# **PHILIPS** Lighting

# CorePro MainsFit (UL Type-B) T8

# 12T8/COR/48-830/MF17/G/DIM 25/1

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] 50,000 hour(s) 50,000 LED				
Nominal lifetime					
Switching Cycle					
Lighting Technology					
EU RoHS compliant	Yes				
Light Technical					
Color Code	830 [CCT of 3000K]				
Beam Angle (Nom)	240 degree(s) 1,700 lm				
Luminous Flux					
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3000 K				
Luminous Efficacy (rated) (Nom)	141.00 lm/W				
Color Consistency	6SCDM				
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	12 W				
Lamp Current (Max)	104 mA				
Lamp Current (Min)	48 mA				
Wattage Equivalent	32 W 0.5 s 0.5 s				
Starting Time (Nom)					
Warm-up time to 60% light					
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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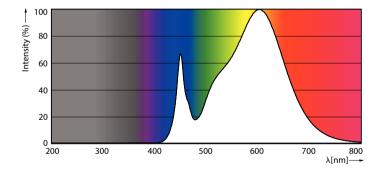
T-Case Maximum (Nom)	158 °F			
Controls and Dimming				
Dimmable	Only with specific dimmers			
Mechanical and Housing				
Bulb Finish	Frosted			
Bulb Material	Glass			
Product Length	47-1/4 inch			
Bulb Shape	Т8			
Approval and Application				
Energy Saving Product	Yes			
Approval Marks	RoHS compliance UL certificate DLC			
	compliance			

can it be used in closed luminaires	Yes		
Product Data			
Order product name	12T8/COR/48-830/MF17/G/DIM 25/1		
Full product name	12T8/COR/48-830/MF17/G/DIM 25/1		
Order code	579342 929003524104		
Material Nr. (12NC)			
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	046677579340		
Numerator - Packs per outer box	25		
EAN/UPC - Case	50046677579345		

#### Dimensional drawing

Product	D1	D2	A1	A2	A3
12T8/COR/48-830/	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch
MF17/G/DIM 25/1					

#### Photometric data



Spectral Power Distribution Colour - 12T8/COR/48-830/MF17/G/DIM 25/1

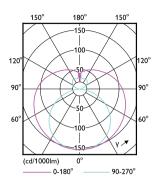
Application Conditions

Calculat Processes 45 Proje Lighting BX Proje 57

General uniform lighting - 12T8/COR/48-830/MF17/G/DIM 25/1

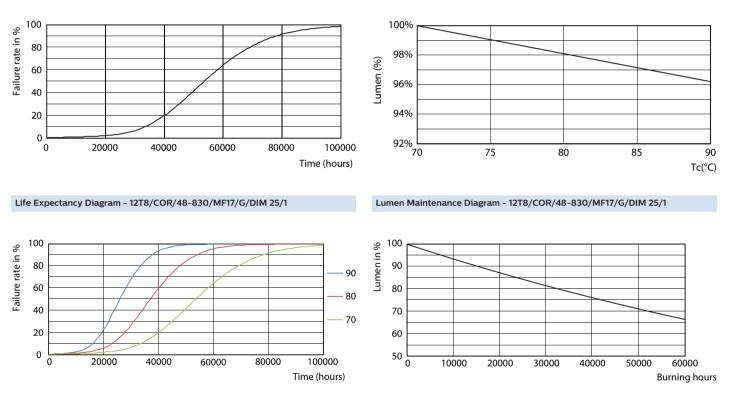
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#### Photometric data



Light Distribution Diagram - 12T8/COR/48-830/MF17/G/DIM 25/1

#### Lifetime

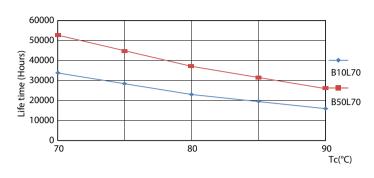


Life Expectancy Diagram - 12T8/COR/48-830/MF17/G/DIM 25/1

Lumen Maintenance Diagram - 12T8/COR/48-830/MF17/G/DIM 25/1

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Lifetime



Life Expectancy Diagram - 12T8/COR/48-830/MF17/G/DIM 25/1



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