



# 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		Power (Rated) (Nom)	
Base	G13 [ Medium Bi-Pin Fluorescent]		8.9 W
EU RoHS compliant	Yes	Lamp Current (Max)	300 mA
Nominal Lifetime (Nom)	70000 h	Lamp Current (Min)	90 mA
Switching Cycle	50000	Wattage Equivalent	32 W
Technical Type	8.9-32W	Starting Time (Nom)	0.5 s
		Warm Up Time to 60% Light (Nom)	0.5 s
		UL Type	Type A - works on ballast
		Power Factor (Nom)	0.9
		Voltage (Nom)	120-277, 347 V
Light technical		Temperature	
Color Code	850 [ CCT of 5000K]	T-Ambient (Max)	113 °F
Beam Angle (Nom)	180 °	T-Ambient (Min)	-4 °F
Initial lumen (Nom)	1600 lm	T-Storage (Max)	149 °F
Color Designation	Daylight	T-Storage (Min)	-40 °F
Correlated Color Temperature (Nom)	5000 K	T-Case Maximum (Nom)	122 °F
Luminous Efficacy (rated) (Nom)	179.00 lm/W		
Color Consistency	<5	Controls and dimming	
Color Rendering Index (Nom)	80	Dimmable	Yes
LLMF At End Of Nominal Lifetime (Nom)	70 %		
Operating and electrical			
Input Frequency	20K to 120K Hz		

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## Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	48 in
Bulb Shape	Tube, double-ended

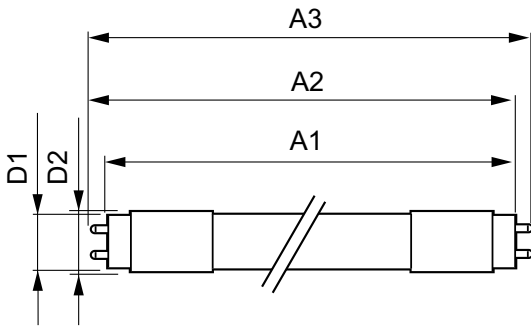
## Approval and application

Energy Saving Product	Yes
Approbation Marks	DLC compliance
Approbation Marks	RoHS compliance UL certificate
Energy Consumption kWh/1000 h	- kWh

## 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)	0.485 lb
Model Number	9290030256

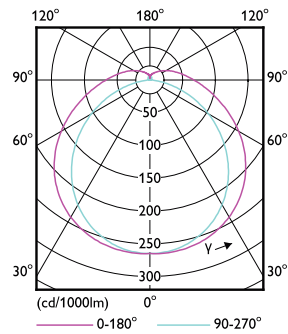
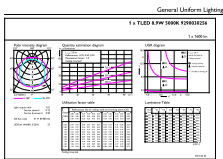
## Dimensional drawing



