



MasterClass InstantFit (UL Type-A) T8

8.9T8/MAS/48-835/IF16/P/DIM 10/1

MasterClass, LEDtube, T8, 47-1/4 inch, 8.9 W, 3500 K, 1600 lm, 70000 hour(s)

MasterClass, LEDtube, T8, 47-1/4 inch, 8.9 W, 3500 K, 1600 lm, 70000 hour(s), 179 lm/W, G13, Plastic

Product data

General Information	
Cap-Base	G13
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDtube
Light Technical	
Color Code	835 [CCT of 3500K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	1,600 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	179 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

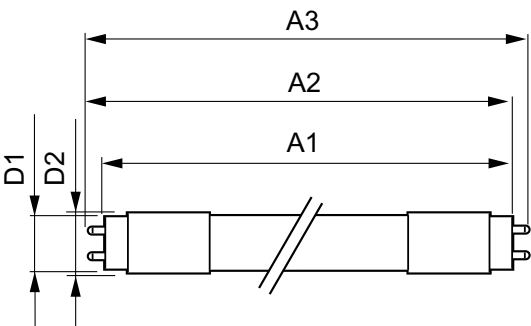
LLMF At End Of Nominal Lifetime (Nom) 70 %	
Operating and Electrical	
Line Frequency	20K to 120K Hz
Input Frequency	20K to 120K Hz
Power Consumption	8.9 W
Lamp Current (Max)	300 mA
Lamp Current (Min)	90 mA
Wattage Equivalent	32 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277,347 V
UL Type	UL Type A

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Temperature	
T-Case Maximum (Nom)	104 °F
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	47-1/4 inch
Bulb Shape	T8
Net Weight (Piece)	0.364 lb
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes

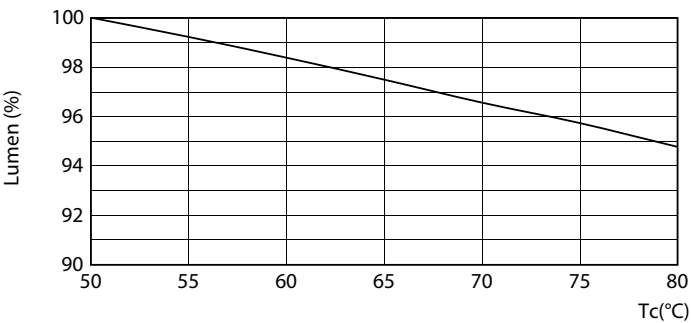
Ambient temperature range	-4 °F to 113 °F
Application Conditions	
can it be used in closed luminaires	Yes
Wireless Technology	Not applicable
Product Data	
Order product name	8.9T8/MAS/48-835/IF16/P/DIM 10/1
Full product name	8.9T8/MAS/48-835/IF16/P/DIM 10/1
Order code	565598
Material Nr. (12NC)	929003025404
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677565596
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677565591

Dimensional drawing

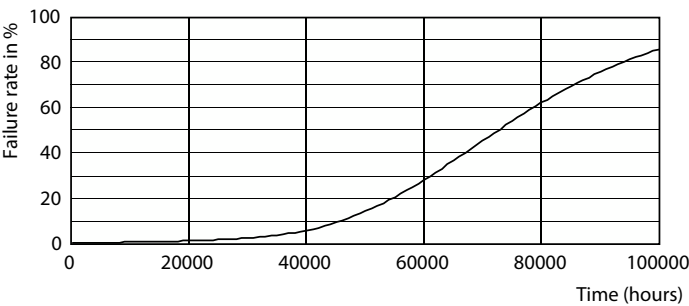


Product	D1	D2	A1	A2	A3
8.9T8/MAS/48-835/IF16/P/DIM 10/1	1-1/16 inch	1-1/16 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Lifetime



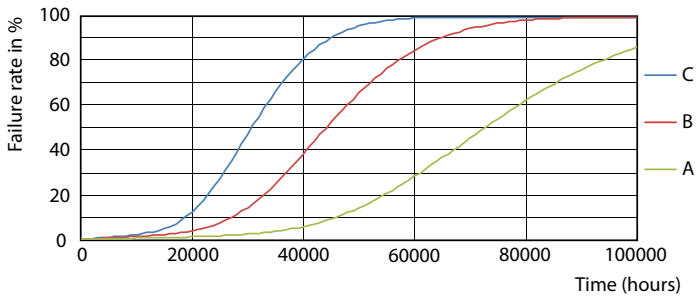
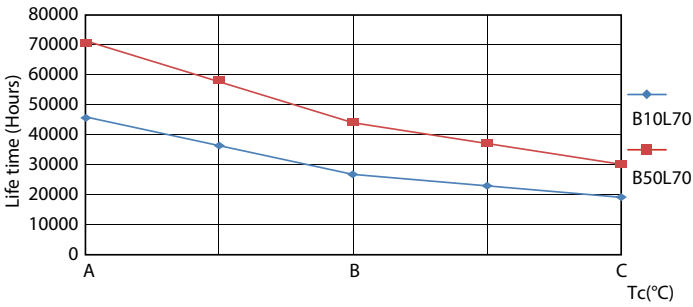
Lumen Maintenance Diagram - 8.9T8/MAS/48-835/IF16/P/DIM 10/1



Life Expectancy Diagram

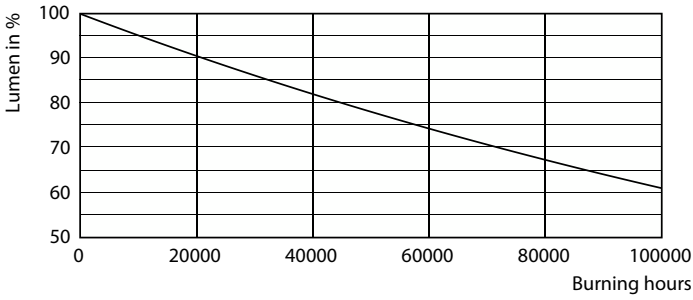
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Lifetime



LEDtube_70K_LifetimeVsTc-LED

LEDtube_70K_FailureRate-LED



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