PHILIPS

Lighting

T8

12T8/PRO/48-850/IF18/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)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	25000-105000 Hz
Input Frequency	25000-105000 Hz
Power Consumption	12 W
Lamp Current (Max)	260 mA
Lamp Current (Min)	100 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, 347 V
UL Type	Type A - works on ballast Type C - works with dedicated LED driver Type A+C - works with both ballasts and the LED driver

Temperature	
Ambient temperature range	-4 °F to 113 °F
T-Case Maximum (Nom)	122 °F

Controls and Dimming	
Dimmable	No

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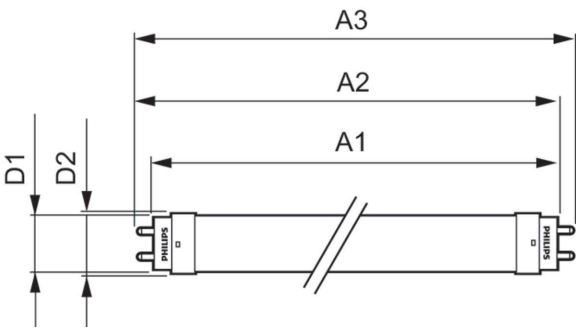
Mechanical and Housing	
Product Length	47-1/4 inch
Bulb Shape	Tube, double-ended

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

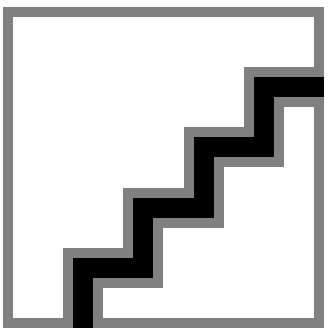
Product Data	
Order product name	12T8/PRO/48-850/IF18/G 10/1 FB
Full product name	12T8/PRO/48-850/IF18/G 10/1 FB
Order code	530493
Material Nr. (12NC)	929001866304
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677530495
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677530490

Dimensional drawing

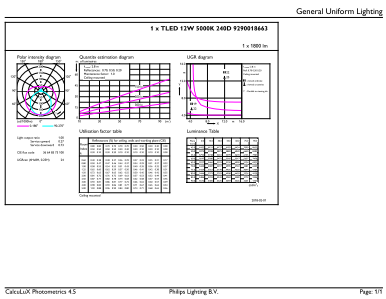


Product	D1	D2	A1	A2	A3
12T8/PRO/48-850/ IF18/G 10/1 FB	1-1/16 inch	1-1/16 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data

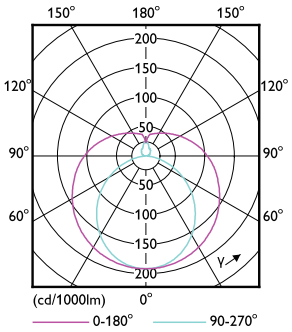


Spectral Power Distribution Colour - 12T8/PRO/48-850/IF18/G 10/1 FB



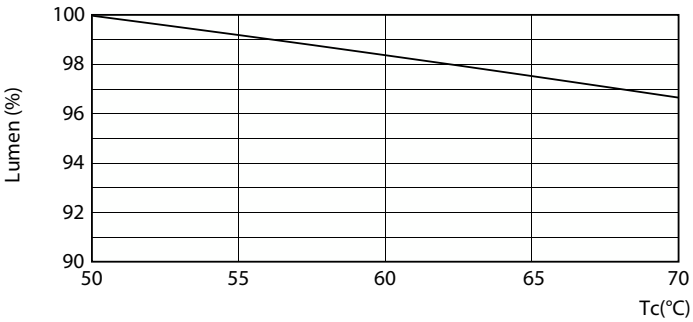
General uniform lighting - 12T8/PRO/48-850/IF18/G 10/1 FB

Photometric data

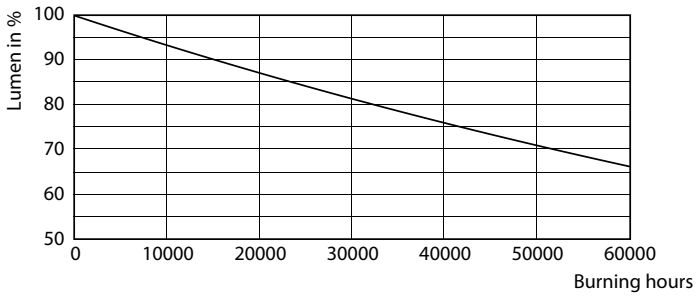


Light Distribution Diagram - 12T8/PRO/48-850/IF18/G 10/1 FB

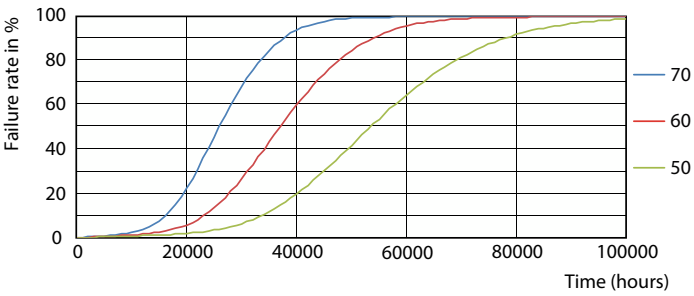
Lifetime



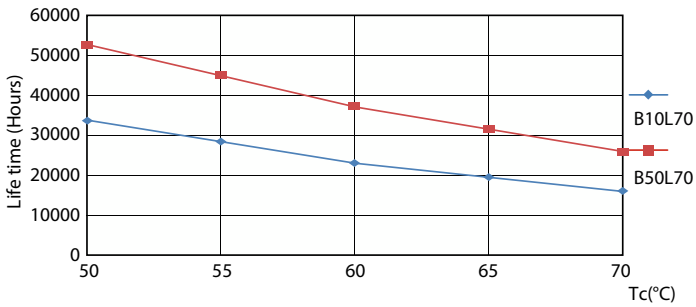
Lumen Maintenance Diagram - 12T8/PRO/48-850/IF18/G 10/1 FB



Lumen Maintenance Diagram - 12T8/PRO/48-850/IF18/G 10/1 FB



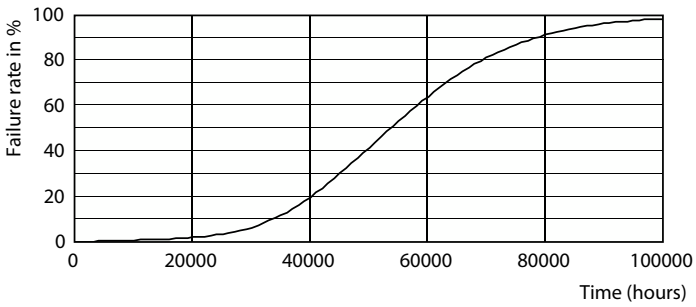
Life Expectancy Diagram - 12T8/PRO/48-850/IF18/G 10/1 FB



Life Expectancy Diagram - 12T8/PRO/48-850/IF18/G 10/1 FB

T8

Lifetime



Life Expectancy Diagram - 12T8/PRO/48-850/IF18/G 10/1 FB

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