PHILIPS

Lighting

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	-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

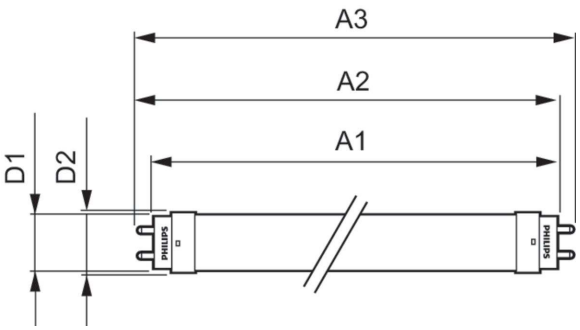
T8

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

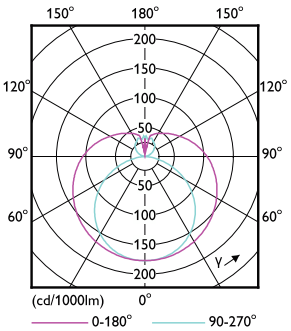
Full product name	12T8/PER/48-830/BB17/G 10/1 FB
Order code	532671
Material Nr. (12NC)	929001876804
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677532673
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677532678

Dimensional drawing

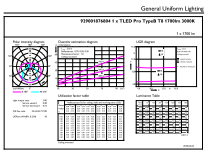


Product	D1	D2	A1	A2	A3
12T8/PER/48-830/ BB17/G 10/1 FB	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

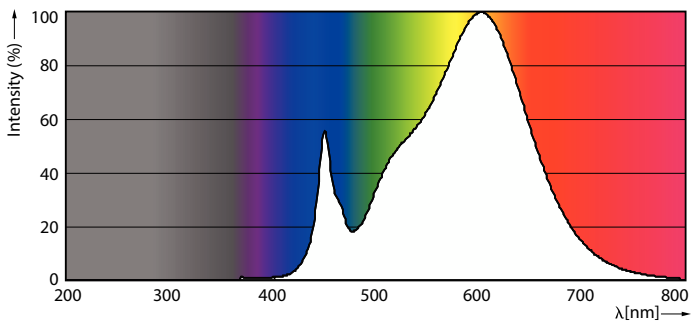
Photometric data



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

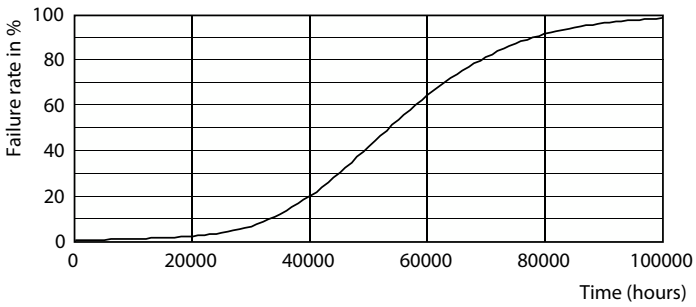


General uniform lighting - 12T8/PER/48-830/BB17/G 10/1 FB

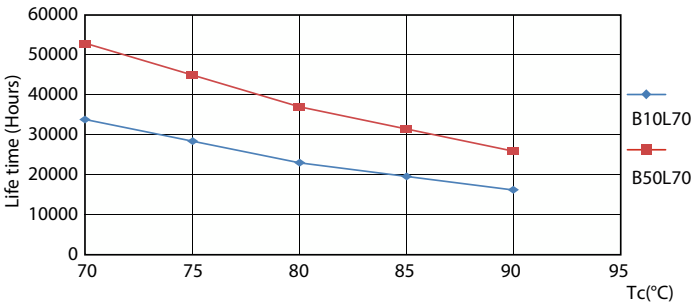


Spectral Power Distribution Colour - 12T8/PER/48-830/BB17/G 10/1 FB

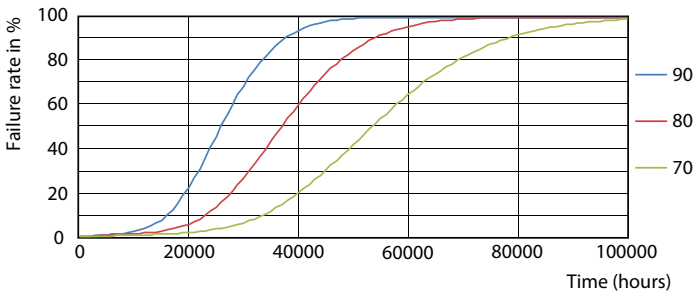
Lifetime



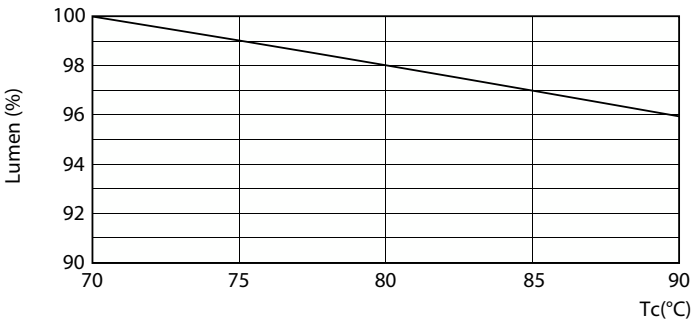
Life Expectancy Diagram - 12T8/PER/48-830/BB17/G 10/1 FB



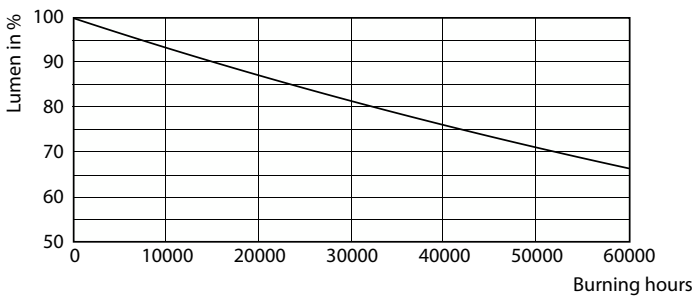
Life Expectancy Diagram - 12T8/PER/48-830/BB17/G 10/1 FB



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

T8

© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com
2023, November 12 - data subject to change