# **PHILIPS** Lighting

# CorePro MainsFit (UL Type-B) T8

# 9.9T8/COR/48-835/MF15/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	1,550 lm				
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3500 K				
Luminous Efficacy (rated) (Nom)	156.00 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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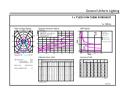
T-Case Maximum (Nom)	158 °F				
Controls and Dimming					
Dimmable	Limited				
Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Glass				
Product Length	47-1/4 inch				
Bulb Shape	Т8				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	RoHS compliance UL certificate DLC				
	compliance				

- kWh	Energy Consumption kWh/1000 h
	Product Data
9.9T8/COR/48-835/MF15/G 10/1	Order product name
9.9T8/COR/48-835/MF15/G 10/1	Full product name
563452	Order code
929002483704	Material Nr. (12NC)
1	Numerator - Quantity Per Pack
046677563455	EAN/UPC - Product/Case
 10	Numerator - Packs per outer box
50046677563450	EAN/UPC - Case
 10	Numerator - Packs per outer box

#### Dimensional drawing

Product	D1	D2	A1	A2	A3
9.9T8/COR/48-835/	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch
MF15/G 10/1					

#### Photometric data



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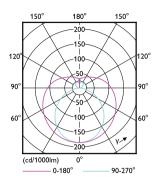
General uniform lighting - 9.9T8/COR/48-835/MF15/G 10/1

+ 100 60 40 20 0 200 300 400 500 600 700 800 λ[nm]→

Spectral Power Distribution Colour - 9.9T8/COR/48-835/MF15/G 10/1

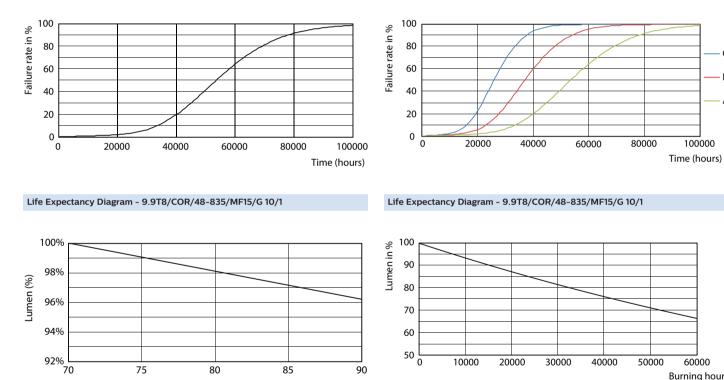
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#### Photometric data



Light Distribution Diagram - 9.9T8/COR/48-835/MF15/G 10/1

#### Lifetime



90

Tc(°C)

Lumen Maintenance Diagram - 9.9T8/COR/48-835/MF15/G 10/1

80

85

75

Lumen Maintenance Diagram - 9.9T8/COR/48-835/MF15/G 10/1

**Burning hours** 

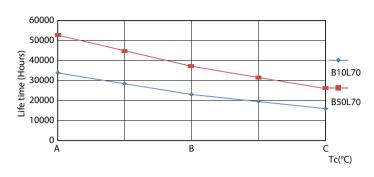
С

В

A

# CorePro MainsFit (UL Type-B) T8

Lifetime



Life Expectancy Diagram - 9.9T8/COR/48-835/MF15/G 10/1



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