

LED InstantFit Lamps

14T8/COR/48-850/MF18/G 1/4 FFP

Philips LED T8 InstantFit Lamps are an ideal energy saving choice for existing linear fluorescent fixtures.

Warnings and Safety

- Perform a visual inspection to ensure lamp holders (or sockets) are not damaged or loose. If the lamp holders (or sockets) are damaged, corroded, charred, blackened or loose, contact a qualified electrician for proper replacement.
- Please refer to the ballast compatibility guide located at www.philips.com/instantfit.

Product data

General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	36,000 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)	128.00 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	14 W
Lamp Current (Max)	130 mA
Lamp Current (Min)	47 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

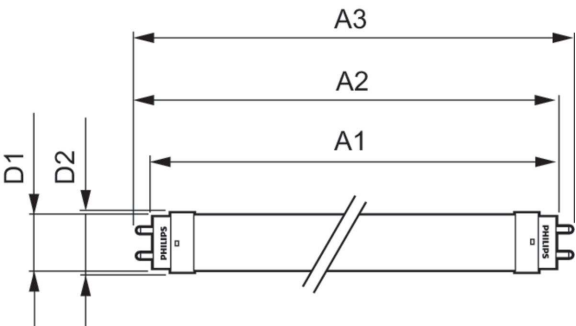
LED InstantFit Lamps

Approval and Application	
Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance
Energy Consumption kWh/1000 h	- kWh

Product Data	
Order product name	14T8/COR/48-850/MF18/G 1/4 FFP
Full product name	14T8/COR/48-850/MF18/G 1/4 FFP

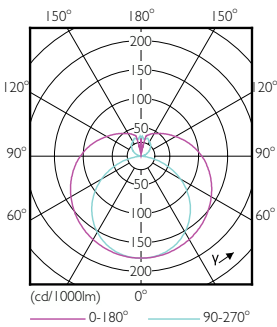
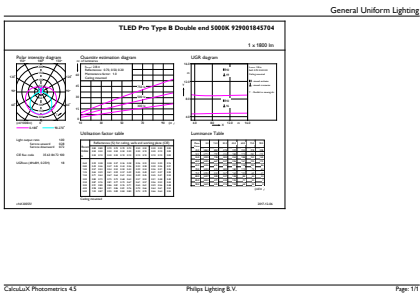
Order code	538389
Material Nr. (12NC)	929001845763
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677538385
Numerator - Packs per outer box	1
EAN/UPC - Case	50046677538380

Dimensional drawing



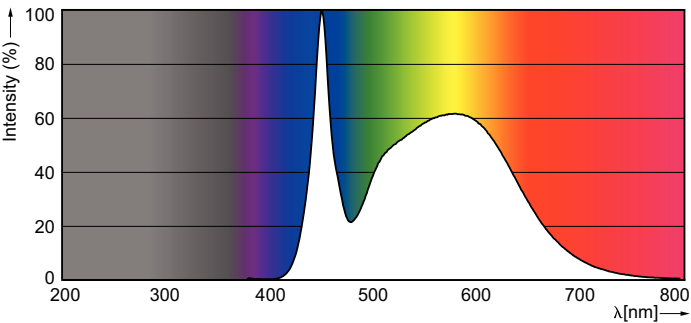
Product	D1	D2	A1	A2	A3
14T8/COR/48-850/MF18/G 1/4 FFP	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data



