



# T8

## 8.9T8/MAS/48-850/IF16/P/DIM 10/1

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]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	70000 h
Switching Cycle	50000
Technical Type	LEDTECH-LOV
Tier	MasterClass
Light technical	
Color Code	850 [ CCT of 5000K]
Beam Angle (Nom)	180 °
Initial lumen (Nom)	1600 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	179 lm/W
Color Consistency	<5
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and electrical	
Input Frequency	20K to 120K Hz
Power (Rated) (Nom)	8.9 W
Lamp Current (Max)	300 mA
Lamp Current (Min)	90 mA
Wattage Equivalent	32 W
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
UL Type	TLED_Type A; UL listed HF
Power Factor (Nom)	0.9
Voltage (Nom)	120-277,347 V
Temperature	
T-Ambient (Max)	113 °F
T-Ambient (Min)	-4 °F
T-Storage (Range)	-40 °C to 65 °C
T-Storage (Max)	149 °F
T-Storage (Min)	-40 °F
T-Case Maximum (Nom)	104 °F

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## Controls and dimming

Dimmable	Only with specific dimmers
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## 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
Approval Marks	RoHS compliance UL certificate DLC compliance
Energy Consumption kWh/1000 h	- kWh

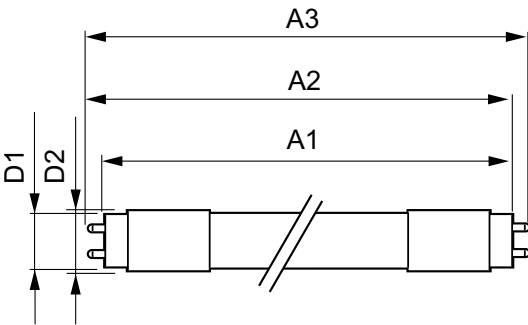
## Application conditions

Ambient temperature range	-20 °C to 45 °C
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## Product data

Order product name	8.9T8/MAS/48-850/IF16/P/DIM 10/1
EAN/UPC - Product	046677565619
Order code	565614
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929003025604
Net Weight (Piece)	0.364 lb
Model Number	9290030256

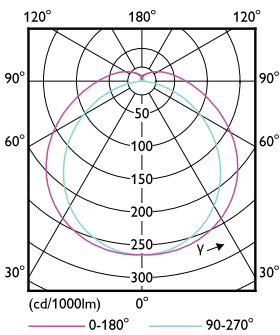
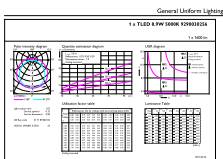
## Dimensional drawing



8.9T8/MAS/48-850/IF16/P/DIM 10/1

Product	D1	D2	A1	A2	A3
8.9T8/MAS/48-850/IF16/P/DIM 10/1	1-1/16 in	1-1/16 in	47-3/16 in	47-1/2 in	47-3/4 in

