



MasterClass InstantFit (UL Type-A) T8

8.9T8/MAS/48-840/IF16/P/DIM 10/1

MasterClass, LEDtube, T8, 47-1/4 inch, 8.9 W, 4000 K, 1600 lm, 70000 hour(s)

MasterClass, LEDtube, T8, 47-1/4 inch, 8.9 W, 4000 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	840 [CCT of 4000K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	1,600 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	179 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

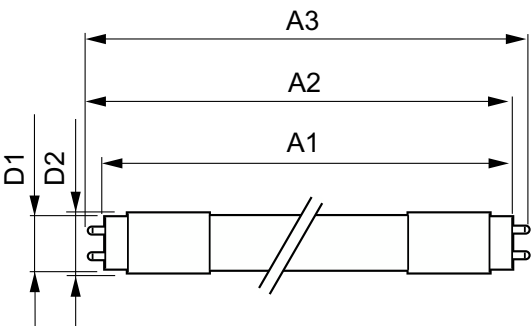
LLMF At End Of Nominal Lifetime (Nom) 70 %	
Operating and Electrical	
Line Frequency	20K to 120K Hz
Input Frequency	20K to 120K Hz
Power Consumption	8.9 W
Lamp Current (Max)	300 mA
Lamp Current (Min)	90 mA
Wattage Equivalent	32 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor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

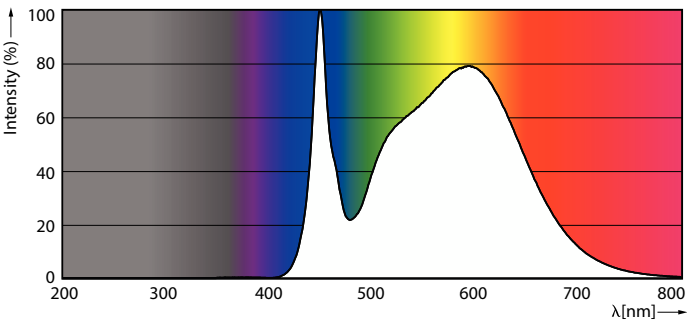
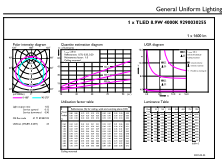
Ambient temperature range	-4 °F to 113 °F
Application Conditions	
can it be used in closed luminaires	Yes
Wireless Technology	Not applicable
Product Data	
Order product name	8.9T8/MAS/48-840/IF16/P/DIM 10/1
Full product name	8.9T8/MAS/48-840/IF16/P/DIM 10/1
Order code	565606
Material Nr. (12NC)	929003025504
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677565602
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677565607

Dimensional drawing



Product	D1	D2	A1	A2	A3
8.9T8/MAS/48-840/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

Photometric data

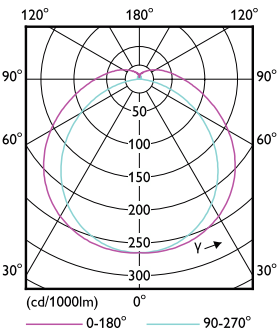


General uniform lighting - 8.9T8/MAS/48-840/IF16/P/DIM 10/1

Spectral Power Distribution Colour - 8.9T8/MAS/48-840/IF16/P/DIM 10/1

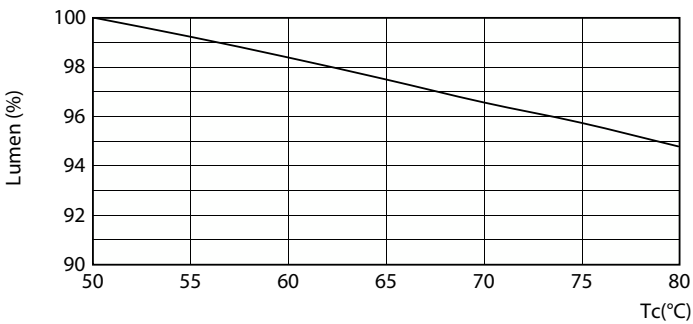
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Photometric data

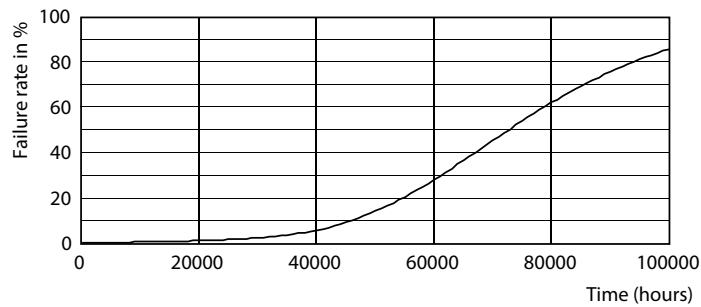


Light Distribution Diagram - 8.9T8/MAS/48-840/IF16/P/DIM 10/1

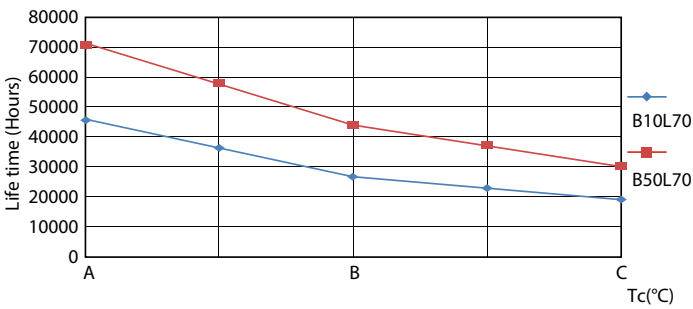
Lifetime



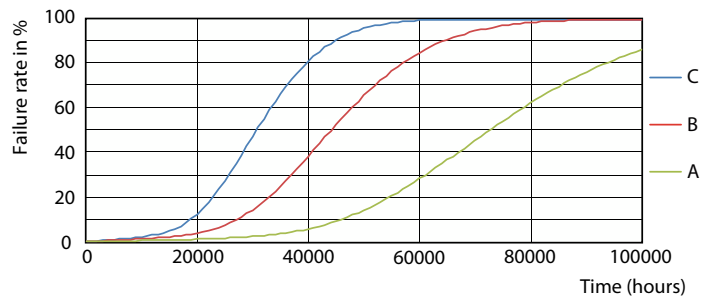
Lumen Maintenance Diagram - 8.9T8/MAS/48-840/IF16/P/DIM 10/1



Life Expectancy Diagram



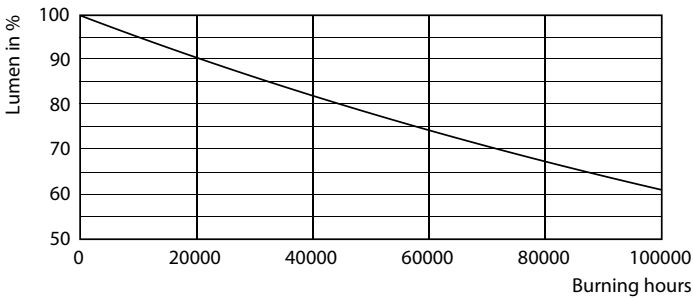
LEDtube_70K_LifetimeVsTc-LED



LEDtube_70K_FailureRate-LED

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Lifetime



Lumen Maintenance Diagram - 8.9T8/MAS/48-840/IF16/P/DIM 10/1

