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10T8/COR/48-850/IF16/G 25/1

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.
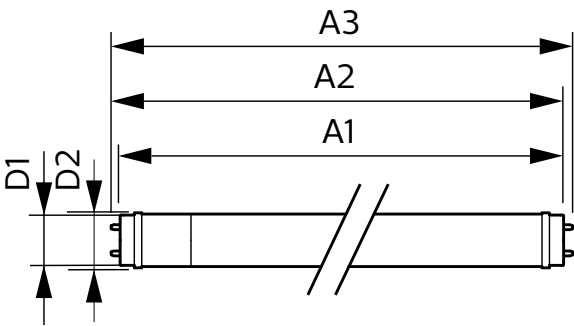
Product data

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	1,600 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	160.00 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

Input Frequency	25000-105000 Hz
Power Consumption	10 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	-20 ℃ to 45 ℃
T-Case Maximum (Nom)	50 ℃

Controls and Dimming

Dimmable	No

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Mechanical and Housing

Product Length	1,200 mm
Bulb Shape	Tube, double-ended

Approval and Application

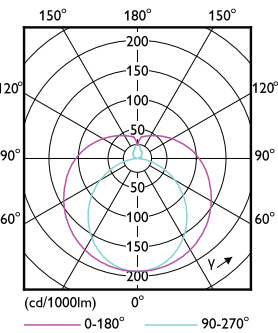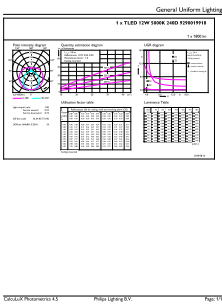|	
Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance
Energy Consumption kWh/1000 h	– kWh
Energy Certifications	DLC Standard

Product Data

Order product name	10T8/COR/48-850/IF16/G 25/1
Full product name	10T8/COR/48-850/IF16/G 25/1
Order code	541994
Material Nr. (12NC)	929001991804
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	046677541996
Numerator – Packs per outer box	25
EAN/UPC – Case	50046677541991

Dimensional drawing

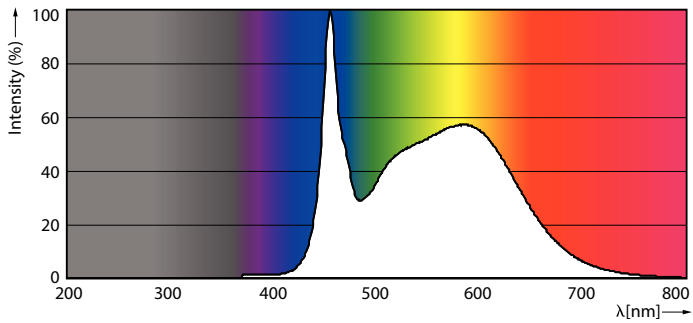| Product	D1	D2	A1	A2	A3
10T8/COR/48-850/IF16/G 25/1	25.7 mm	28 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

Photometric data

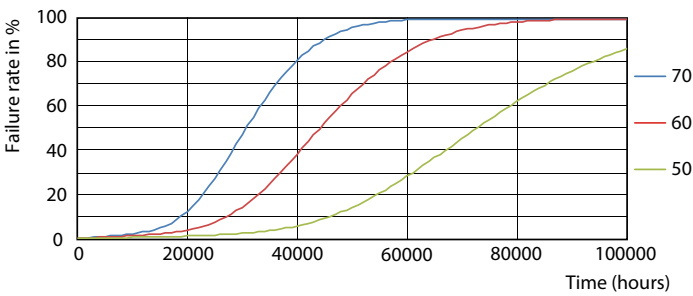**General uniform lighting – 10T8/COR/48-850/IF16/G 25/1**

Light Distribution Diagram – 10T8/COR/48-850/IF16/G 25/1
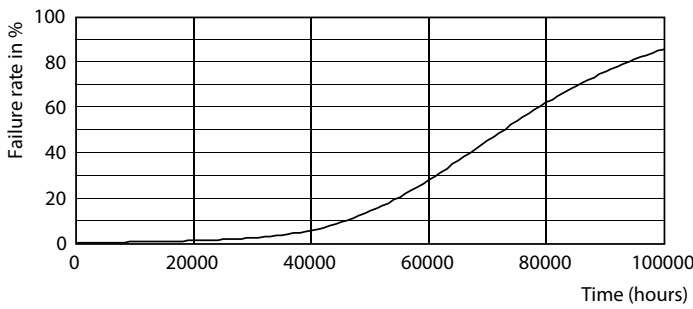
T8

Photometric data

Spectral Power Distribution Colour – 10T8/COR/48-850/IF16/G 25/1
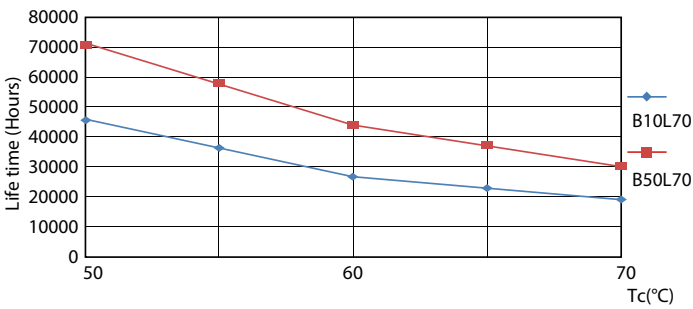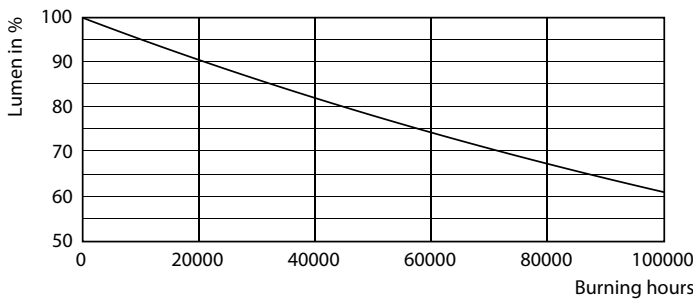
Lifetime

Life Expectancy Diagram – 10T8/COR/48-850/IF16/G 25/1

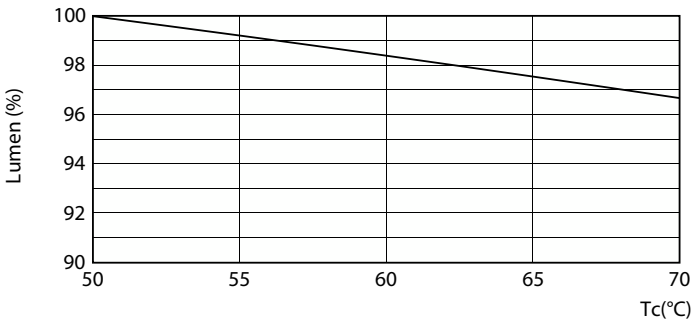Life Expectancy Diagram – 10T8/COR/48-850/IF16/G 25/1

Life Expectancy Diagram – 10T8/COR/48-850/IF16/G 25/1

Lumen Maintenance Diagram – 10T8/COR/48-850/IF16/G 25/1

Lifetime

Lumen Maintenance Diagram – 10T8/COR/48-850/IF16/G 25/1

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2023, August 2 – data subject to change