General uniform lighting - 14T8/COR/48-850/MF18/G 1/4 FFP

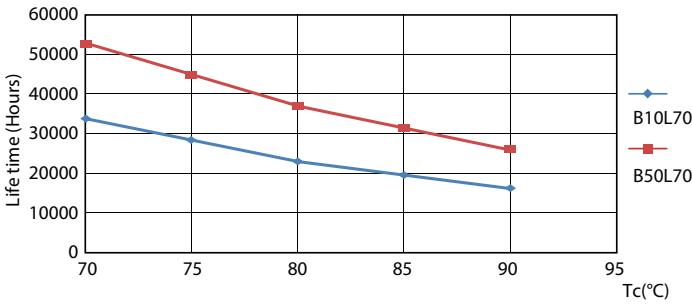
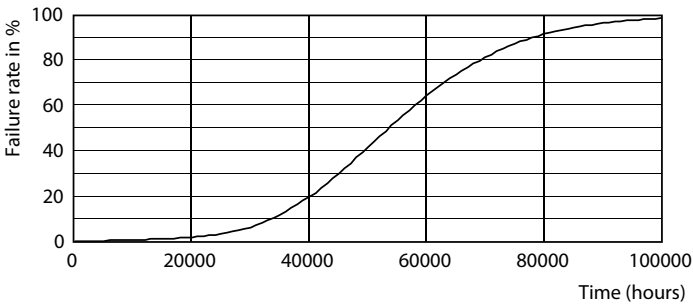
Light Distribution Diagram - 14T8/COR/48-850/MF18/G 1/4 FFP



Spectral Power Distribution Colour - 14T8/COR/48-850/MF18/G 1/4 FFP

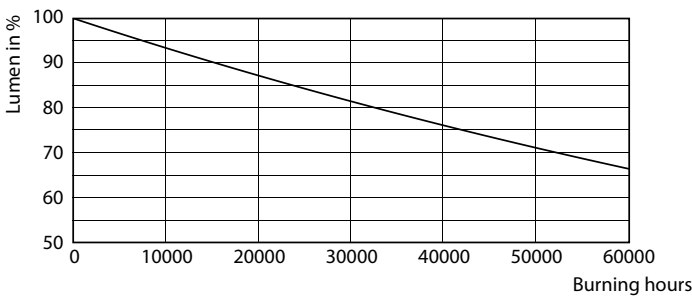
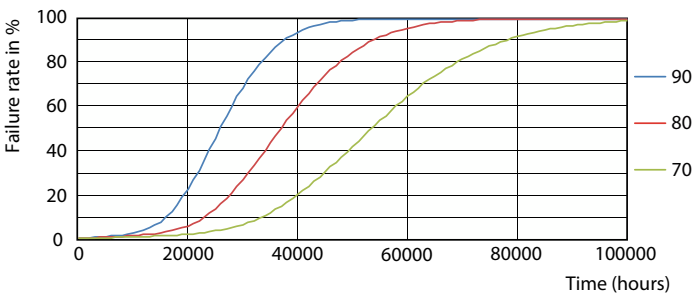
LED InstantFit Lamps

Lifetime



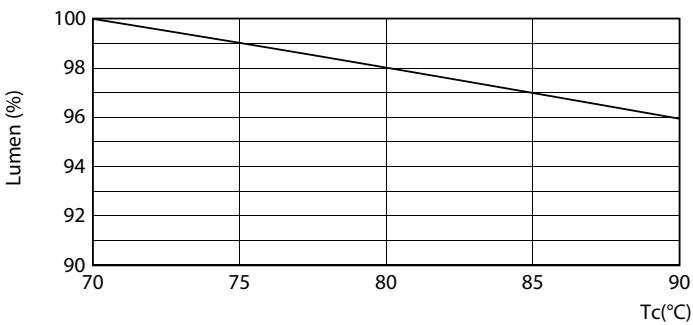
Life Expectancy Diagram - 14T8/COR/48-850/MF18/G 1/4 FFP

Life Expectancy Diagram - 14T8/COR/48-850/MF18/G 1/4 FFP



Life Expectancy Diagram - 14T8/COR/48-850/MF18/G 1/4 FFP

Lumen Maintenance Diagram - 14T8/COR/48-850/MF18/G 1/4 FFP



Lumen Maintenance Diagram - 14T8/COR/48-850/MF18/G 1/4 FFP

LED InstantFit Lamps

