PHILIPS Lighting

CorePro MainsFit (UL Type-B) T8

9.9T8/COR/48-840/MF16/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	1,600 lm				
Color Designation	Cool White (CW)				
Correlated Color Temperature (Nom)	4000 K				
Luminous Efficacy (rated) (Nom)	161.00 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				
Input Frequency	50 to 60 Hz				
Power Consumption	9.9 W				
Lamp Current (Max)	85 mA				
Lamp Current (Min)	40 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	UL Type B				
Temperature					
Ambient temperature range	-4 °F to 113 °F				

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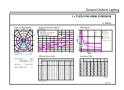
T-Case Maximum (Nom)	158 °F				
Controls and Dimming					
Dimmable	Limited				
Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Glass				
Product Length	47-1/4 inch				
Bulb Shape	Т8				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	RoHS compliance UL certificate DLC				
	compliance				

Energy Consumption kWh/1000 h	- kWh			
Product Data				
Order product name	9.9T8/COR/48-840/MF16/G 10/1			
Full product name	9.9T8/COR/48-840/MF16/G 10/1			
Order code	563460			
Material Nr. (12NC)	929002483804			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677563462			
Numerator - Packs per outer box	10			
EAN/UPC - Case	50046677563467			

Dimensional drawing

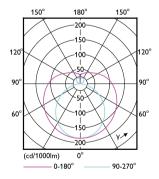
Product	D1	D2	A1	A2	A3
9.9T8/COR/48-840/	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch
MF16/G 10/1					

Photometric data



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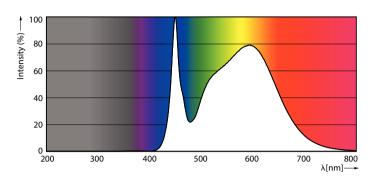
General uniform lighting - 9.9T8/COR/48-840/MF16/G 10/1



Light Distribution Diagram - 9.9T8/COR/48-840/MF16/G 10/1

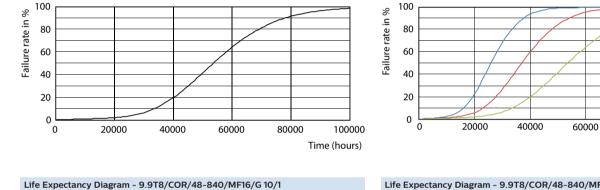
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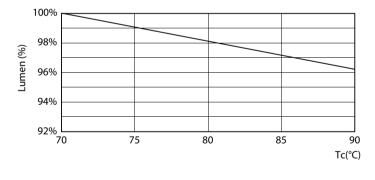
Photometric data



Spectral Power Distribution Colour - 9.9T8/COR/48-840/MF16/G 10/1

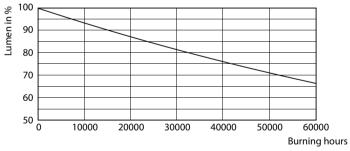
Lifetime







Life Expectancy Diagram - 9.9T8/COR/48-840/MF16/G 10/1





Datasheet, 2023, September 11

С

В

A

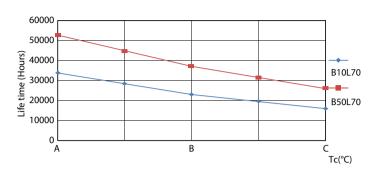
100000

Time (hours)

80000

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Lifetime



Life Expectancy Diagram - 9.9T8/COR/48-840/MF16/G 10/1



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