PHILIPS Lighting

T8

9.9T8/COR/48-840/MF16/G 10/1

Philips MainsFit (UL Type B) CorePro T8 LED tubes deliver high-quality, flicker free performance at an affordable price. The UL Type B LED tubes are designed with easy installation and long-term maintenance simplicity in mind. Upgrade your lighting to Philips and realize 50,000 hour LED lifetime backed by a 5-year, full replacement limited warranty. The DLC 5.1 listed products are compatible with Philips new PTB15D emergency driver meeting UL 924 requirements.

Product data

General information

Base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	50000 h
Switching Cycle	50000
Tier	CorePro

Light technical

Color Code	841 [CCT of 4100K (841)]
Beam Angle (Nom)	240 °
Initial lumen (Nom)	1600 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	161.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical

Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	9.9 W
Lamp Current (Max)	85 mA
Lamp Current (Min)	40 mA
Wattage Equivalent	32 W
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
UL Type	Type B - bypass the ballast
Power Factor (Nom)	0.9
Voltage (Nom)	120-277 V

Temperature

T-Ambient (Max)	113 °F
T-Ambient (Min)	-4 °F
T-Storage (Max)	149 °F
T-Storage (Min)	-40 °F
T-Case Maximum (Nom)	158 °F

Controls and dimming

Dimmable	Limited

Mechanical and housing

Bulb Finish	Frosted

T8

Bulb Material	Glass
Product Length	47-1/4 in
Bulb Shape	Tube, double-ended

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

Product data	
Order product name	9.9T8/COR/48-840/MF16/G 10/1

EAN/UPC – Product	046677563462
Order code	563460
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	10
Material Nr. (12NC)	929002483804
Net Weight (Piece)	0.441 lb
Model Number	9290024838

Dimensional drawing
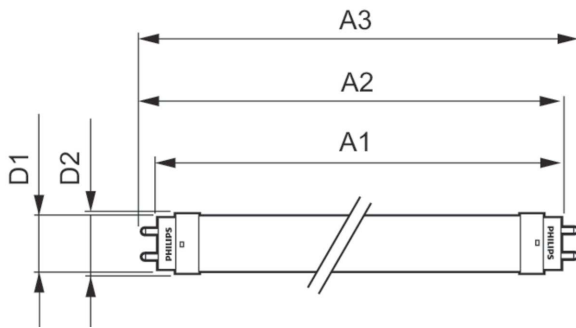
9.9T8/COR/48-840/MF16/G 10/1

Product	D1	D2	A1	A2	A3
9.9T8/COR/48-840/MF16/G 10/1	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in

Photometric data
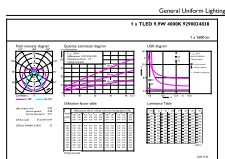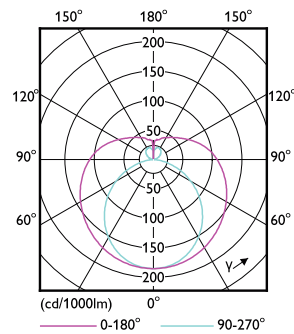
LEDtube COR 9,9W G13 1600lm 840

