Corepro InstantFit (UL Type-A) T8

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

The CorePro InstantFit LED lamps provide hassle-free installation with simple lamp-for-lamp replacements. They deliver what we promise, with at least 40% energy savings, flicker-free performance, and the life you would expect .Other lamps claim compatibility but only CorePro InstantFit (UL Type A) has been proven to work with over 200 ballasts and drivers, delivering even light output, with proven energy savings and a long average lifetime. End users will be delighted being under these comfortable and high quality CorePro InstantFit lamps with no visible flicker and optimized optics. Energy managers will enjoy these lamps too as they can count the savings delivered by our lamps. To enjoy more energy savings, the CorePro InstantFit lamps can be paired with the Advance TLED drivers to create a Type C system.

Product data

General Information

Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED

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	25000-105000 Hz
Power Consumption	10 W
Lamp Current (Max)	260 mA
Lamp Current (Min)	100 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, 347 V

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UL Type	UL Type A

Temperature

T-Case Maximum (Nom)	122 °F

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	47-1/4 inch
Bulb Shape	T8
Net Weight (Piece)	0.507 lb

Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance

Energy Consumption kWh/1000 h	– kWh
EU RoHS compliant	Yes
Ambient temperature range	–4 °F to 113 °F

Application Conditions

can it be used in closed luminaires	Yes

Product Data

Order product name	10T8/COR/48-850/IF16/G/DIM 10/1
Full product name	10T8/COR/48-850/IF16/G/DIM 10/1
Order code	553248
Material Nr. (12NC)	929001991834
Numerator – Quantity Per Pack	1
EAN/UPC – Product/Case	046677553241
Numerator – Packs per outer box	10
EAN/UPC – Case	50046677553246

Dimensional drawing
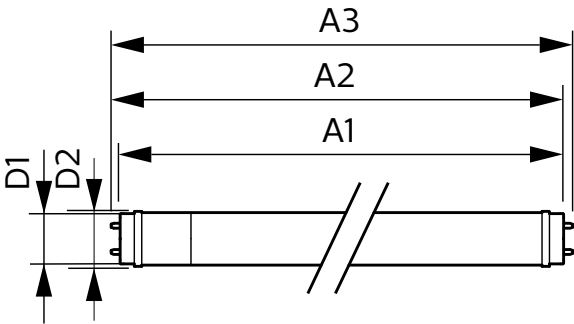
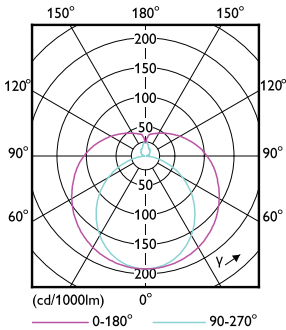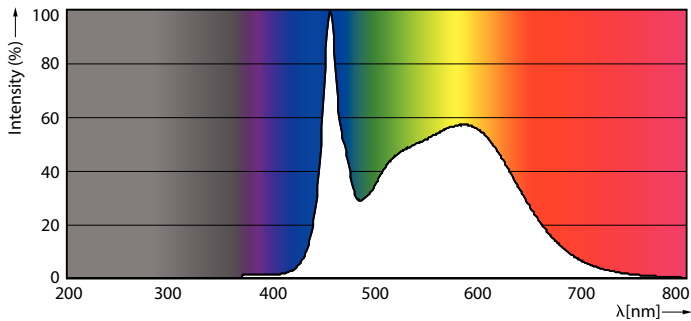| Product	D1	D2	A1	A2	A3
10T8/COR/48-850/IF16/G/DIM 10/1	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data
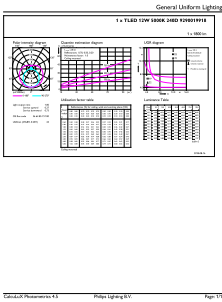
General uniform lighting – 10T8/COR/48-850/IF16/G/DIM 10/1

