

T8

12T8/PER/48-850/BB18/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	850 [CCT of 5000K]			
Beam Angle (Nom)	240 degree(s)			
Luminous Flux	1,800 lm			
Color Designation	Daylight			
Correlated Color Temperature (Nom)) 5000 K			
Luminous Efficacy (rated) (Nom)	150.00 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	12 W			
Lamp Current (Max)	120 mA			
Lamp Current (Min)	40 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 °C			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	1,200 mm			
Bulb Shape	T8			

Datasheet, 2023, November 12 data subject to change

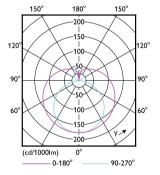
Approval and Application				
Energy Saving Product	Yes			
Approval Marks	UL certificate RoHS compliance DLC			
	compliance			
Energy Consumption kWh/1000 h	- kWh			
Energy Certifications	DLC Standard			
Product Data				
Order product name	12T8/PER/48-850/BB18/G 10/1 FB			

Full product name	12T8/PER/48-850/BB18/G 10/1 FB			
Order code	929001877104			
Material Nr. (12NC)	929001877104			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677532703			
Numerator - Packs per outer box	10			
EAN/UPC - Case	50046677532708			

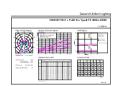
Dimensional drawing

Product	D1	D2	A1	A2	А3
12T8/PER/48-850/BB18/G 10/1 FB	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

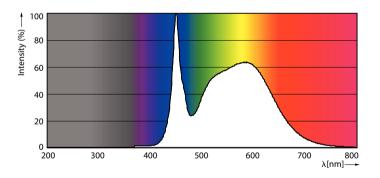
Photometric data



Light Distribution Diagram - 12T8/PER/48-850/BB18/G 10/1 FB



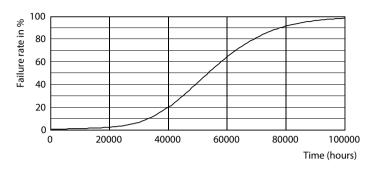
General uniform lighting - 12T8/PER/48-850/BB18/G 10/1 FB

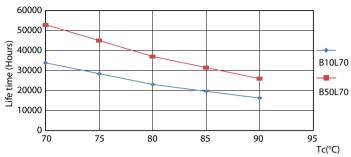


Spectral Power Distribution Colour - 12T8/PER/48-850/BB18/G 10/1 FB

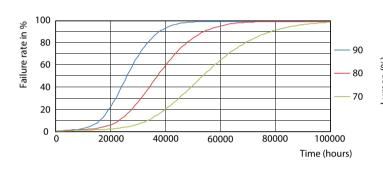
2

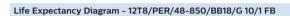
Lifetime

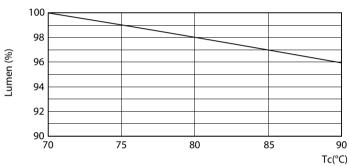




Life Expectancy Diagram - 12T8/PER/48-850/BB18/G 10/1 FB



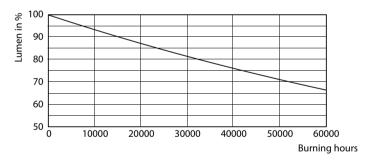




Life Expectancy Diagram - 12T8/PER/48-850/BB18/G 10/1 FB



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Lumen Maintenance Diagram - 12T8/PER/48-850/BB18/G 10/1 FB



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