



# T8

## 12T8/COR/48-835/MF17/G 10/1

Our TLEDs are available in InstantFit (Type A / Type C) or MainsFit (Ballast bypass / Type B) versions. The InstantFit lamps work on a broad variety of ballasts and LED drivers. Only InstantFit has over 15,000 lamp & ballast combinations delivering even light output, energy savings and a long lifetime. Our MainsFit products feature a double-ended design, simplifying installation while a proprietary safety circuit minimizes a shock risk. Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

### Product data

General information		Power (Rated) (Nom)	
Base	G13 [ Medium Bi-Pin Fluorescent]		12 W
EU RoHS compliant	Yes	Lamp Current (Max)	102 mA
Nominal Lifetime (Nom)	50000 h	Lamp Current (Min)	48 mA
Switching Cycle	50000	Wattage Equivalent	32 W
Tier	CorePro	Starting Time (Nom)	0.5 s
		Warm Up Time to 60% Light (Nom)	0.5 s
Light technical		UL Type	Type B - bypass the ballast
Color Code	835 [ CCT of 3500K]	Power Factor (Nom)	0.9
Beam Angle (Nom)	240 °	Voltage (Nom)	120-277 V
Initial lumen (Nom)	1700 lm	Temperature	
Color Designation	White (WH)	T-Ambient (Max)	113 °F
Correlated Color Temperature (Nom)	3500 K	T-Ambient (Min)	-4 °F
Luminous Efficacy (rated) (Nom)	141.00 lm/W	T-Storage (Range)	-40 °C to 65 °C
Color Consistency	<6	T-Storage (Max)	149 °F
Color Rendering Index (Nom)	80	T-Storage (Min)	-40 °F
LLMF At End Of Nominal Lifetime (Nom)	70 %	T-Case Maximum (Nom)	158 °F
Operating and electrical			
Input Frequency	50 to 60 Hz		

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

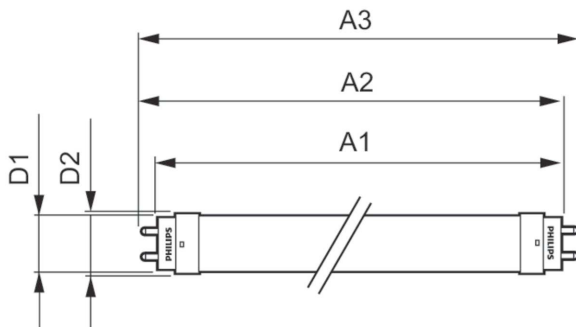
## Application conditions

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

Order product name	12T8/COR/48-835/MF17/G 10/1
EAN/UPC - Product	046677563493
Order code	563494
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002484104
Net Weight (Piece)	0.474 lb
Model Number	9290024841

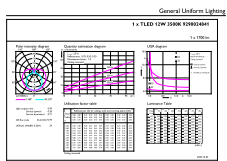
## Dimensional drawing



12T8/COR/48-835/MF17/G 10/1

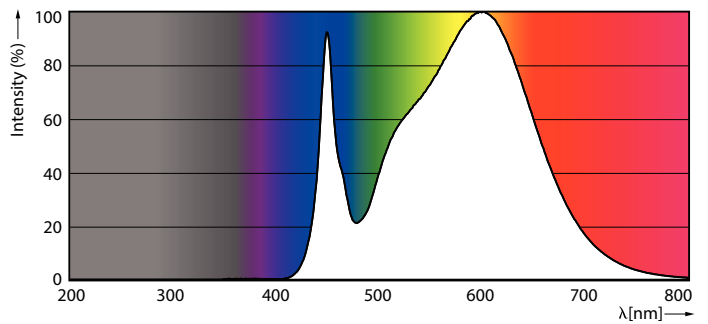
Product	D1	D2	A1	A2	A3
12T8/COR/48-835/MF17/G	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in
10/1					

## Photometric data



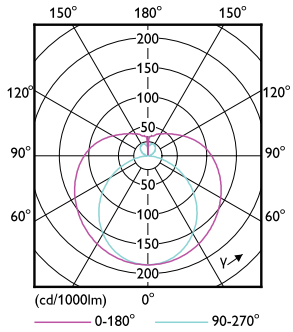
General Uniform Light  
1 x T8 LED COR (835) 1700lm  
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LEDtube COR 12W G13 1700lm 835



LEDtube COR 9,9W G13 1550lm 835

Photometric data

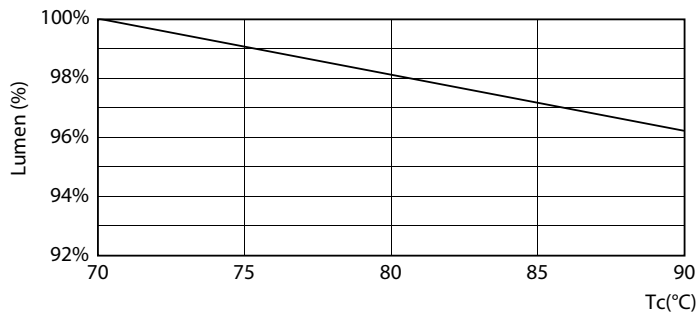


LEDtube COR 9,9W G13 1550lm

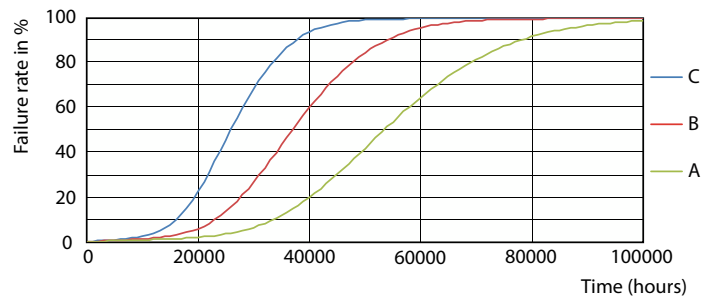
Lifetime



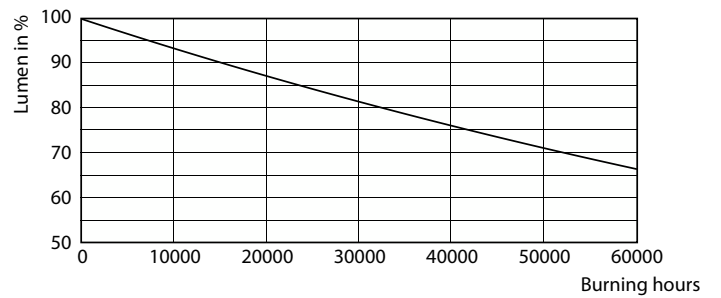
Life Expectancy Diagram



LEDtube COR 9,9W 50K LumenVsTc



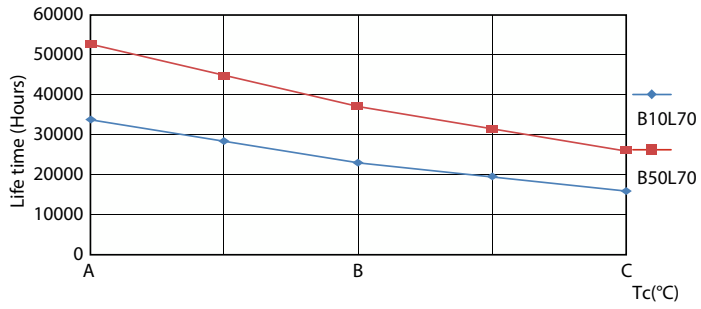
FailureRate



Lumen Maintenance Diagram

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## Lifetime



LifetimeVsTc

