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14T8/COR/48-840/IF21/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.
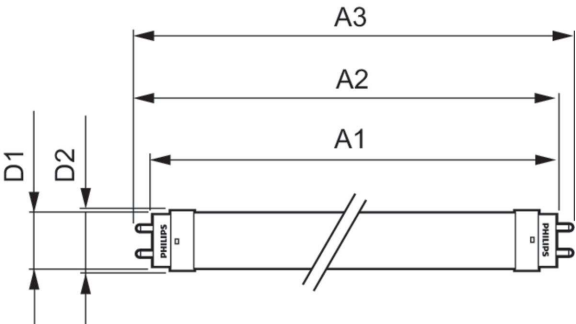
Product data

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	840 [CCT of 4000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	2,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150.00 lm/W
Color Consistency	<6
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	14 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

Temperature

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

Controls and Dimming

Dimmable	No

Mechanical and Housing

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

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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	14T8/COR/48-840/IF21/G 10/1

Full product name	14T8/COR/48-840/IF21/G 10/1
Order code	537803
Material Nr. (12NC)	929001343264
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	046677537807
Numerator – Packs per outer box	10
EAN/UPC – Case	50046677537802

Dimensional drawing
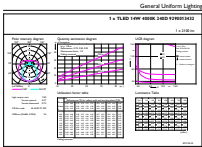
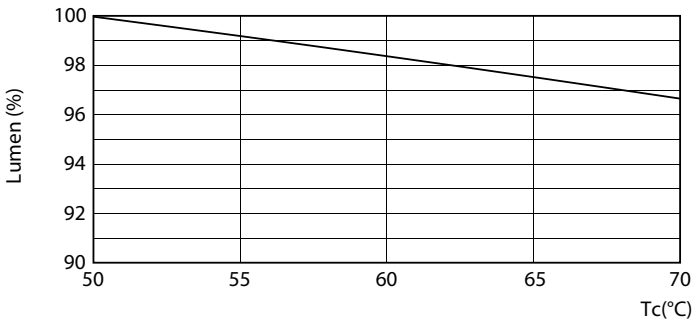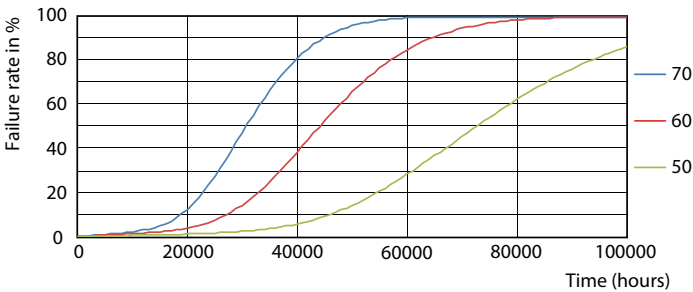| Product	D1	D2	A1	A2	A3
14T8/COR/48-840/IF21/G 10/1	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data
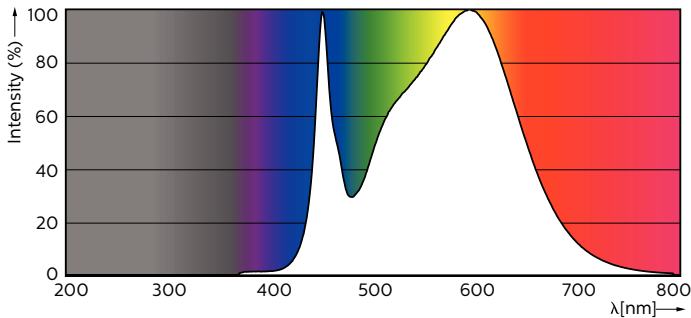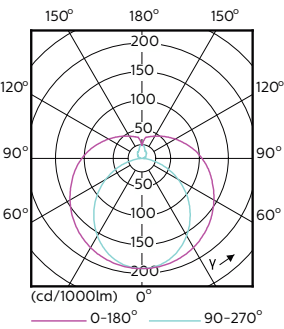
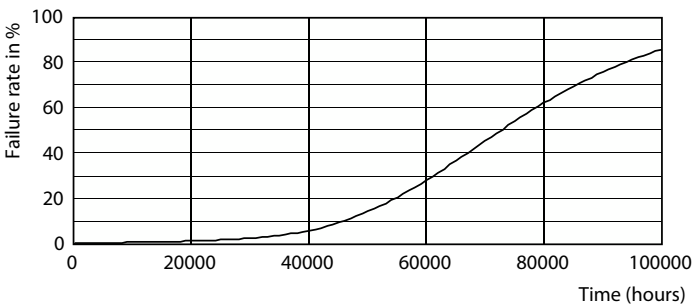Light Distribution Diagram – 14T8/COR/48-840/IF21/G 10/1

Spectral Power Distribution Colour – 14T8/COR/48-840/IF21/G 10/1

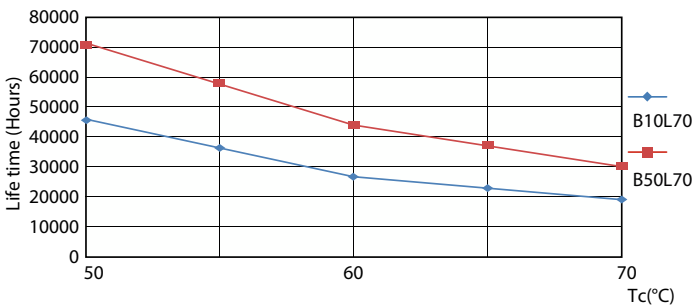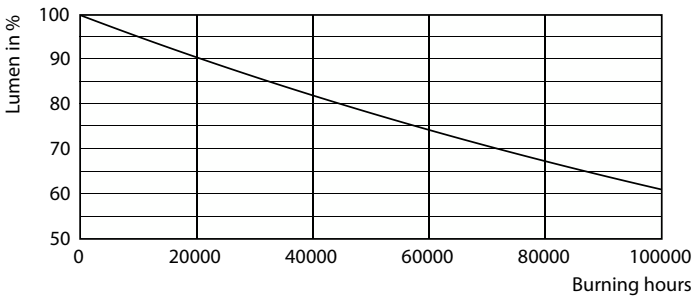General uniform lighting – 14T8/COR/48-840/IF21/G 10/1

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Lifetime

Failure rate in % vs Time (hours) — curves labeled 70, 60, 50

Lumen (%) vs Tc(°C)

Life Expectancy Diagram – 14T8/COR/48–840/IF21/G 10/1

Lumen Maintenance Diagram – 14T8/COR/48–840/IF21/G 10/1

Failure rate in % vs Time (hours)

Life time (Hours) vs Tc(°C) — B10L70, B50L70

Life Expectancy Diagram – 14T8/COR/48–840/IF21/G 10/1

Life Expectancy Diagram – 14T8/COR/48–840/IF21/G 10/1

Lumen in % vs Burning hours

Lumen Maintenance Diagram – 14T8/COR/48–840/IF21/G 10/1

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2023, November 12 – data subject to change