T8

14.5T8/CNG/48-840/MF18/G 25/1

Philips MainsFit (UL Type B) Basic CorePro (BCP) T8 LED tubes deliver high-quality performance with a focus on affordability 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.

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)	1800 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	124.00 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)	14.5 W
Lamp Current (Max)	125 mA
Lamp Current (Min)	58 mA
Wattage Equivalent	32-30-28-25 W
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
UL Type	TLED_Type B; UL classified double end
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
Bulb Material	Glass
Product Length	47-1/4 in

T8

Bulb Shape	Tube, double-ended

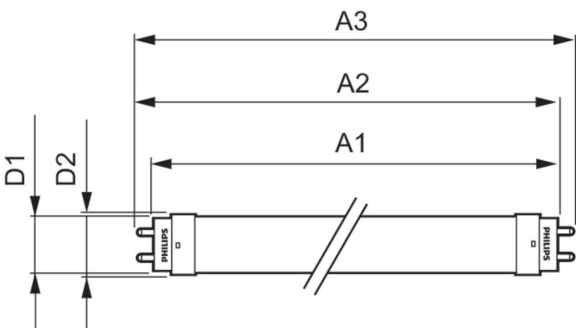
Approval and application

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

Product data

Order product name	14.5T8/CNG/48-840/MF18/G 25/1
EAN/UPC - Product	046677577773
Order code	577775
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	25
Material Nr. (12NC)	929003474604
Net Weight (Piece)	0.419 lb
Model Number	9290034746

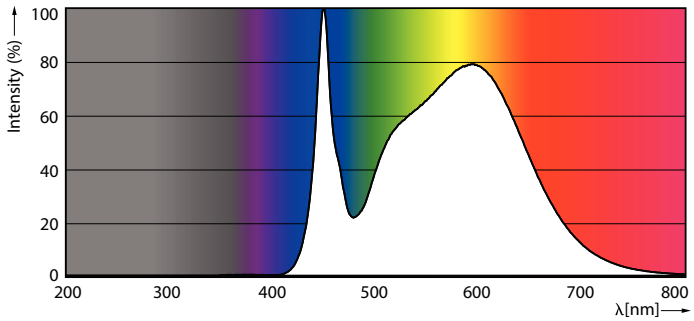
Dimensional drawing



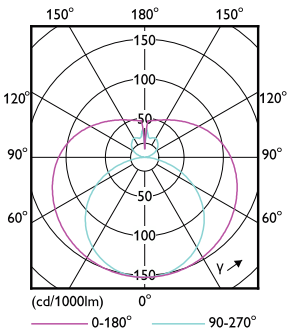
14.5T8/BCP/48-840/MF18/G 25/1

Product	D1	D2	A1	A2	A3
14.5T8/BCP/48-840/MF18/G 25/1	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in

Photometric data



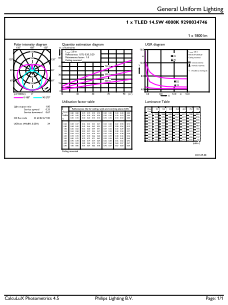
Spectral Power Distribution Colour



Light Distribution Diagram

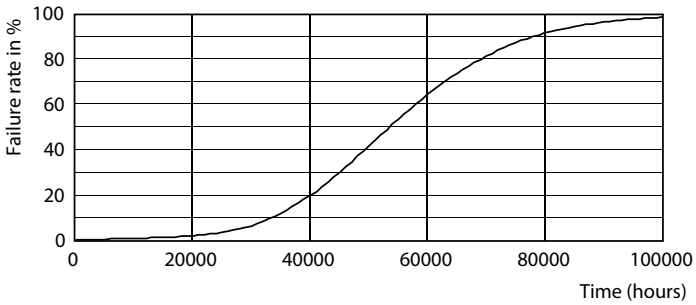
T8

Photometric data

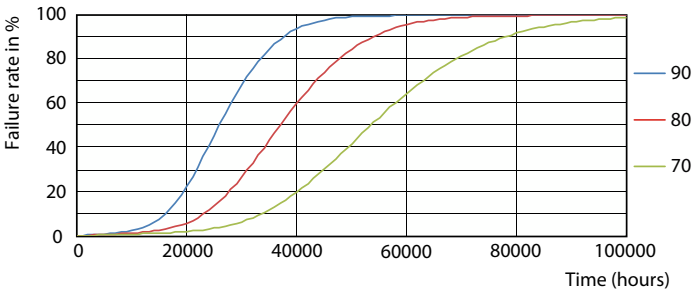


General uniform lighting

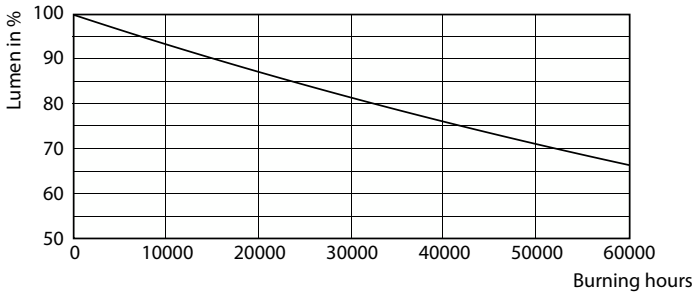
Lifetime



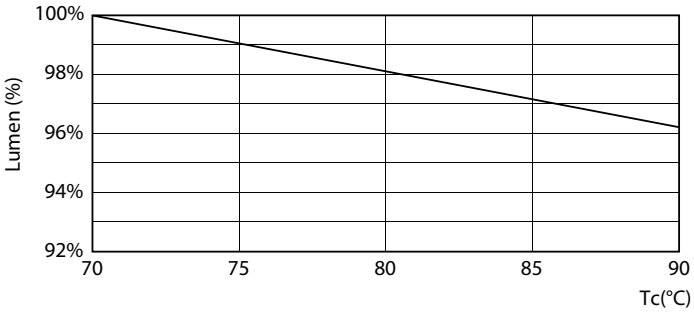
Life Expectancy Diagram



FailureRate



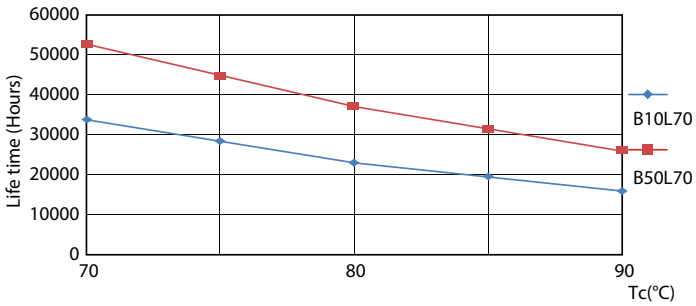
Lumen Maintenance Diagram



LumenVsTc

T8

Lifetime



LifetimeVsTc

© 2022 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.