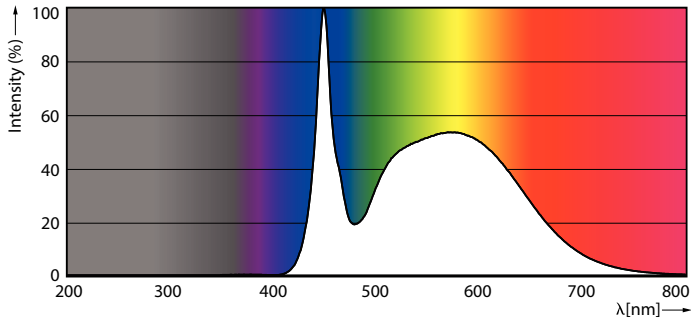
## Photometric data



LEDtube MAS 8,9W G13 1600lm 850

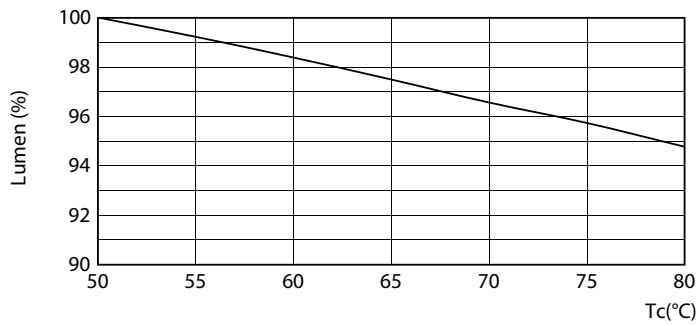
LEDtube MAS 8,9W G13 1500lm

Photometric data

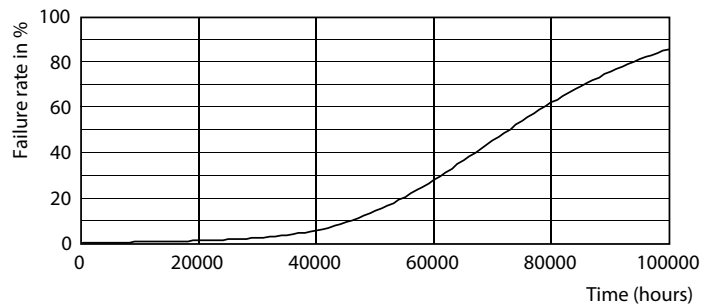


LEDtube MAS 8,9W G13 1600lm 850

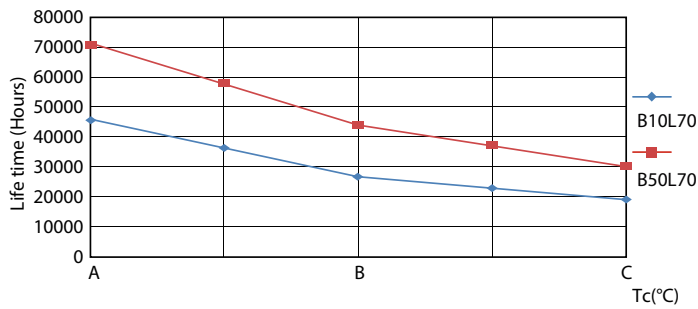
Lifetime



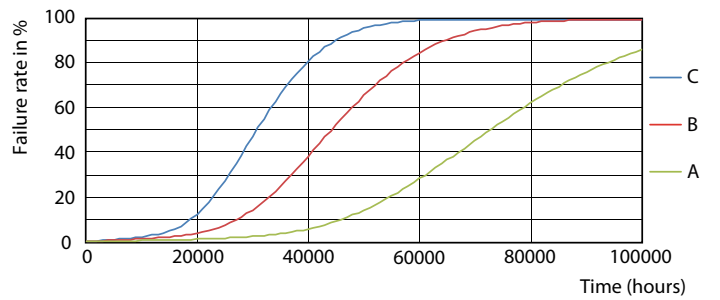
LEDtube MAS 8,9W 70K LumenVsTc



Life Expectancy Diagram

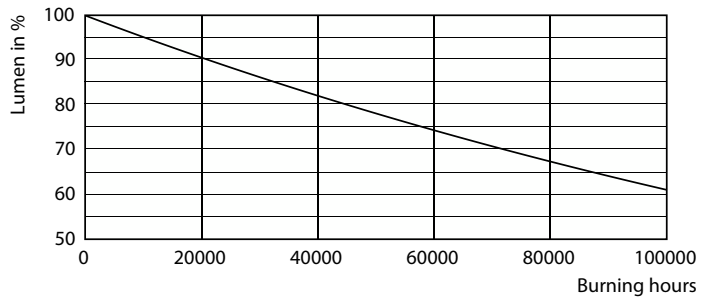


LEDtube\_70K\_LifetimeVsTc-LED



LEDtube\_70K\_FailureRate-LED

Lifetime



Lumen Maintenance Diagram

