

# T8

## 12T8/PER/48-830/BB17/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

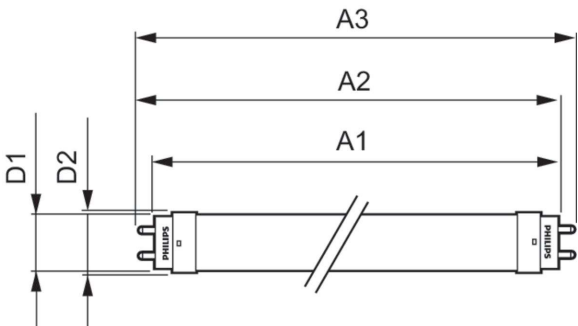
General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,700 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	141.00 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	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	Tube, double-ended

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/48-830/BB17/G 10/1 FB

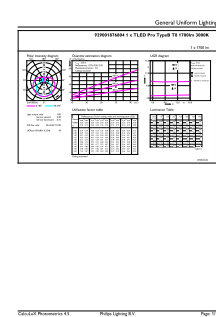
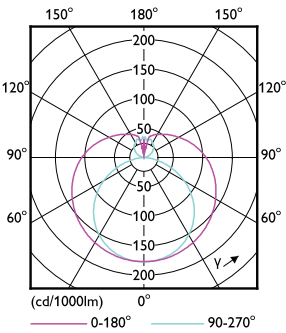
Full product name	12T8/PER/48-830/BB17/G 10/1 FB
Order code	929001876804
Material Nr. (12NC)	929001876804
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677532673
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677532678

Dimensional drawing



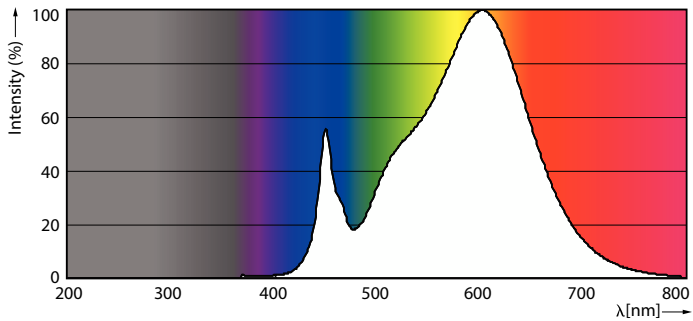
Product	D1	D2	A1	A2	A3
12T8/PER/48-830/BB17/G 10/1 FB	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data



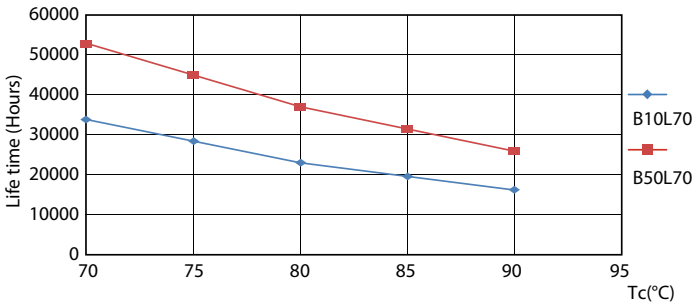
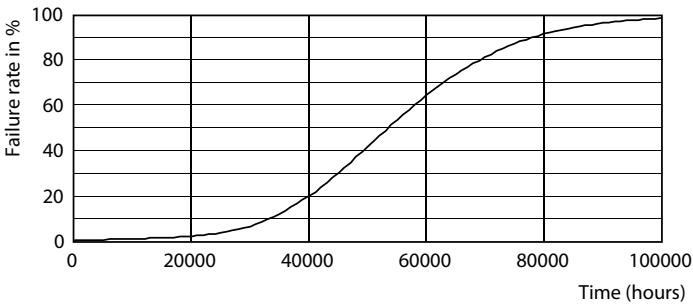
Light Distribution Diagram - 12T8/PER/48-830/BB17/G 10/1 FB

General uniform lighting - 12T8/PER/48-830/BB17/G 10/1 FB

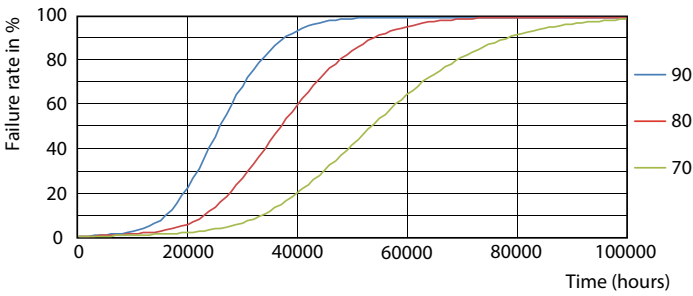


Spectral Power Distribution Colour - 12T8/PER/48-830/BB17/G 10/1 FB

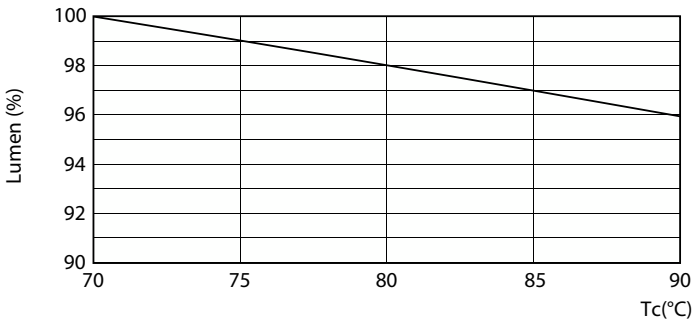
Lifetime



Life Expectancy Diagram - 12T8/PER/48-830/BB17/G 10/1 FB

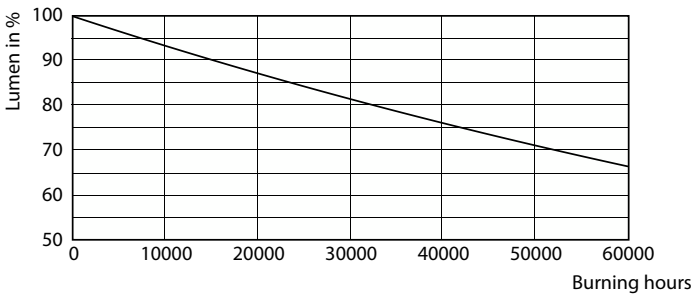


Life Expectancy Diagram - 12T8/PER/48-830/BB17/G 10/1 FB



Life Expectancy Diagram - 12T8/PER/48-830/BB17/G 10/1 FB

Lumen Maintenance Diagram - 12T8/PER/48-830/BB17/G 10/1 FB



Lumen Maintenance Diagram - 12T8/PER/48-830/BB17/G 10/1 FB

