PHILIPS

# **PHILIPS** Lighting

# CorePro MainsFit (UL Type-B) T8

# 15T8/COR/48-840/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**

Cap-Base   G13 [Medium Bi-Pin Fluorescent]     Nominal lifetime   50,000 hour(s)     Switching Cycle   50,000     Lighting Technology   LED     Light Technical   Color Code     Beam Angle (Nom)   240 degree(s)     Luminous Flux   2100 lm	General Information			
Switching Cycle 50,000   Lighting Technology LED   Light Technical Color Code   Beam Angle (Nom) 240 degree(s)	Cap-Base	G13 [Medium Bi-Pin Fluorescent]		
Lighting Technology LED   Light Technical   Color Code 840 [CCT of 4000K]   Beam Angle (Nom) 240 degree(s)	Nominal lifetime	50,000 hour(s)		
Light Technical   Color Code 840 [CCT of 4000K]   Beam Angle (Nom) 240 degree(s)	Switching Cycle	50,000		
Color Code     840 [CCT of 4000K]       Beam Angle (Nom)     240 degree(s)	Lighting Technology	LED		
Color Code     840 [CCT of 4000K]       Beam Angle (Nom)     240 degree(s)				
Beam Angle (Nom) 240 degree(s)	Light Technical			
	Color Code	840 [CCT of 4000K]		
Luminous Flux 2100 lm	Beam Angle (Nom)	240 degree(s)		
	Luminous Flux	2,100 lm		
Color Designation Cool White (CW)	Color Designation	Cool White (CW)		
Correlated Color Temperature (Nom) 4000 K	Correlated Color Temperature (Nom)	4000 K		
Luminous Efficacy (rated) (Nom) 140.00 lm/W	Luminous Efficacy (rated) (Nom)	140.00 lm/W		
Color Consistency <6	Color Consistency	<6		
Color rendering index (CRI) 80	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			
Tomo avatura				
Temperature				
T-Case Maximum (Nom)	70 °C			

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Controls and Dimming			
Dimmable	Limited		
Mechanical and Housing			
Bulb Finish	Frosted		
Bulb Material	Glass		
Product Length	1,200 mm		
Bulb Shape	Т8		
Net Weight (Piece)	0.220 kg		
Approval and Application			
Energy Saving Product	Yes		
Approval Marks	RoHS compliance UL certificate DLC		
	compliance		

Yes

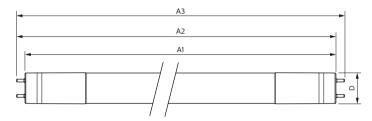
-20 °C to 45 °C

can it be used in closed luminaires	Yes			
Product Data				
Order product name	15T8/COR/48-840/MF21/G/120-347V 25/			
Full product name	15T8/COR/48-840/MF21/G/120-347V 25/1 929003523404			
Order code				
Material Nr. (12NC)	929003523404			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677579296			
Numerator - Packs per outer box	25			
EAN/UPC - Case	50046677579291			

#### **Dimensional drawing**

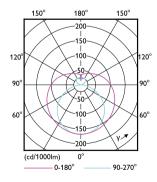
Ambient temperature range

EU RoHS compliant



Product	D1	D2	A1	A2	A3
15T8/COR/48-840/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



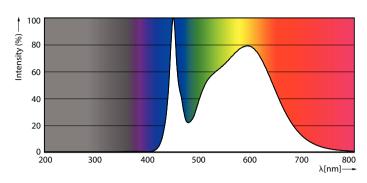
Application Conditions

Light Distribution Diagram - 15T8/COR/48-840/MF21/G/120-347V 25/1

General uniform lighting - 15T8/COR/48-840/MF21/G/120-347V 25/1

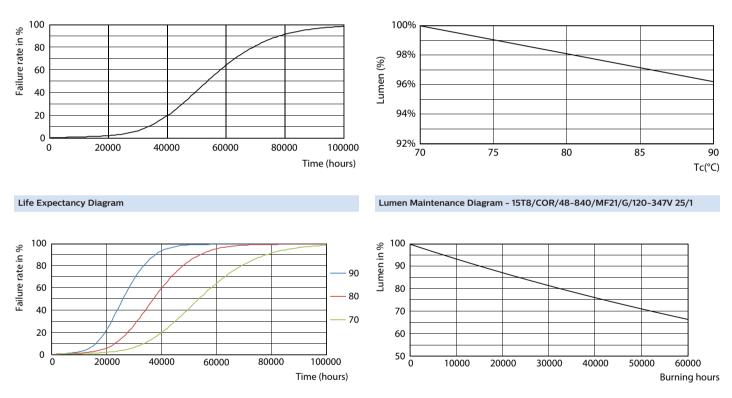
# CorePro MainsFit (UL Type-B) T8

Photometric data



Spectral Power Distribution Colour - 15T8/COR/48-840/MF21/G/120-347V 25/1

#### Lifetime

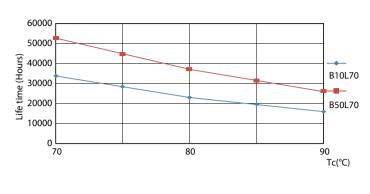


LEDtube 50K 7090 FailureRate-LED

Lumen Maintenance Diagram - 15T8/COR/48-840/MF21/G/120-347V 25/1

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LifetimeVsTc



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