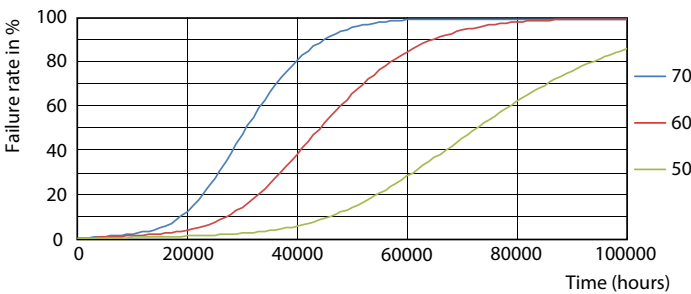Light Distribution Diagram – 10T8/COR/48-850/IF16/G/DIM 10/1

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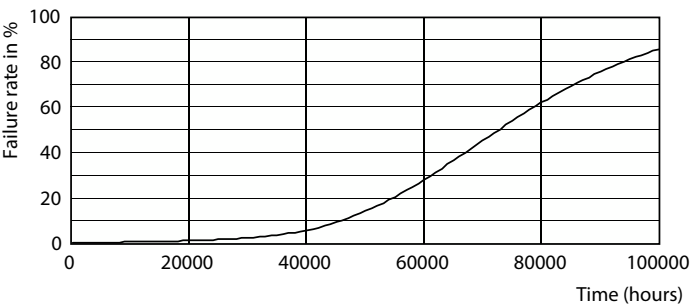
Photometric data

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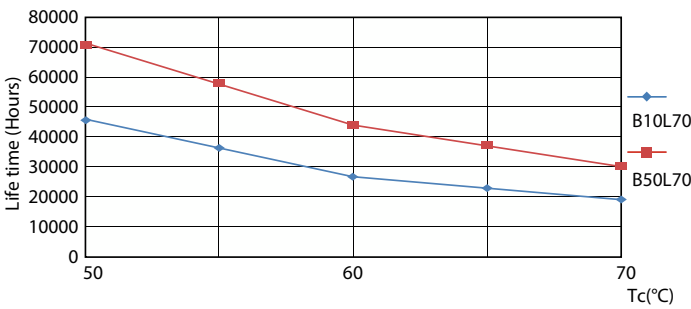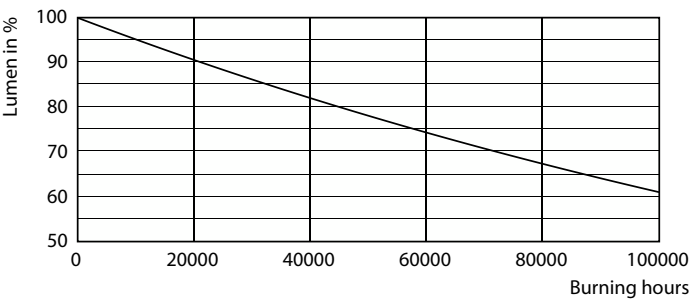
Lifetime

LEDtube 70K 5070 FailureRate-LED
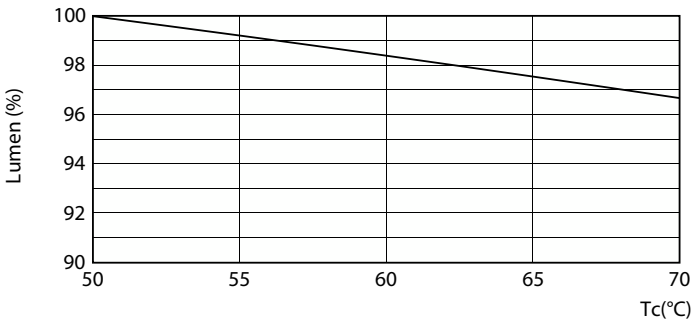

Life Expectancy Diagram

LEDtube 70K 5070 LifetimeVsTc-LED

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

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Lifetime

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

www.lighting.philips.com

2024, February 16 – data subject to change