PHILIPS Lighting

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

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General Information					
Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	50,000 hour(s) 50,000 LED				
Switching Cycle					
Lighting Technology					
EU RoHS compliant	Yes				
Light Technical					
Color Code	840 [CCT of 4000K] 240 degree(s)				
Beam Angle (Nom)					
Luminous Flux	1,800 lm Cool White (CW)				
Color Designation					
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 %

Operating and Electrical					
Line Frequency	50 to 60 Hz 50 to 60 Hz 12 W 102 mA 48 mA				
Input Frequency					
Power Consumption					
Lamp Current (Max)					
Lamp Current (Min)					
Wattage Equivalent	32 W				
Starting Time (Nom)	0.5 s				
Warm-up time to 60% light	0.5 s 0.9 120-277 V				
Power Factor (Fraction)					
Voltage (Nom)					
UL Type	TLED_Type B; UL classified double end				
Temperature					
Ambient temperature range	-4 °F to 113 °F				

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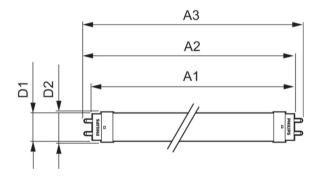
T-Case Maximum (Nom)	158 °F			
Controls and Dimming				
Dimmable	Limited			
Mechanical and Housing				
Bulb Finish	Frosted			
Bulb Material	Glass			
Product Length	47-1/4 inch T8			
Bulb Shape				
Approval and Application				
Energy Saving Product	Yes			
Approval Marks	RoHS compliance UL certificate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

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 563502 929002484204 1				
Order code					
Material Nr. (12NC)					
Numerator - Quantity Per Pack					
EAN/UPC - Product/Case	046677563509				
Numerator - Packs per outer box	10				
EAN/UPC - Case	50046677563504				

Application Conditions

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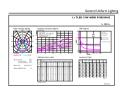
Dimensional drawing



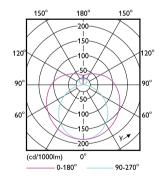
Product	וט	02	AI	AZ	AS
12T8/COR/48-840/	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch
MF18/G 10/1					

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Photometric data



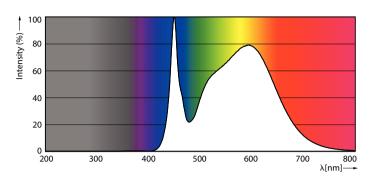
General uniform lighting - 12T8/COR/48-840/MF18/G 10/1



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

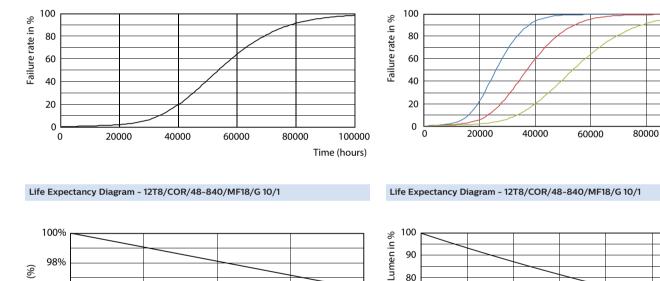
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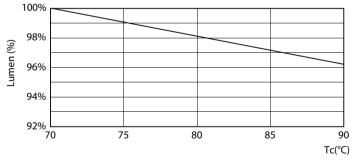
Photometric data



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

Lifetime







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

30000

40000

20000

С

В

A

100000

Time (hours)

60000

Burning hours

50000

90

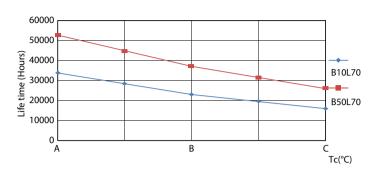
80

70

10000

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Lifetime



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



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