



MasterClass MainsFit (UL Type-B) T8

9.5T8/MAS/48-850/MF18/G/DIM UE 25/1

MasterClass, LEDtube, T8, 47-1/4 inch, 9.5 W, 5000 K, 1810 lm, 50000 hour(s)

MasterClass, LEDtube, T8, 47-1/4 inch, 9.5 W, 5000 K, 1810 lm, 50000 hour(s), 190 lm/W, G13, Glass

Product data

General Information	
Cap-Base	G13
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDtube
Light Technical	
Color Code	850 [CCT of 5000K]
Beam Angle (Nom)	220 degree(s)
Luminous Flux	1,810 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 K
Luminous Efficacy (rated) (Nom)	190 lm/W
Color Consistency	<5
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	50 to 60 Hz

Power Consumption	9.5 W
Lamp Current (Max)	84 mA
Lamp Current (Min)	39 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 V
UL Type	UL Type B
Temperature	
T-Case Maximum (Nom)	113 °F
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass

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Product Length	47-1/4 inch
Bulb Shape	T8
Net Weight (Piece)	0.441 lb

Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes
Ambient temperature range	-4 to +113 °F

Application Conditions

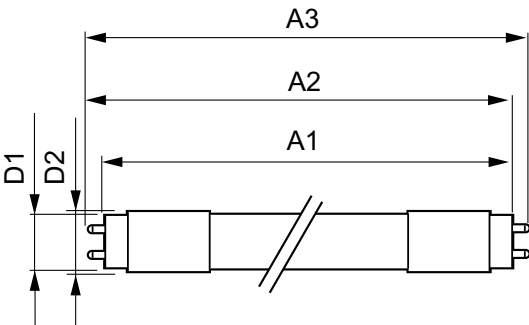
can it be used in closed luminaires	Yes
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Wireless Technology	Not applicable
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Product Data

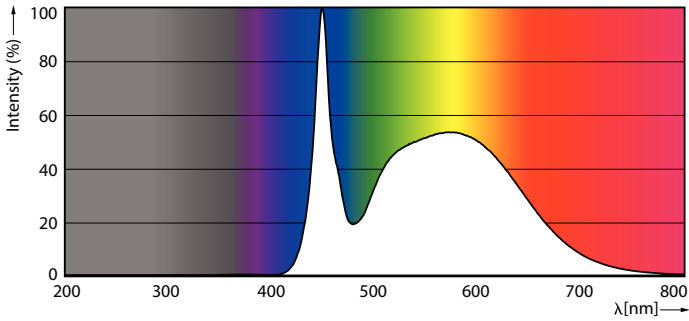
Order product name	9.5T8/MAS/48-850/MF18/G/DIM UE 25/1
Full product name	9.5T8/MAS/48-850/MF18/G/DIM UE 25/1
Order code	588616
Material Nr. (12NC)	929003795004
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677588618
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677588613

Dimensional drawing

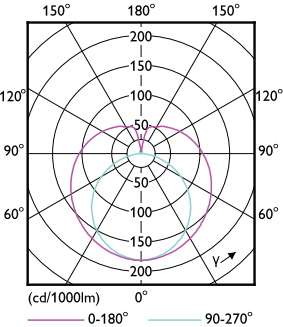


Product	D1	D2	A1	A2	A3
9.5T8/MAS/48-850/MF18/G/DIM UE 25/1	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data



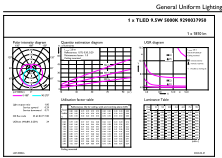
Spectral Power Distribution Colour - 9.5T8/MAS/48-850/MF18/G/DIM UE 25/1



Light Distribution Diagram - 9.5T8/MAS/48-850/MF18/G/DIM UE 25/1

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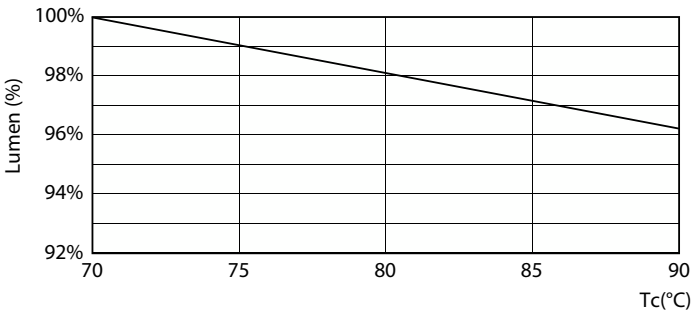
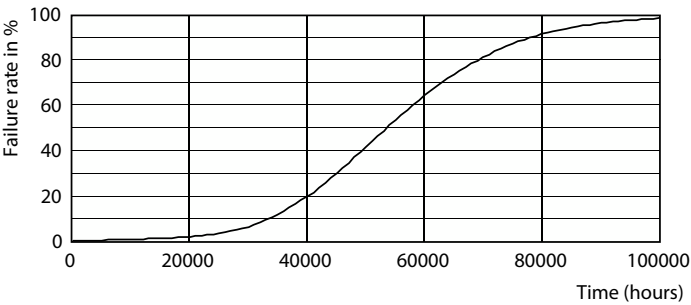
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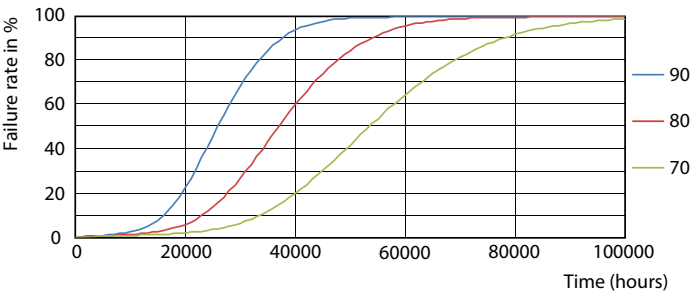
General Uniform Lighting - 9.5T8/MAS/48-850/MF18/G/DIM UE 25/1

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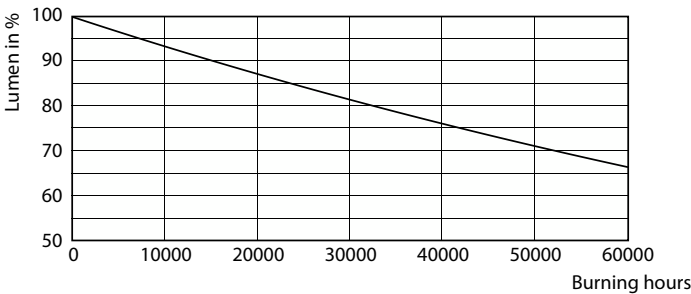
Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - 9.5T8/MAS/48-850/MF18/G/DIM UE 25/1



LEDtube 50K 7090 FailureRate-LED

Lumen Maintenance Diagram - 9.5T8/MAS/48-850/MF18/G/DIM UE 25/1

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Lifetime



LifetimeVsTc

