



# CorePro MainsFit (UL Type-B) T8

12T8/COR/48-850/MF18/G 10/1

The CorePro MainsFit (UL Type B) lamps are designed to be the perfect retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp has everything needed built into the lamp with proven energy savings, long life (up to 50k hours), surge suppression and industry leading safety features. All lamps in the CorePro MainsFit family are double-ended to help simplify the installation. In addition, all lamps meet the Philips standards for light quality so that end users will be in a comfortable environment regardless of the CorePro MainsFit lamp type.

## Product data

General Information		LLMF At End Of Nominal Lifetime (Nom) 70 %	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]		
Nominal lifetime	50,000 hour(s)		
Switching Cycle	50,000		
Lighting Technology	LED		
EU RoHS compliant	Yes		
Light Technical		Operating and Electrical	
Color Code	850 [CCT of 5000K]	Line Frequency	50 to 60 Hz
Beam Angle (Nom)	240 degree(s)	Input Frequency	50 to 60 Hz
Luminous Flux	1,800 lm	Power Consumption	12 W
Color Designation	Daylight	Lamp Current (Max)	102 mA
Correlated Color Temperature (Nom)	5000 K	Lamp Current (Min)	48 mA
Luminous Efficacy (rated) (Nom)	150.00 lm/W	Wattage Equivalent	32 W
Color Consistency	<5	Starting Time (Nom)	0.5 s
Color rendering index (CRI)	80	Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.9
		Voltage (Nom)	120-277 V
		UL Type	UL Type B
		Temperature	
		Ambient temperature range	-4 °F to 113 °F

# CorePro MainsFit (UL Type-B) T8

T-Case Maximum (Nom)	158 °F
<b>Controls and Dimming</b>	
Dimmable	Limited
<b>Mechanical and Housing</b>	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	47-1/4 inch
Bulb Shape	T8
<b>Approval and Application</b>	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
Energy Consumption kWh/1000 h	- kWh

## Application Conditions

can it be used in closed luminaires	Yes
-------------------------------------	-----

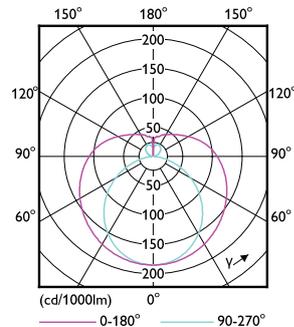
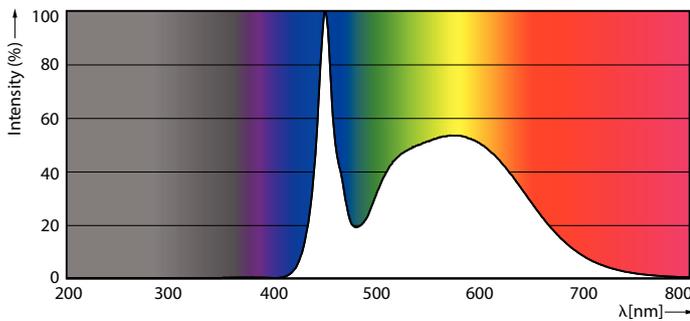
## Product Data

Order product name	12T8/COR/48-850/MF18/G 10/1
Full product name	12T8/COR/48-850/MF18/G 10/1
Order code	563510
Material Nr. (12NC)	929002484304
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677563516
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677563511

## Dimensional drawing

Product	D1	D2	A1	A2	A3
12T8/COR/48-850/MF18/G 10/1	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

