



T8

16.5T8/MAS/48-840/MF25/P/DIM 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			
Base	G13 [Medium Bi-Pin Fluorescent]	Power (Rated) (Nom)	16.5 W
EU RoHS compliant	Yes	Lamp Current (Max)	144 mA
Nominal Lifetime (Nom)	70000 h	Lamp Current (Min)	68 mA
Switching Cycle	50000X	Starting Time (Nom)	0.5 s
Tier	MasterClass	Warm Up Time to 60% Light (Nom)	0.5 s
Light technical		UL Type	TLED_Type B; UL classified double end
Color Code	841 [CCT of 4100K (841)]	Power Factor (Nom)	0.9
Beam Angle (Nom)	180 °	Voltage (Nom)	120-277 V
Initial lumen (Nom)	2500 lm	Temperature	
Color Designation	Cool White (CW)	T-Ambient (Max)	113 °F
Correlated Color Temperature (Nom)	4000 K	T-Ambient (Min)	-4 °F
Luminous Efficacy (rated) (Nom)	151.00 lm/W	T-Storage (Range)	-40 °C to 65 °C
Color Consistency	6SCDM	T-Storage (Max)	149 °F
Color Rendering Index (Nom)	80	T-Storage (Min)	-40 °F
LLMF At End Of Nominal Lifetime (Nom)	70 %	T-Case Maximum (Nom)	158 °F
Operating and electrical		Controls and dimming	
Input Frequency	50 to 60 Hz	Dimmable	Only with specific dimmers

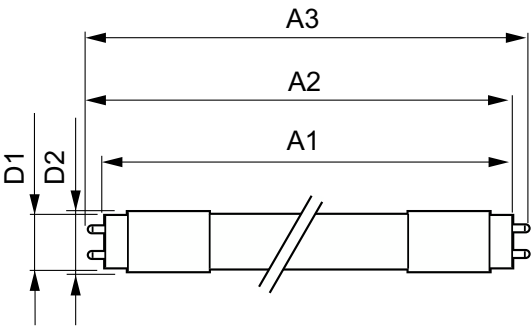
Mechanical and housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	47-1/4 in
Bulb Shape	Tube, double-ended

Approval and application	
Energy Saving Product	Yes
Approbation Marks	RoHS compliance UL certificate DLC compliance

Application conditions	
Ambient temperature range	-20 °C to 45 °C

Product data	
Order product name	16.5T8/MAS/48-840/MF25/P/DIM 25/1
EAN/UPC - Product	046677579524
Order code	579524
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	25
Material Nr. (12NC)	929003525904
Net Weight (Piece)	0.463 lb
Model Number	9290035259

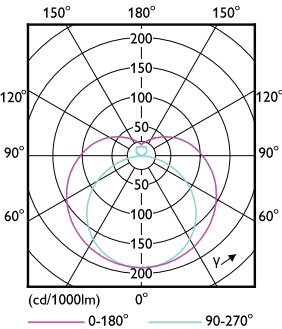
Dimensional drawing



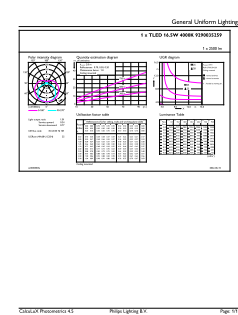
16.5T8/MAS/48-840/MF25/P/DIM 25/1

Product	D1	D2	A1	A2	A3
16.5T8/MAS/48-840/MF25/P/DIM 25/1	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in

Photometric data

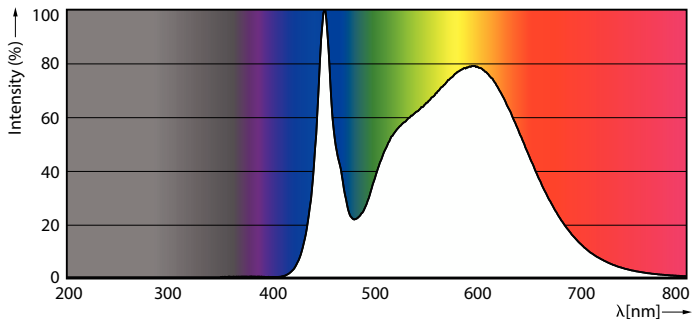


Light Distribution Diagram



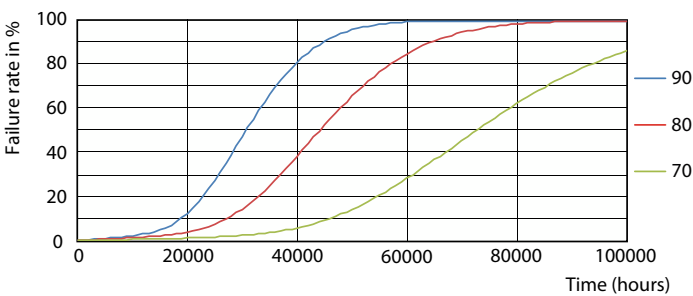
General uniform lighting

Photometric data

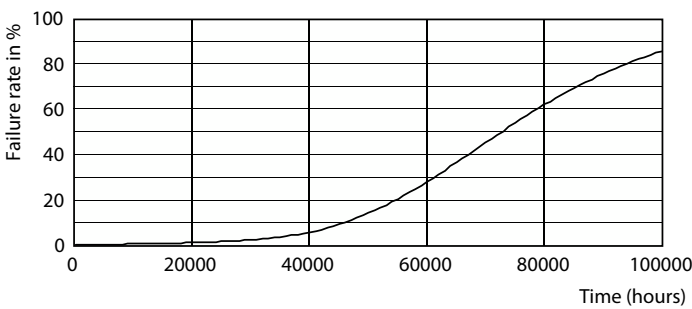


Spectral Power Distribution Colour

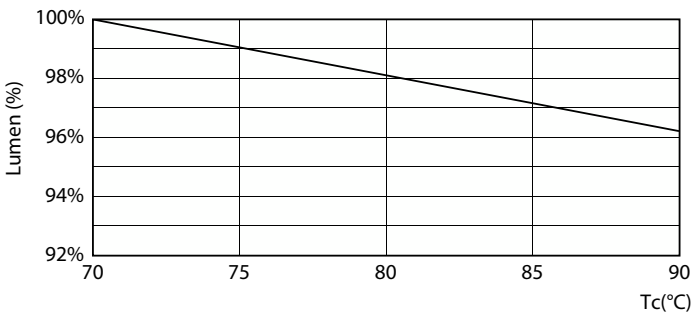
Lifetime



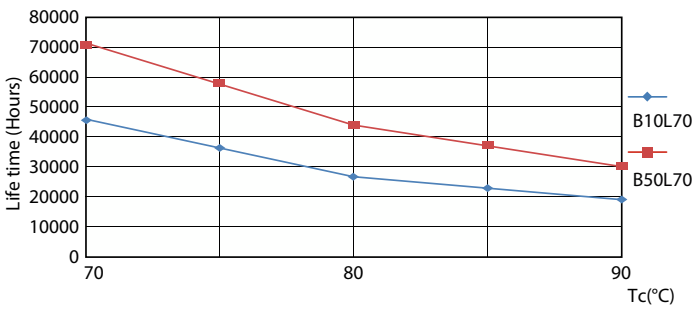
FailureRate



Life Expectancy Diagram



LumenVsTc



LifetimeVsTc

Lifetime



Lumen Maintenance Diagram

