PHILIPS

# **PHILIPS** Lighting

# CorePro MainsFit (UL Type-B) T8

# 15T8/COR/48-850/MF21/G/120-347V 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]				
Nominal lifetime	50,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Color Code	850 [CCT of 5000K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	2,100 lm				
Color Designation	Daylight				
Correlated Color Temperature (Nom)	5000 K				
Luminous Efficacy (rated) (Nom)	140.00 lm/W				
Color Consistency	<5				
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	15 W				
Lamp Current (Max)	145 mA				
Lamp Current (Min)	50 mA				
Starting Time (Nom)	0.5 s				
Warm-up time to 60% light	0.5 s				
Power Factor (Fraction)	0.9				
Voltage (Nom)	120-347 V				
UL Type	TLED_Type B; UL classified double end				
Temperature					
Ambient temperature range	-20 ℃ to 45 ℃				

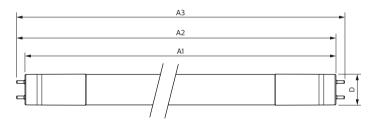
## CorePro MainsFit (UL Type-B) T8

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				

can it be used in closed luminaires	Yes			
Product Data				
Order product name	15T8/COR/48-850/MF21/G/120-347V 25/			
Full product name	15T8/COR/48-850/MF21/G/120-347V 25,			
Order code	929003523504			
Material Nr. (12NC)	929003523504			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677579302			
Numerator - Packs per outer box	25			
EAN/UPC - Case	50046677579307			

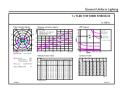
**Application Conditions** 

#### Dimensional drawing



Product	D1	D2	A1	A2	A3
15T8/COR/48-850/MF21/G/	25.7 mm	29 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm
120-347V 25/1					

#### Photometric data



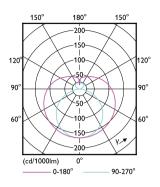
General uniform lighting - 15T8/COR/48-850/MF21/G/120-347V 25/1

Spectral Power Distribution Colour - 15T8/COR/48-850/MF21/G/120-347V 25/1

Datasheet, 2024, March 22

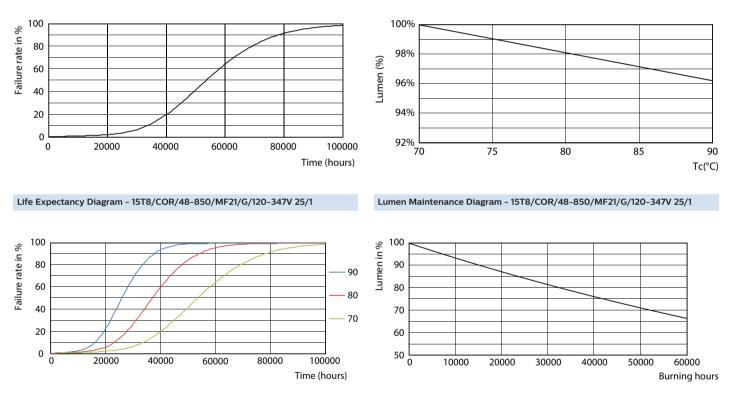
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#### Photometric data



Light Distribution Diagram - 15T8/COR/48-850/MF21/G/120-347V 25/1

#### Lifetime

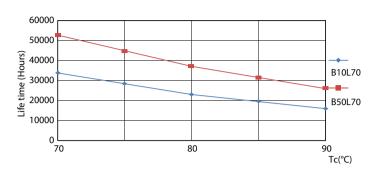


Life Expectancy Diagram - 15T8/COR/48-850/MF21/G/120-347V 25/1

Lumen Maintenance Diagram - 15T8/COR/48-850/MF21/G/120-347V 25/1

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Lifetime



Life Expectancy Diagram - 15T8/COR/48-850/MF21/G/120-347V 25/1



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