

T8

16.5T8PRO/48-840/BB21/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	840 [CCT of 4000K]				
Beam Angle (Nom)	240 degree(s)				
Luminous Flux	2,100 lm				
Color Designation	Cool White (CW)				
Correlated Color Temperature (Nom)	4000 K				
Luminous Efficacy (rated) (Nom)	127.00 lm/W				
Color Consistency	<6				
Color rendering index (CRI)	80				
LLMF At End Of Nominal Lifetime (Nom) 70 %					
	<u> </u>				
Operating and Electrical					
Line Frequency	50 to 60 Hz				

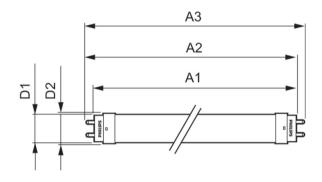
Input Frequency	50 to 60 Hz				
Power Consumption	16.5 W				
Lamp Current (Max)	154 mA				
Lamp Current (Min)	55 mA				
Starting Time (Nom)	0.5 s				
Warm-up time to 60% light	0.5 s				
Power Factor (Fraction)	0.9				
Voltage (Nom)	120-277 V				
Temperature					
Ambient temperature range	-20 °C to 45 °C				
T-Case Maximum (Nom)	70 ℃				
Controls and Dimming					
Dimmable	No				
Mechanical and Housing					
Product Length	1,200 mm				
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	16.5T8PRO/48-840/BB21/G 10/1 FB			

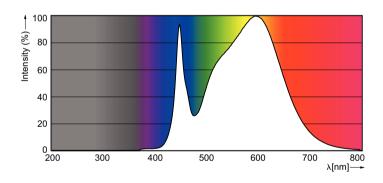
Full product name	16.5T8PRO/48-840/BB21/G 10/1 FB			
Order code	929001363334			
Material Nr. (12NC)	929001363334			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677471767			
Numerator - Packs per outer box	10			
EAN/UPC - Case	50046677471762			

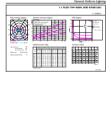
Dimensional drawing



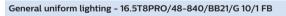
Product	D1	D2	A1	A2	А3
16.5T8PRO/48-840/BB21/G 10/1 FB	25.7 mm	26 mm	1,200 mm	1,207 mm	1,214 mm

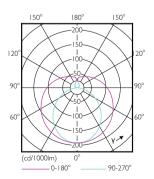
Photometric data





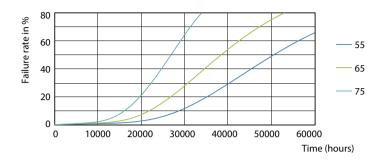
Spectral Power Distribution Colour - 16.5T8PRO/48-840/BB21/G 10/1 FB





Light Distribution Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB

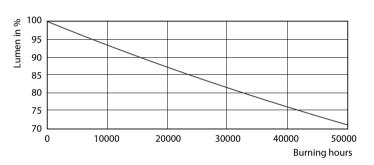
Lifetime



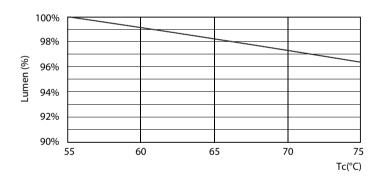
Life Expectancy Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB

60000 50000 40000 30000 10000 0 45 55 65 75 Tc(°C)

Life Expectancy Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB



Life Expectancy Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB



Lumen Maintenance Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB

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