![Philips Lighting logo]

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15T8/COR/48-850/MF21/G 10/1

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	2,100 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	140.00 lm/W
Color Consistency	<5
Color rendering index (CRI)	82
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	15 W
Lamp Current (Max)	125 mA
Lamp Current (Min)	55 mA
Wattage Equivalent	32 W
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
UL Type	Type B - bypass the ballast

Temperature

Ambient temperature range	-4 °F to 113 °F
T-Case Maximum (Nom)	158 °F

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Frosted

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Bulb Material	Glass
Product Length	47-1/4 inch
Bulb Shape	T8

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

Product Data	
Order product name	15T8/COR/48-850/MF21/G 10/1

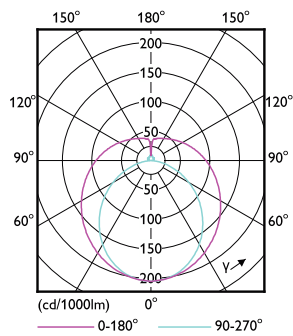|	
Full product name	15T8/COR/48-850/MF21/G 10/1
Order code	471771
Material Nr. (12NC)	929002395104
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	046677471774
Numerator – Packs per outer box	10
EAN/UPC – Case	50046677471779

Dimensional drawing
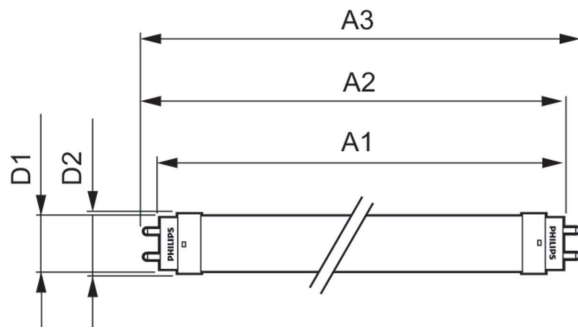
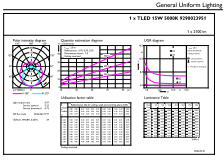| Product |
|---|
| 15T8/COR/48-850/MF21/G 10/1 |

Photometric data
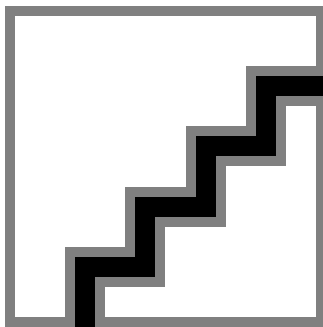
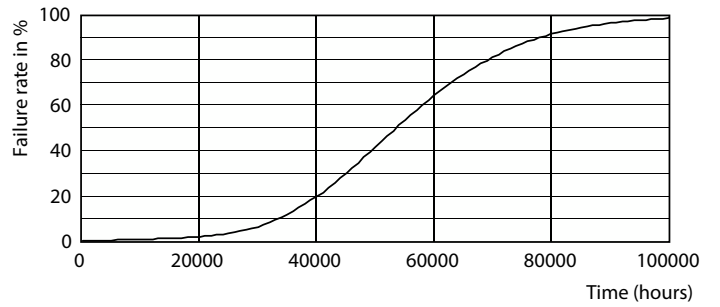**Spectral Power Distribution Colour – 15T8/COR/48-850/MF21/G 10/1**
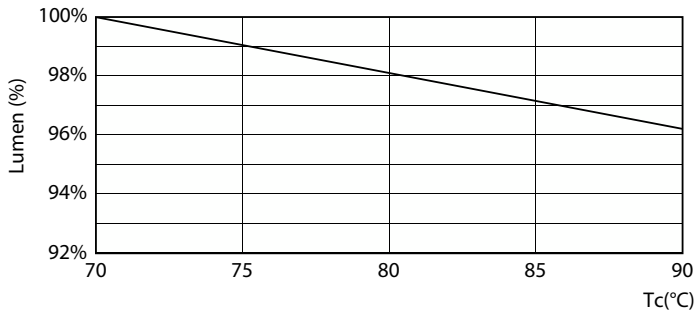

Light Distribution Diagram – 15T8/COR/48-850/MF21/G 10/1

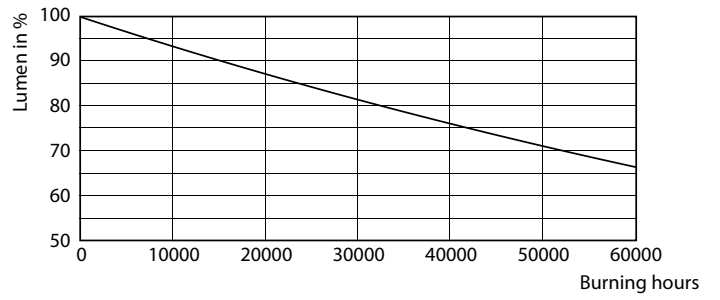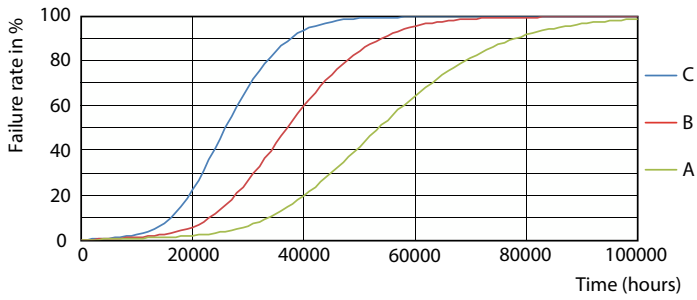# T8

Photometric data

General uniform lighting – 15T8/COR/48-850/MF21/G 10/1

Lifetime

Lumen Maintenance Diagram – 15T8/COR/48-850/MF21/G 10/1

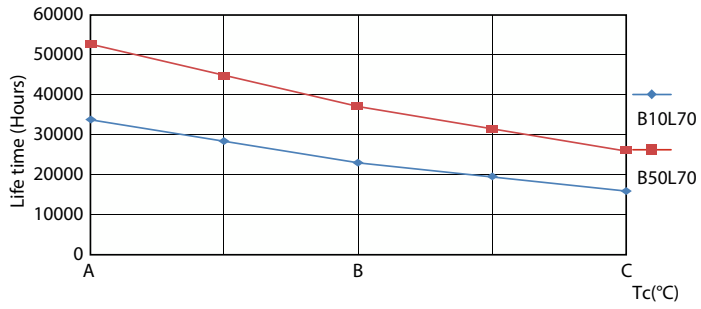Life Expectancy Diagram – 15T8/COR/48-850/MF21/G 10/1

Life Expectancy Diagram – 15T8/COR/48-850/MF21/G 10/1

Lumen Maintenance Diagram – 15T8/COR/48-850/MF21/G 10/1

Lifetime

Life time (Hours) vs Tc(°C)

Legend:
- B10L70
- B50L70

Life Expectancy Diagram – 15T8/COR/48-850/MF21/G 10/1

www.lighting.philips.com

2023, April 29 – data subject to change