

# **T8**

# 16.5T8PRO/48-830/BB20/G 10/1 FB

Our TLEDs are available in InstantFit (Type A / Type C) or MainsFit (Ballast bypass / Type B) versions. The InstantFit lamps work on a broad variety of ballasts and LED drivers. Only InstantFit has over 15,000 lamp & ballast combinations delivering even light output, energy savings and a long lifetime. Our MainsFit products feature a double-ended design, simplifying installation while a proprietary safety circuit minimizes a shock risk. Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

#### **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	830 [CCT of 3000K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	2,000 lm				
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3000 K				
Luminous Efficacy (rated) (Nom)	121.00 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				

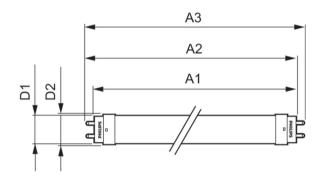
Input Frequency	50 to 60 Hz			
Power Consumption	16.5 W			
Lamp Current (Max)	154 mA			
Lamp Current (Min)	55 mA			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	120-277 V			
Temperature				
Ambient temperature range	-4 °F to 113 °F			
T-Case Maximum (Nom)	158 °F			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	47-1/4 inch			
Bulb Shape	Tube, double-ended			

Datasheet, 2023, November 12 data subject to change

Approval and Application						
Energy Saving Product	Yes					
Approval Marks	UL certificate RoHS compliance DLC					
	compliance					
Energy Consumption kWh/1000 h	- kWh					
Energy Certifications	DLC Standard					
Product Data						
Order product name	r product name 16.5T8PRO/48-830/BB20/G 10/1 FB					

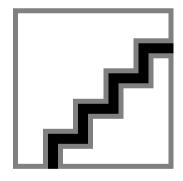
Full product name	16.5T8PRO/48-830/BB20/G 10/1 FB		
Order code	471748		
Material Nr. (12NC)	929001363134		
Numerator - Quantity Per Pack	1		
EAN/UPC - Product/Case	046677471743		
Numerator - Packs per outer box	10		
EAN/UPC - Case	50046677471748		

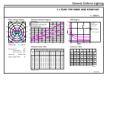
# Dimensional drawing



Product	D1	D2	A1	A2	А3
16.5T8PRO/48-830/	1-1/16 inch	1-1/16 inch	47-1/4 inch	47-9/16 inch	47-13/16 inch
BB20/G 10/1 FB					

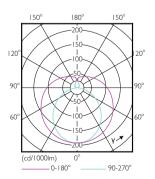
## Photometric data





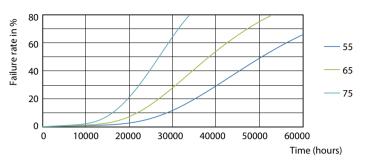
Spectral Power Distribution Colour - 16.5T8PRO/48-830/BB20/G 10/1 FB

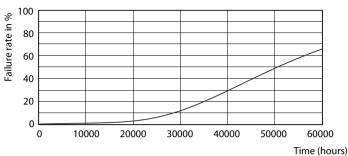
General uniform lighting - 16.5T8PRO/48-830/BB20/G 10/1 FB



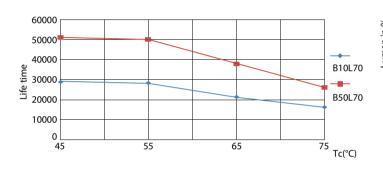
Light Distribution Diagram - 16.5T8PRO/48-830/BB20/G 10/1 FB

#### Lifetime

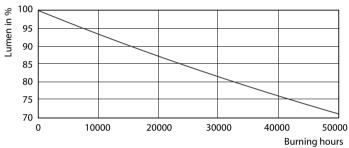




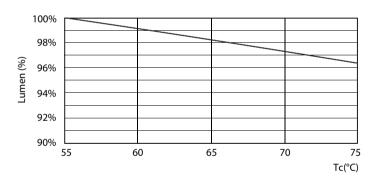
#### Life Expectancy Diagram - 16.5T8PRO/48-830/BB20/G 10/1 FB



### Life Expectancy Diagram - 16.5T8PRO/48-830/BB20/G 10/1 FB



Life Expectancy Diagram - 16.5T8PRO/48-830/BB20/G 10/1 FB



Lumen Maintenance Diagram - 16.5T8PRO/48-830/BB20/G 10/1 FB

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Lumen Maintenance Diagram - 16.5T8PRO/48-830/BB20/G 10/1 FB



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