

# 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	50000X
Technical Type	8.9-32W
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)	179.00 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
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
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	50 °C
Controls and Dimming	
Dimmable	Yes

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## Mechanical and Housing

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

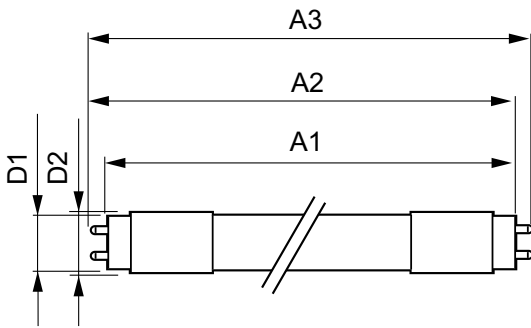
## Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
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)	0.220 kg
Model Number	9290030256

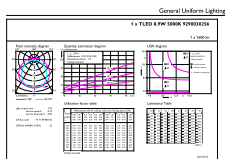
## Dimensional drawing



TLED T8 HFV 8.9-32W 1600lm 5000K G13

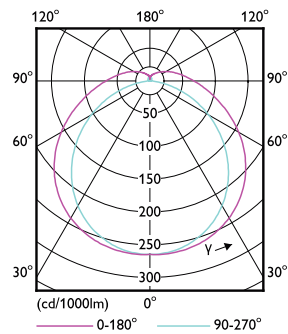
Product	D1	D2	A1	A2	A3
8.9T8/MAS/48-850/IF16/P/DIM 10/1	25.7 mm	26.3 mm	1198.1 mm	1205.2 mm	1212.3 mm

## Photometric data



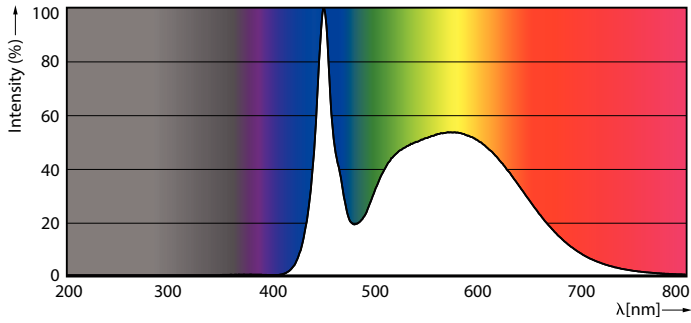
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LEDtube MAS 8,9W G13 1600lm 850



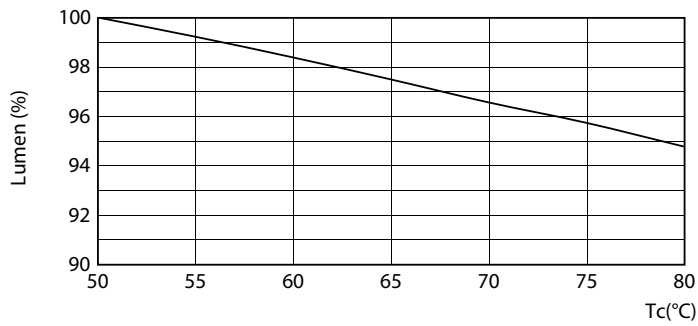
LEDtube MAS 8,9W G13 1500lm

Photometric data

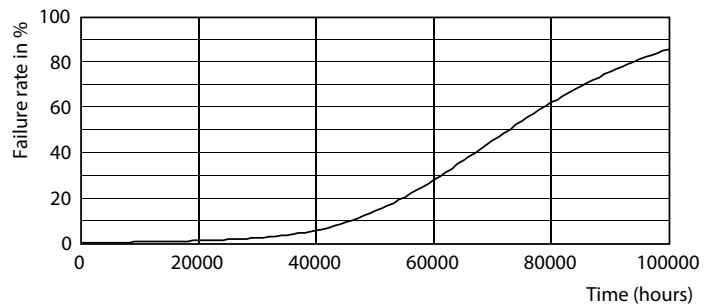


LEDtube MAS 8,9W G13 1600lm 850

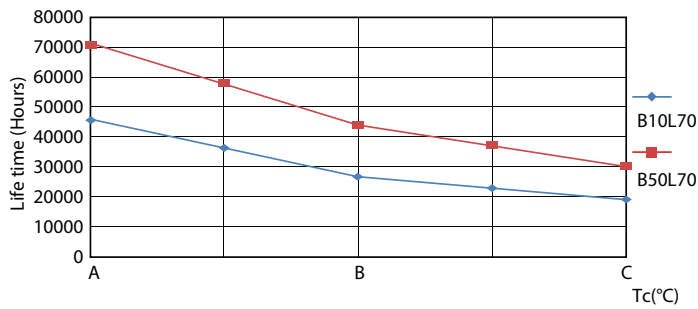
Lifetime



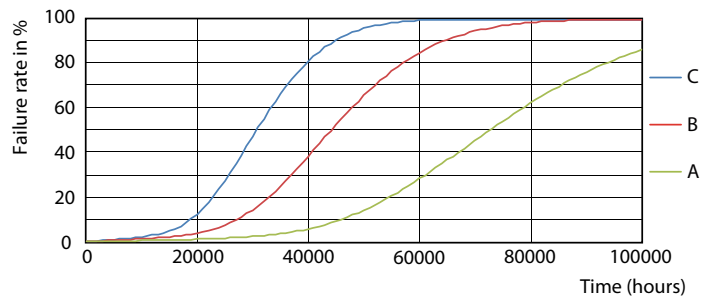
LEDtube MAS 8,9W 70K LumenVsTc



LEDtube\_70K-LED



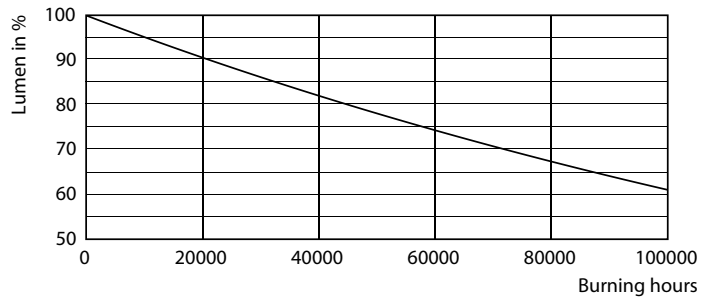
LEDtube\_70K\_LifetimeVsTc-LED



LEDtube\_70K\_FailureRate-LED

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## Lifetime



LEDtube\_70K-LMP