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

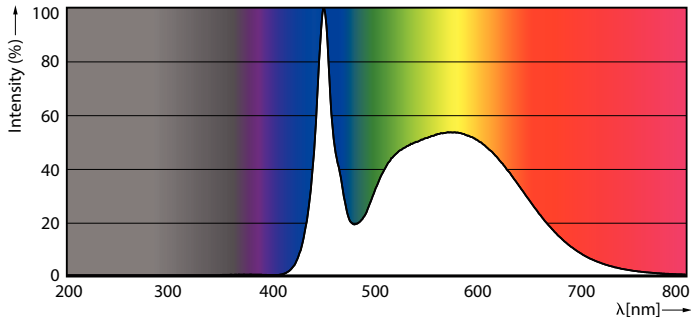
## Photometric data



LEDtube MAS 8,9W G13 1600lm 850

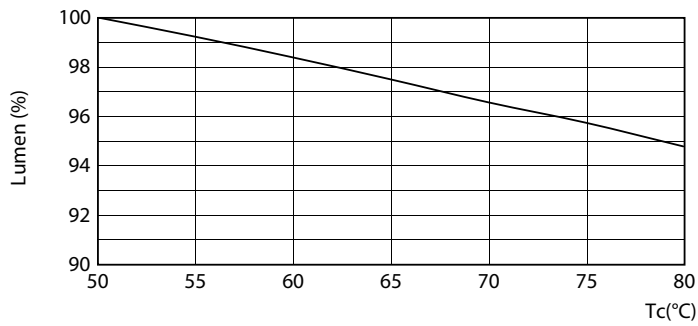
LEDtube MAS 8,9W G13 1500lm

Photometric data

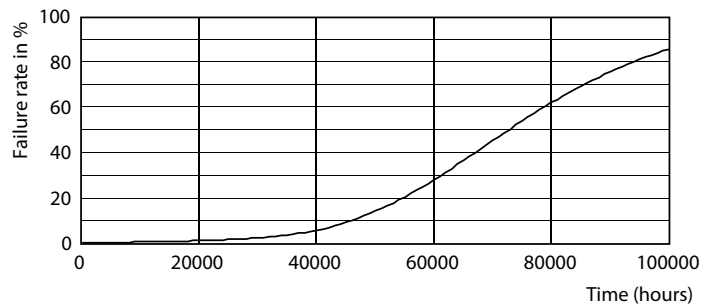


LEDtube MAS 8,9W G13 1600lm 850

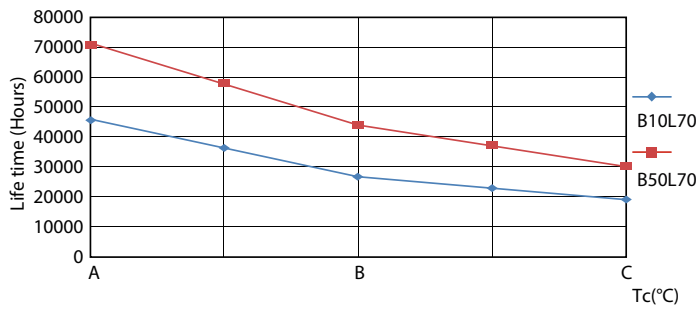
Lifetime



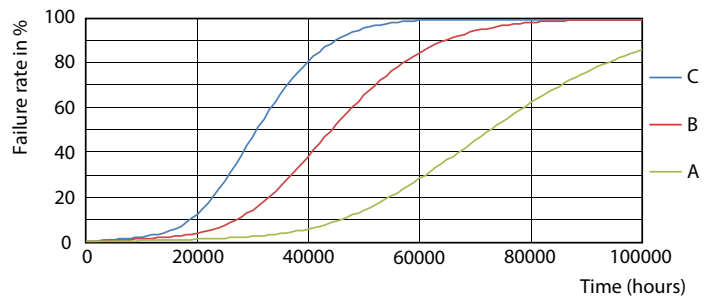
LEDtube MAS 8,9W 70K LumenVsTc



Life Expectancy Diagram



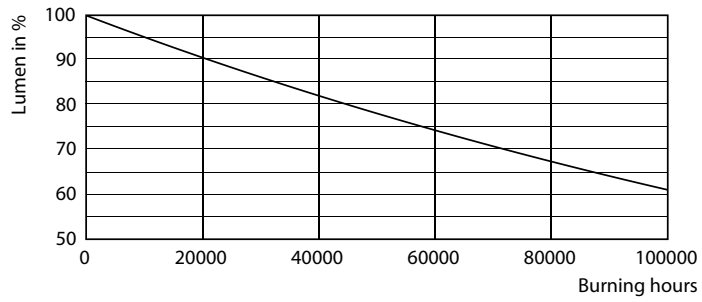
LEDtube\_70K\_LifetimeVsTc-LED



LEDtube\_70K\_FailureRate-LED

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## Lifetime



Lumen Maintenance Diagram