LEDtube COR 9,9W G13 1550lm

T8

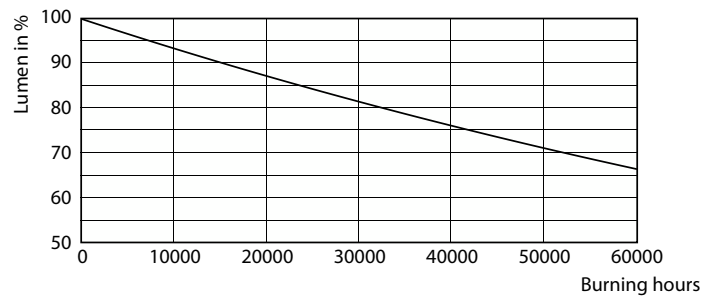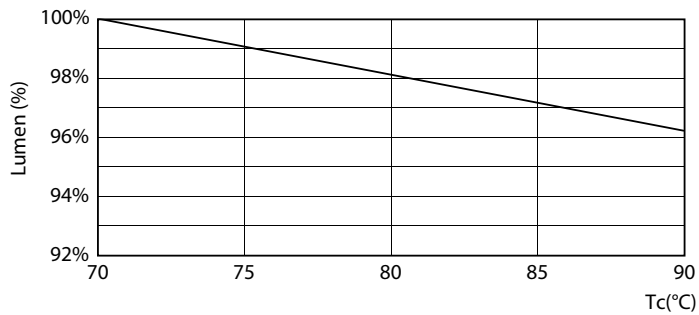## Photometric data
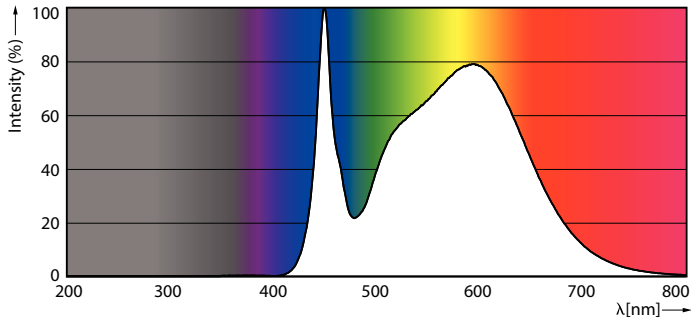
LEDtube COR 9,9W G13 1600lm 840

Lifetime
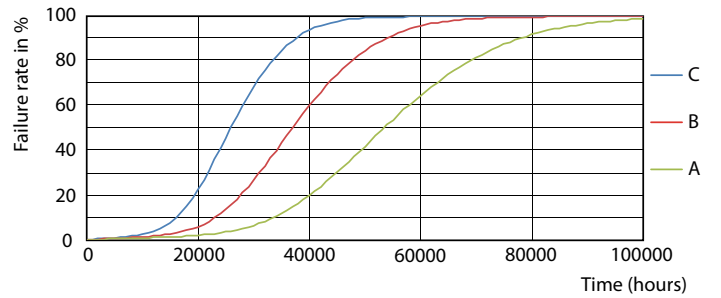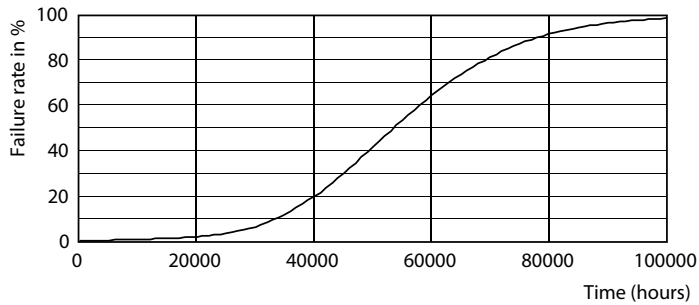
Life Expectancy Diagram

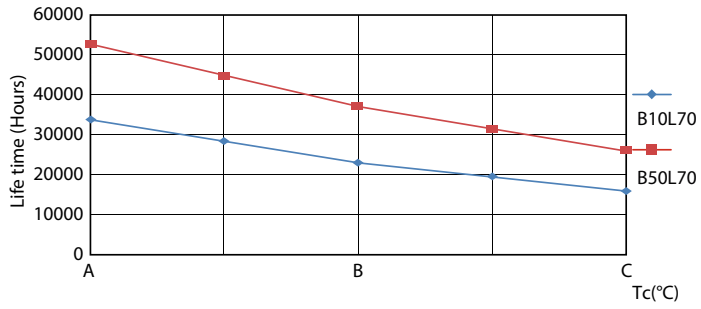
LEDtube 50K FailureRate-LED

LEDtube COR 9,9W 50K LumenVsTc

Lumen Maintenance Diagram

Lifetime

LEDtube 50K LifetimeVsTc-LED

www.lighting.philips.com

2022, December 8 – data subject to change