PHILIPS Lighting

T8

10.5T8/COR/48-850/IF16/G/DIM/BAA 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
Buy American Compliant Products	Yes

Light Technical

Color Code	850 [CCT of 5000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,650 lm
Luminous Efficacy (rated) (Nom)	157.00 lm/W
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Color Consistency	<5
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Line Frequency	20K to 120K Hz

Input Frequency	20K to 120K Hz
Power Consumption	10.5 W
Lamp Current (Max)	350 mA
Lamp Current (Min)	90 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	TLED_Type A; UL listed HF

Temperature

Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	50 °C

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass

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Product Length	1,200 mm
Bulb Shape	T8

Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes

Product Data	
Order product name	10.5T8/COR/48–850/IF16/G/DIM/BAA 25/1

Full product name	10.5T8/COR/48-850/IF16/G/DIM/BAA 25/1
Order code	929003144704
Material Nr. (12NC)	929003144704
Numerator – Quantity Per Pack	1
Net Weight (Piece)	0.206 kg
EAN/UPC – Product/Case	046677576790
Numerator – Packs per outer box	25
EAN/UPC – Case	50046677576795

Dimensional drawing
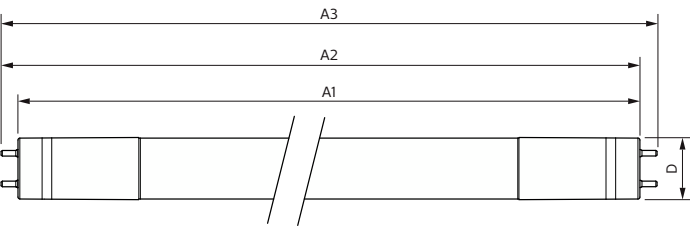
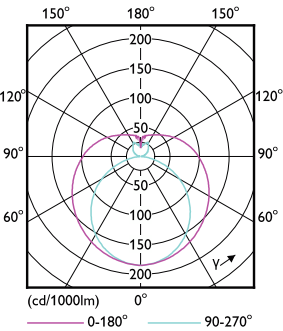| Product	D1	D2	A1	A2	A3
10.5T8/COR/48–850/ IF16/G/DIM/BAA 25/1	25.7 mm	25.7 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data
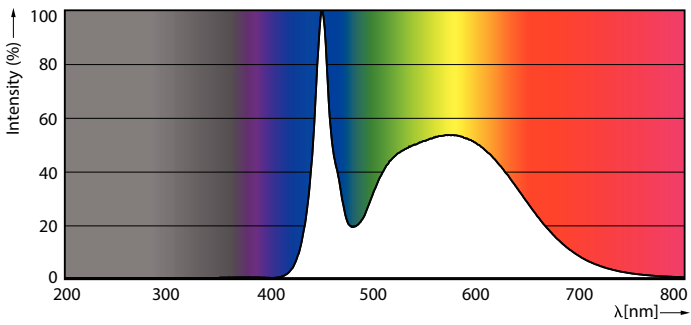
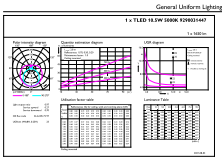

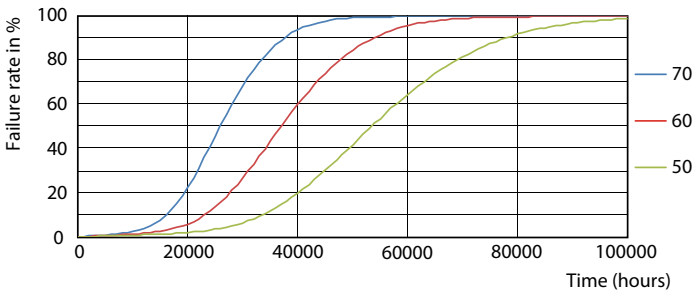Spectral Power Distribution Colour – 10.5T8/COR/48–850/IF16/G/DIM/BAA 25/1

Light Distribution Diagram – 10.5T8/COR/48–850/IF16/G/DIM/BAA 25/1

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Photometric data

General Uniform Lighting
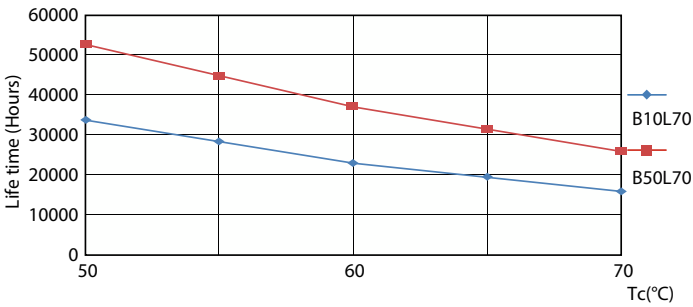1 x TLED 10.5W 5000K 929031447

General uniform lighting – 10.5T8/COR/48-850/IF16/G/DIM/BAA 25/1
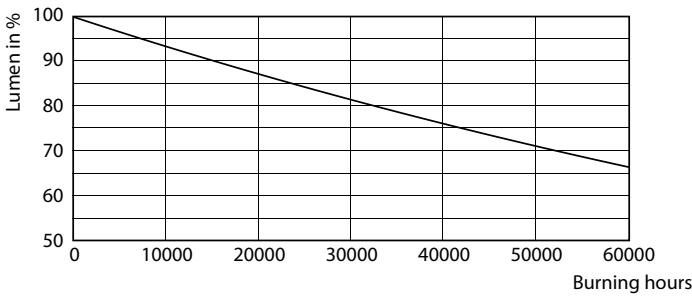
Lifetime

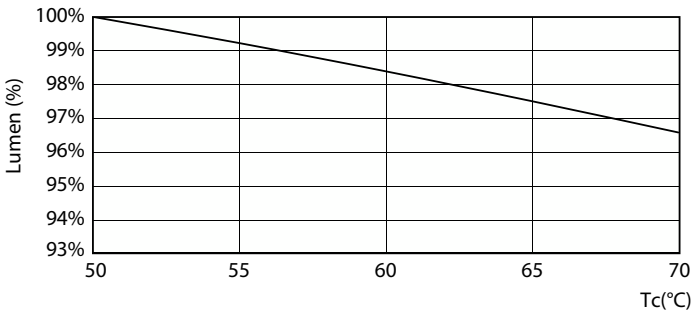Life Expectancy Diagram

FailureRate

LifetimeVsTc

Lumen Maintenance Diagram – 10.5T8/COR/48-850/IF16/G/DIM/BAA 25/1

Lifetime

Lumen Maintenance Diagram – 10.5T8/COR/48–850/IF16/G/DIM/BAA 25/1

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2024, July 15 – data subject to change