

T8

12T8/COR/48-840/MF18/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	50000
Tier	CorePro
Light technical	
Color Code	841 [CCT of 4100K (841)]
Beam Angle (Nom)	240 °
Initial lumen (Nom)	1800 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150.00 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)	12 W

Lamp Current (Max)	102 mA
Lamp Current (Min)	48 mA
Wattage Equivalent	32 W
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)	113 °F
T-Ambient (Min)	-4 °F
T-Storage (Range)	-40 °C to 65 °C
T-Storage (Max)	149 °F
T-Storage (Min)	-40 °F
T-Case Maximum (Nom)	158 °F
Controls and dimming	
Dimmable	Limited

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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
Approbation Marks	RoHS compliance UL certificate DLC compliance
Energy Consumption kWh/1000 h	- kWh

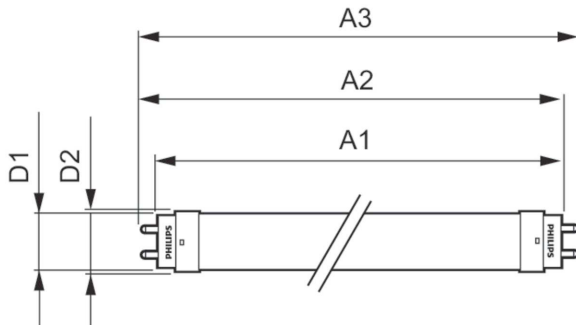
Application conditions

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

Order product name	12T8/COR/48-840/MF18/G 10/1
EAN/UPC - Product	046677563509
Order code	563502
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002484204
Net Weight (Piece)	0.474 lb
Model Number	9290024842

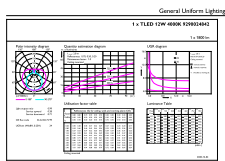
Dimensional drawing



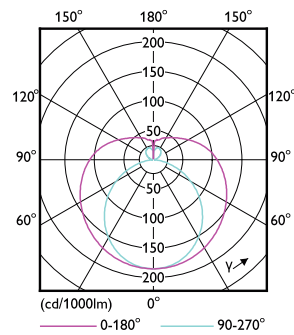
12T8/COR/48-840/MF18/G 10/1

Product	D1	D2	A1	A2	A3
12T8/COR/48-840/MF18/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

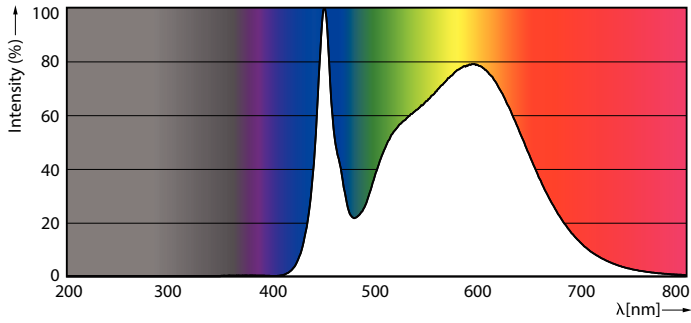


LEDtube COR 12W G13 1800lm 840



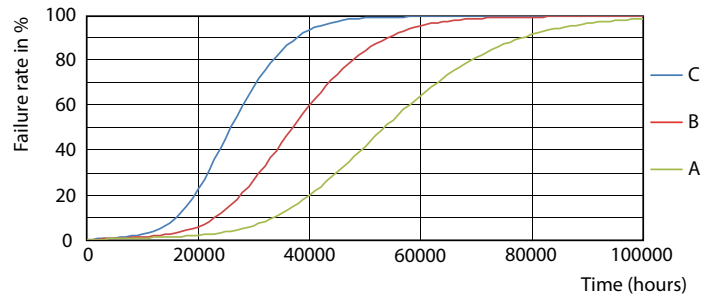
LEDtube COR 9,9W G13 1550lm

Photometric data

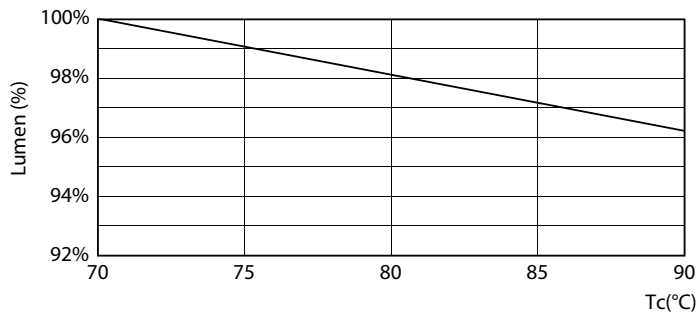


LEDtube COR 9,9W G13 1600lm 840

Lifetime



Life Expectancy Diagram



LEDtube COR 9,9W 50K LumenVsTc

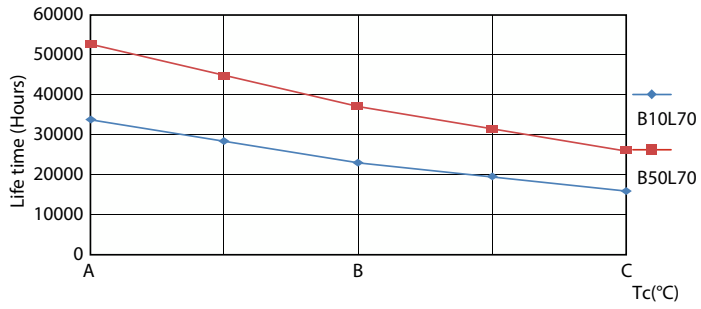
FailureRate



Lumen Maintenance Diagram

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Lifetime



LifetimeVsTc