## Photometric data

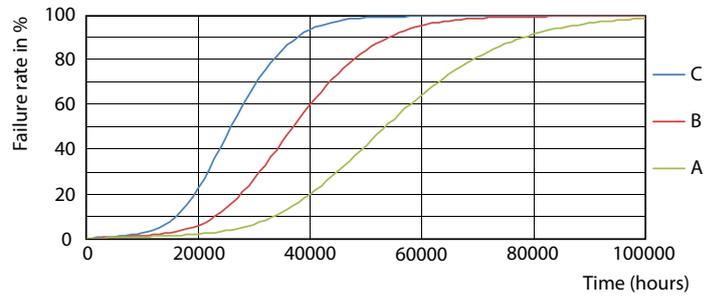
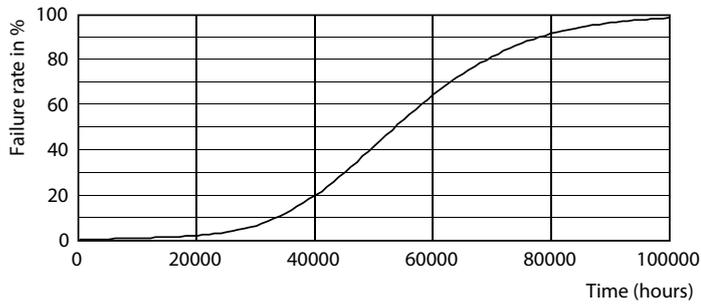


Spectral Power Distribution Colour - 12T8/COR/48-850/MF18/G 10/1

Light Distribution Diagram - 12T8/COR/48-850/MF18/G 10/1

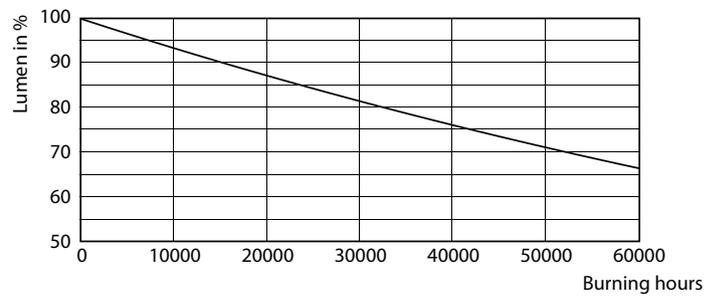
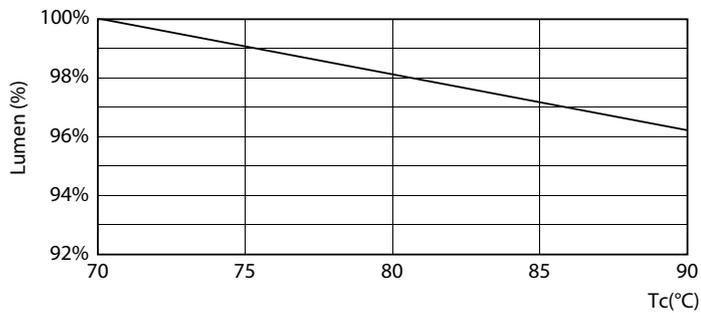
# CorePro MainsFit (UL Type-B) T8

## Lifetime



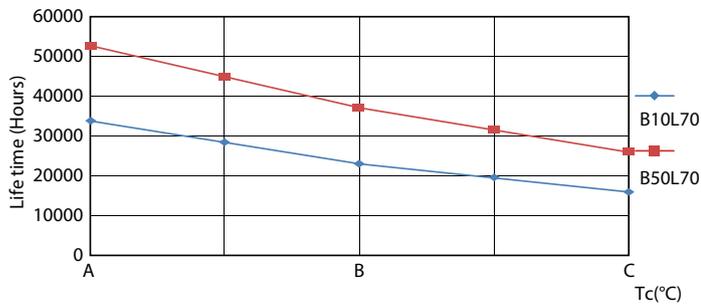
Life Expectancy Diagram - 12T8/COR/48-850/MF18/G 10/1

Life Expectancy Diagram - 12T8/COR/48-850/MF18/G 10/1



Lumen Maintenance Diagram - 12T8/COR/48-850/MF18/G 10/1

Lumen Maintenance Diagram - 12T8/COR/48-850/MF18/G 10/1



Life Expectancy Diagram - 12T8/COR/48-850/MF18/G 10/1

## CorePro MainsFit (UL Type-B) T8

