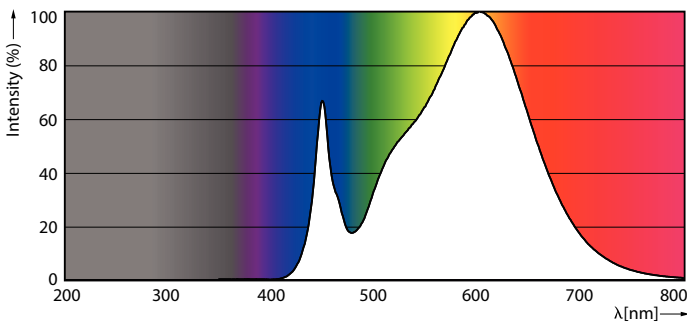
Dimensional drawing



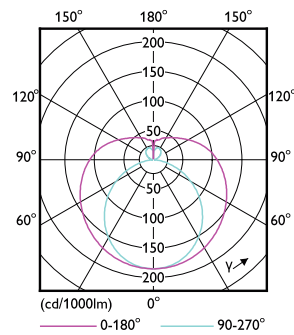
14.5T8/COR/48-830/MF20/G 10/1

Product	D1	D2	A1	A2	A3
14.5T8/COR/48-830/MF20/G	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in
				10/1	

Photometric data

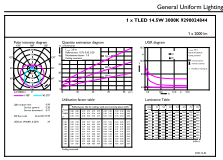


LEDtube COR 12W G13 1700lm 830



LEDtube COR 9,9W G13 1550lm

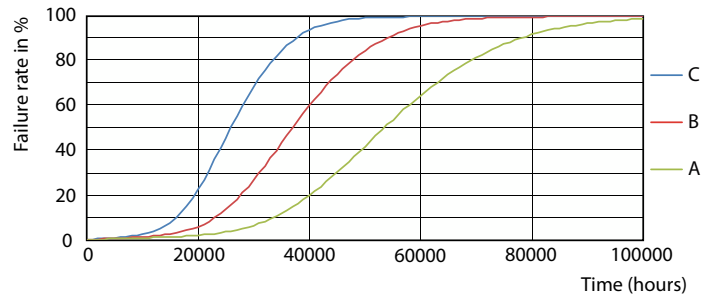
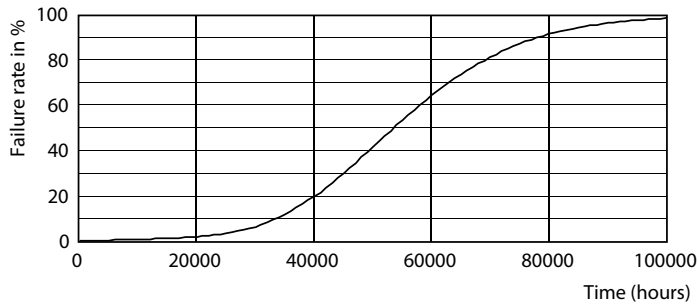
Photometric data



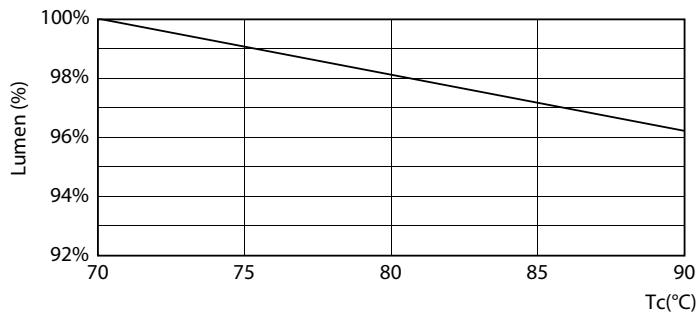
General Uniform Lightness
1 x T8 LED tube (beam diameter)
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LEDtube COR 14,5W G13 2000lm 830

Lifetime

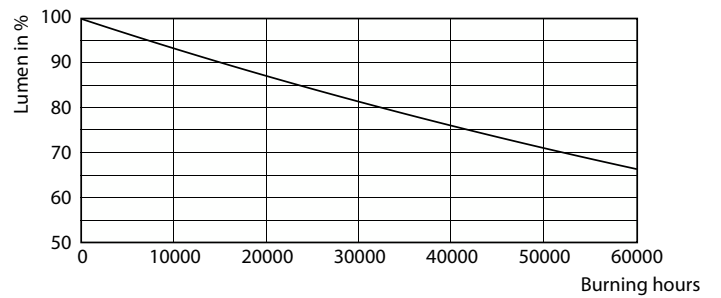


Life Expectancy Diagram



LEDtube COR 9,9W 50K LumenVsTc

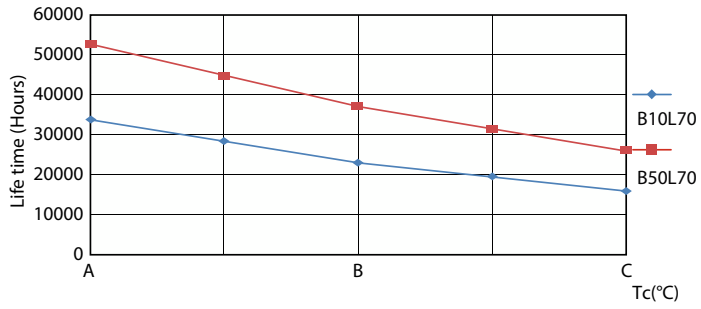
FailureRate



Lumen Maintenance Diagram

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Lifetime



LifetimeVsTc

