



T8

9.5T8/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 Cap-Base G13 [Medium Bi-Pin Fluorescent] Nominal lifetime 70,000 hour(s) Switching Cycle 50,000 Lighting Technology LED EU ROHS compliant Yes Light Technical Color Code 850 [CCT of 5000K] Beam Angle (Nom) 180 degree(s) Luminous Flux 1,600 lm Color Designation Daylight Correlated Color Temperature (Nom) 5000 K Luminous Efficacy (rated) (Nom) 168.00 lm/W Color Consistency <5 Color rendering index (CRI) 80 LLMF At End Of Nominal Lifetime (Nom) 70 % Operating and Electrical Line Frequency 50 to 60 Hz						
Nominal lifetime 70,000 hour(s) Switching Cycle 50,000 Lighting Technology LED EU RoHS compliant Yes Light Technical Color Code 850 [CCT of 5000K] Beam Angle (Nom) 180 degree(s) Luminous Flux 1,600 lm Color Designation Daylight Correlated Color Temperature (Nom) 5000 K Luminous Efficacy (rated) (Nom) 168.00 lm/W Color Consistency <5 Color rendering index (CRI) 80 LLMF At End Of Nominal Lifetime (Nom) 70 %	General Information					
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EU RoHS compliant Yes Light Technical Color Code 850 [CCT of 5000K] Beam Angle (Nom) 180 degree(s) Luminous Flux 1,600 lm Color Designation Daylight Correlated Color Temperature (Nom) 5000 K Luminous Efficacy (rated) (Nom) 168.00 lm/W Color Consistency <5 Color rendering index (CRI) 80 LLMF At End Of Nominal Lifetime (Nom) 70 %	Switching Cycle	50,000				
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Luminous Flux 1,600 lm Color Designation Daylight Correlated Color Temperature (Nom) 5000 K Luminous Efficacy (rated) (Nom) 168.00 lm/W Color Consistency <5 Color rendering index (CRI) 80 LLMF At End Of Nominal Lifetime (Nom) 70 % Operating and Electrical	Color Code	850 [CCT of 5000K]				
Color Designation Daylight Correlated Color Temperature (Nom) 5000 K Luminous Efficacy (rated) (Nom) 168.00 lm/W Color Consistency <5 Color rendering index (CRI) 80 LLMF At End Of Nominal Lifetime (Nom) 70 % Operating and Electrical	Beam Angle (Nom)	180 degree(s)				
Correlated Color Temperature (Nom) 5000 K Luminous Efficacy (rated) (Nom) 168.00 lm/W Color Consistency <5 Color rendering index (CRI) 80 LLMF At End Of Nominal Lifetime (Nom) 70 % Operating and Electrical	Luminous Flux	1,600 lm				
Luminous Efficacy (rated) (Nom) 168.00 lm/W Color Consistency <5 Color rendering index (CRI) 80 LLMF At End Of Nominal Lifetime (Nom) 70 % Operating and Electrical	Color Designation	Daylight				
Color Consistency <5 Color rendering index (CRI) 80 LLMF At End Of Nominal Lifetime (Nom) 70 % Operating and Electrical	Correlated Color Temperature (Nom)	5000 K				
Color rendering index (CRI) 80 LLMF At End Of Nominal Lifetime (Nom) 70 % Operating and Electrical	Luminous Efficacy (rated) (Nom)	168.00 lm/W				
LLMF At End Of Nominal Lifetime (Nom) 70 % Operating and Electrical	Color Consistency	<5				
Operating and Electrical	Color rendering index (CRI)	80				
	LLMF At End Of Nominal Lifetime (Nom) 70 %					
		_				
Line Frequency 50 to 60 Hz	Operating and Electrical					
	Line Frequency	50 to 60 Hz				

nput Frequency	50 to 60 Hz			
Power Consumption	9.5 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	120-277, 347 V			
UL Type	Type A - works on ballast			
Temperature				
Ambient temperature range	-20 °C to 55 °C			
T-Case Maximum (Nom)	55 ℃			
Controls and Dimming				
Dimmable	Yes			
Mechanical and Housing				
Bulb Finish	Frosted			
Bulb Material	Plastic			
Product Length	1,200 mm			

Datasheet, 2023, November 28 data subject to change

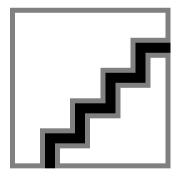
Bulb Shape	T8				
Approval and Application					
Energy Saving Product	Yes				
Approval Marks	RoHS compliance UL certificate DLC				
	compliance				
Energy Consumption kWh/1000 h	- kWh				
Product Data					
Order product name	9.5T8/MAS/48-850/IF16/P/DIM 10/1				

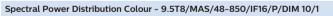
Full product name	9.5T8/MAS/48-850/IF16/P/DIM 10/1				
Order code	929002016104				
Material Nr. (12NC)	929002016104				
Numerator - Quantity Per Pack	1				
EAN/UPC - Product/Case	046677474003				
Numerator - Packs per outer box	10				
EAN/UPC - Case	50046677474008				

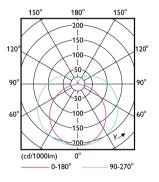
Dimensional drawing

Product	D1	D2	A1	A2	A3
9.5T8/MAS/48-850/IF16/P/DIM	25.7 mm	28 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm
10/1					

Photometric data

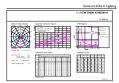






Light Distribution Diagram - 9.5T8/MAS/48-850/IF16/P/DIM 10/1

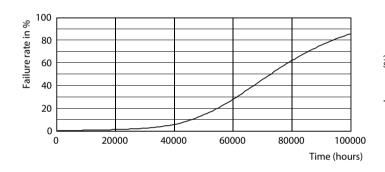
Photometric data

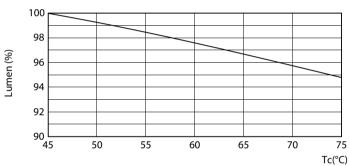


Calculus Photomeroics 4.5 Philips Lighting S.V. Page: 171

General uniform lighting - 9.5T8/MAS/48-850/IF16/P/DIM 10/1

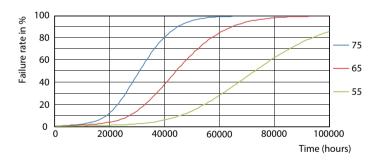
Lifetime





Life Expectancy Diagram - 9.5T8/MAS/48-850/IF16/P/DIM 10/1

Lumen Maintenance Diagram - 9.5T8/MAS/48-850/IF16/P/DIM 10/1

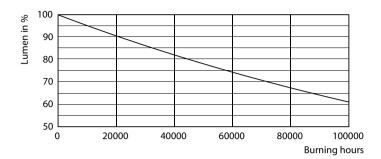


Life Expectancy Diagram - 9.5T8/MAS/48-850/IF16/P/DIM 10/1

Life Expectancy Diagram - 9.5T8/MAS/48-850/IF16/P/DIM 10/1

3

Lifetime



Lumen Maintenance Diagram - 9.5T8/MAS/48-850/IF16/P/DIM 10/1

