



# 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

<b>General Information</b>		<b>Input Frequency</b>	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Power Consumption	12 W
Nominal lifetime	50,000 hour(s)	Lamp Current (Max)	120 mA
Switching Cycle	50,000	Lamp Current (Min)	40 mA
Lighting Technology	LED	Starting Time (Nom)	0.5 s
EU RoHS compliant	Yes	Warm-up time to 60% light	0.5 s
<b>Light Technical</b>		Power Factor (Fraction)	0.9
Color Code	850 [CCT of 5000K]	Voltage (Nom)	120-277 V
Beam Angle (Nom)	240 degree(s)	<b>Temperature</b>	
Luminous Flux	1,800 lm	Ambient temperature range	-20 °C to 45 °C
Color Designation	Daylight	T-Case Maximum (Nom)	70 °C
Correlated Color Temperature (Nom)	5000 K	<b>Controls and Dimming</b>	
Luminous Efficacy (rated) (Nom)	150.00 lm/W	Dimmable	No
Color Consistency	<5	<b>Mechanical and Housing</b>	
Color rendering index (CRI)	80	Product Length	1,200 mm
LLMF At End Of Nominal Lifetime (Nom)	70 %	Bulb Shape	T8
<b>Operating and Electrical</b>			
Line Frequency	50 to 60 Hz		

## Approval and Application

<b>Energy Saving Product</b>	Yes
<b>Approval Marks</b>	UL certificate RoHS compliance DLC compliance
<b>Energy Consumption kWh/1000 h</b>	- kWh
<b>Energy Certifications</b>	DLC Standard

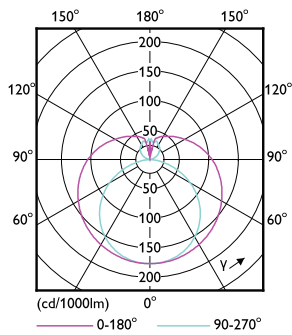
## Product Data

Order product name	12T8/PER/48-850/BB18/G 10/1 FB
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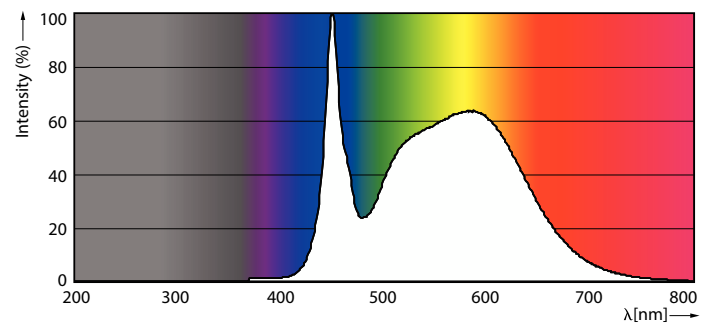
## Dimensional drawing

Product	D1	D2	A1	A2	A3
12T8/PER/48-850/BB18/G 10/1 FB	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

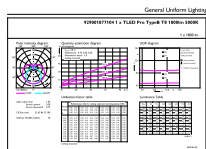
## Photometric data



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

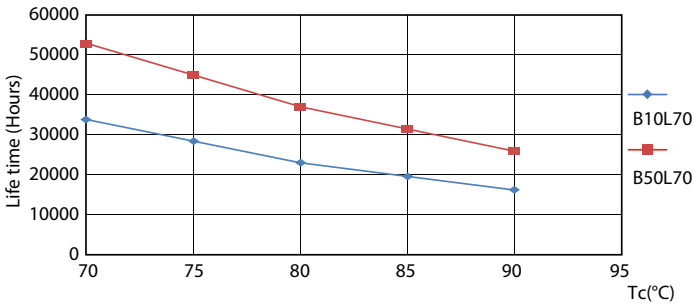
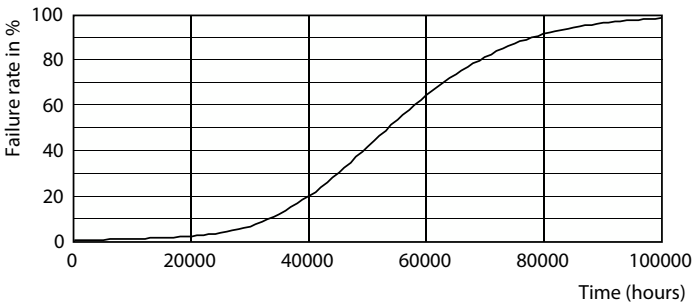


Spectral Power Distribution Colour - 12T8/PER/48-850/BB18/G 10/1 FB



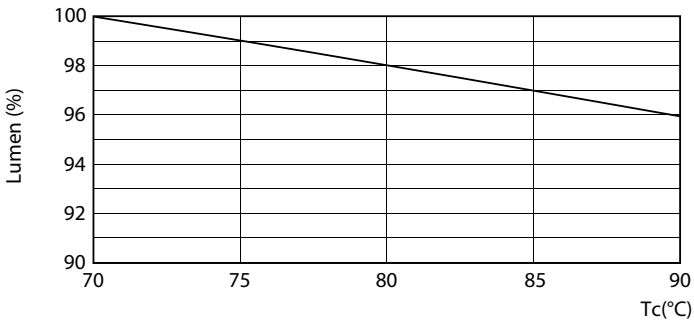
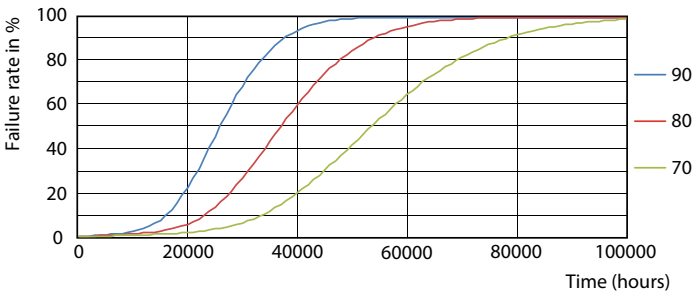
**General uniform lighting - 12T8/PER/48-850/BB18/G 10/1 FB**

Lifetime



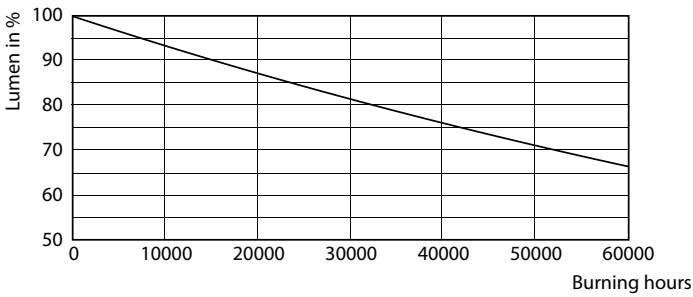
Life Expectancy Diagram - 12T8/PER/48-850/BB18/G 10/1 FB

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



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

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



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

