

# CorePro MainsFit (UL Type-B) T8

12T8/COR/48-840/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	
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	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,800 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 (CRI)	80

LLMF At End Of Nominal Lifetime (Nom) 70 %	
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Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	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	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277 V
UL Type	TLED_Type B; UL classified double end

Temperature	
Ambient temperature range	-4 °F to 113 °F

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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

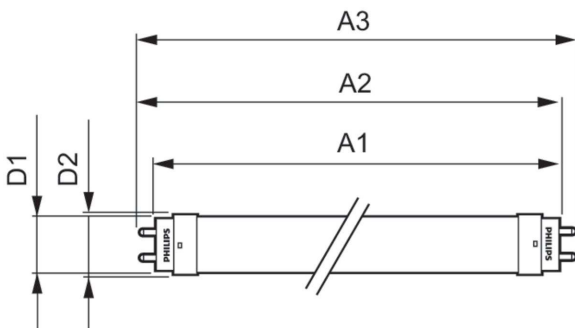
## Application Conditions

can it be used in closed luminaires Yes

## Product Data

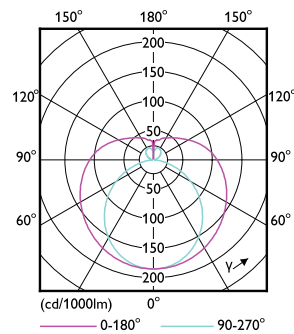
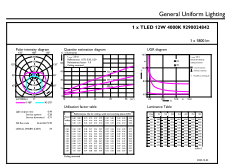
Order product name	12T8/COR/48-840/MF18/G 10/1
Full product name	12T8/COR/48-840/MF18/G 10/1
Order code	563502
Material Nr. (12NC)	929002484204
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677563509
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677563504

## Dimensional drawing



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

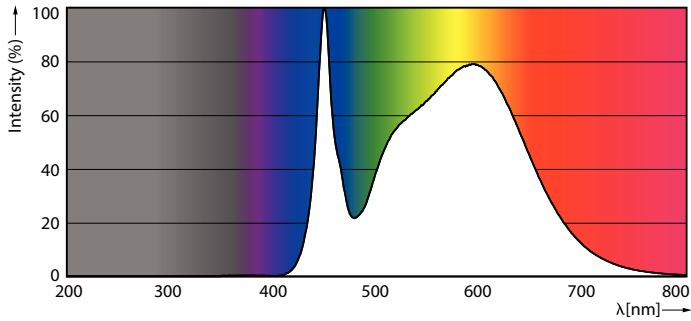


General uniform lighting - 12T8/COR/48-840/MF18/G 10/1

Light Distribution Diagram - 12T8/COR/48-840/MF18/G 10/1

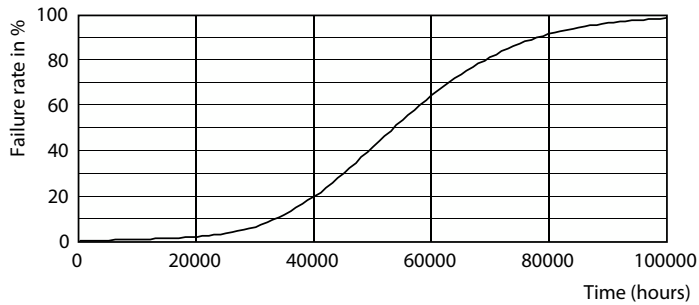
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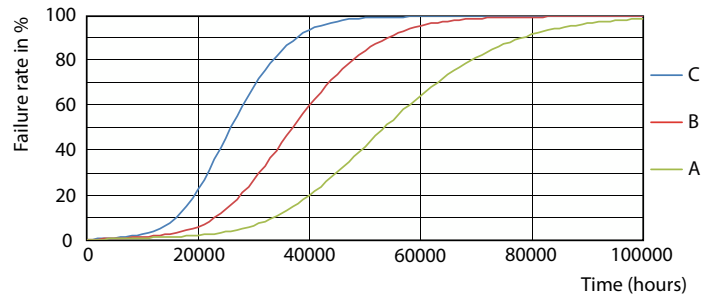


Spectral Power Distribution Colour - 12T8/COR/48-840/MF18/G 10/1

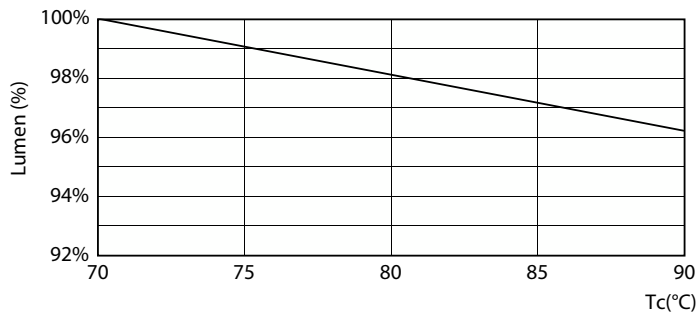
## Lifetime



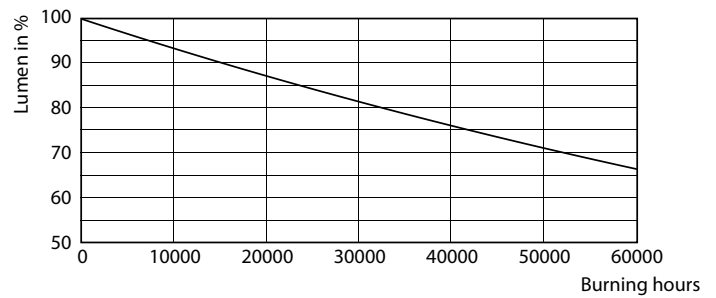
Life Expectancy Diagram - 12T8/COR/48-840/MF18/G 10/1



Life Expectancy Diagram - 12T8/COR/48-840/MF18/G 10/1



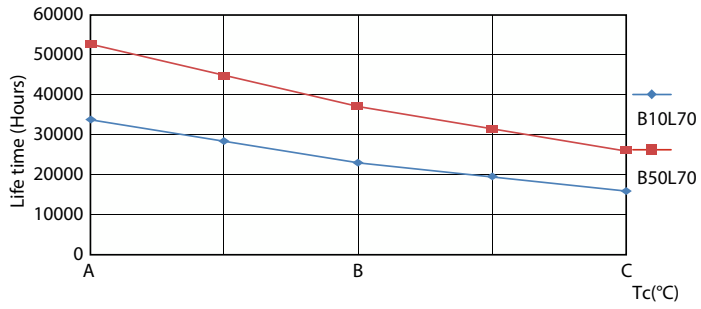
Lumen Maintenance Diagram - 12T8/COR/48-840/MF18/G 10/1



Lumen Maintenance Diagram - 12T8/COR/48-840/MF18/G 10/1

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## Lifetime



Life Expectancy Diagram - 12T8/COR/48-840/MF18/G 10/1

