# **PHILIPS** Lighting

# CorePro MainsFit (UL Type-B) T8

# 12T8/COR/48-835/MF17/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	835 [CCT of 3500K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	1,700 lm				
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3500 K				
Luminous Efficacy (rated) (Nom)	141.00 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	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	Type B - bypass the ballast				
Temperature					
Ambient temperature range	-20 ℃ to 45 ℃				

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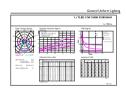
T-Case Maximum (Nom)	70 °C				
Controls and Dimming					
Dimmable	Limited				
Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Glass				
Product Length	1,200 mm				
Bulb Shape	Т8				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	RoHS compliance UL certificate DLC				
	compliance				

Energy Consumption kWh/1000 h	– kWh			
Product Data				
Order product name	12T8/COR/48-835/MF17/G 10/1			
Full product name	12T8/COR/48-835/MF17/G 10/1			
Order code	929002484104			
Material Nr. (12NC)	929002484104			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677563493			
Numerator - Packs per outer box	10			
EAN/UPC - Case	50046677563498			

#### Dimensional drawing

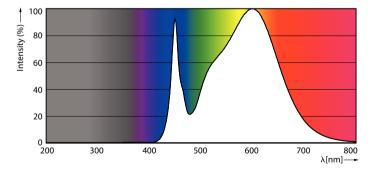
Product	D1	D2	A1	A2	A3
12T8/COR/48-835/MF17/G 10/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

#### Photometric data



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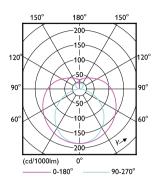
General uniform lighting - 12T8/COR/48-835/MF17/G 10/1



Spectral Power Distribution Colour - 12T8/COR/48-835/MF17/G 10/1

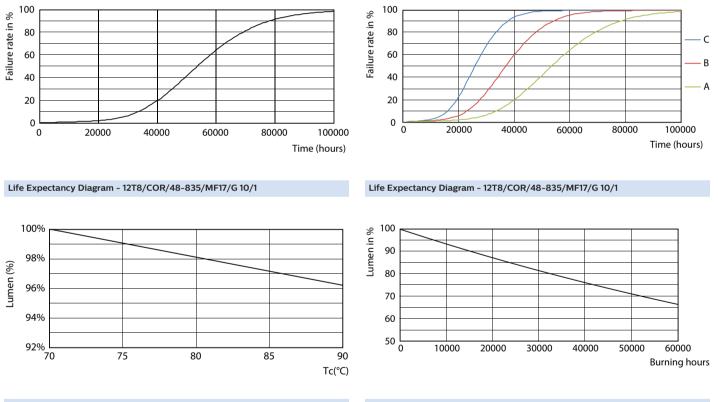
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#### Photometric data



Light Distribution Diagram - 12T8/COR/48-835/MF17/G 10/1

#### Lifetime

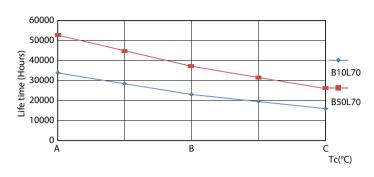


Lumen Maintenance Diagram - 12T8/COR/48-835/MF17/G 10/1

Lumen Maintenance Diagram - 12T8/COR/48-835/MF17/G 10/1

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Lifetime



Life Expectancy Diagram - 12T8/COR/48-835/MF17/G 10/1



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