



# MasterClass MainsFit (UL Type-B) T8

9.5T8/MAS/48-835/MF17/G/DIM UE 25/1

Say hello to Philips MasterClass MainsFit (UL Type B) T8 lamps, Designed to be the perfect retrofit solution for traditional fluorescent lamps, they set the standard for performance, longevity (50,000 to 70,000 hours rate life) and efficacy (up to >190 lm/W). This ballast bypass lamp comes with everything needed built into the lamp, including surge suppression, proven energy savings, long life (up to 70k hours), and patented safety features. All lamps in the MasterClass MainsFit family are double-ended to simplify installation.

## Product data

General Information	
Cap-Base	G13
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Light Technical	
Color Code	835 [CCT of 3500K]
Beam Angle (Nom)	220 degree(s)
Luminous Flux	1,760 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3500 K
Luminous Efficacy (rated) (Nom)	185 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

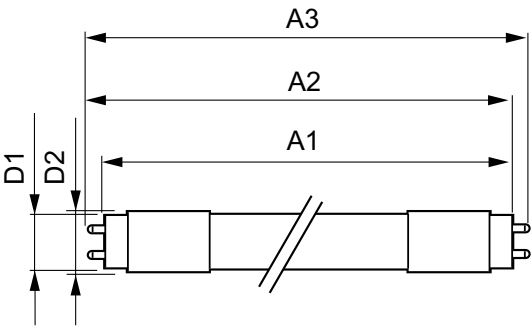
Operating and Electrical	
Input Frequency	50 to 60 Hz
Power Consumption	9.5 W
Lamp Current (Max)	84 mA
Lamp Current (Min)	39 mA
Wattage Equivalent	32 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277 V
UL Type	UL Type B
Temperature	
T-Case Maximum (Nom)	113 °F
Controls and Dimming	
Dimmable	Only with specific dimmers

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Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
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

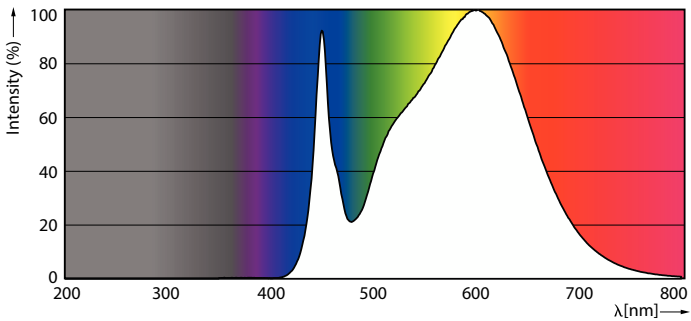
Application Conditions	
can it be used in closed luminaires	Yes
Product Data	
Order product name	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1
Full product name	9.5T8/MAS/48-835/MF17/G/DIM UE 25/1
Order code	590224
Material Nr. (12NC)	929003794804
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677590222
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677590227

Dimensional drawing

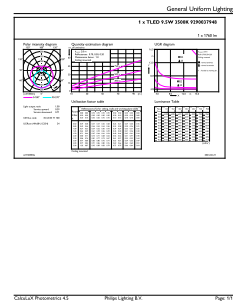


Product	D1	D2	A1	A2	A3
9.5T8/MAS/48-835/MF17/G/DIM UE 25/1	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data



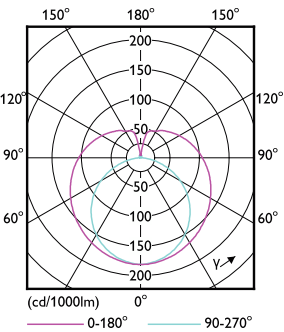
Spectral Power Distribution Colour - 9.5T8/MAS/48-835/MF17/G/DIM UE 25/1



General uniform lighting - 9.5T8/MAS/48-835/MF17/G/DIM UE 25/1

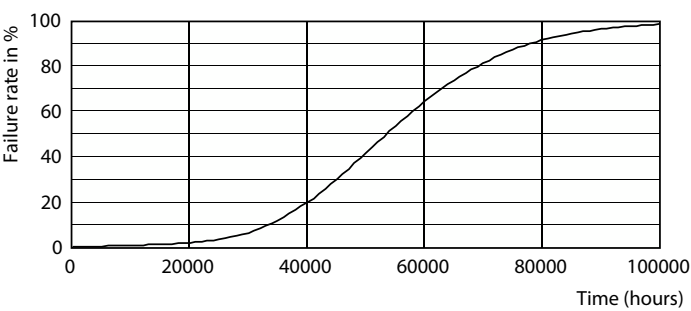
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Photometric data

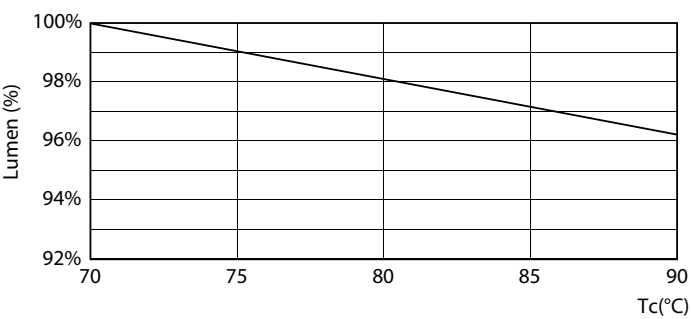


Light Distribution Diagram - 9.5T8/MAS/48-835/MF17/G/DIM UE 25/1

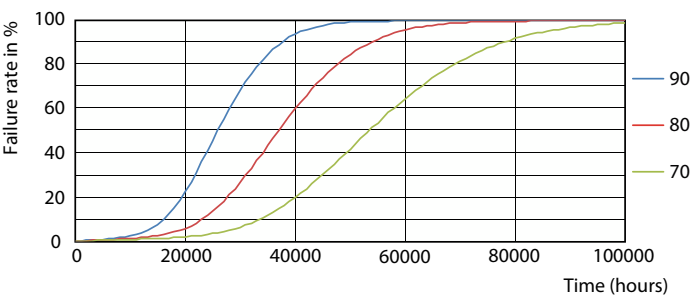
Lifetime



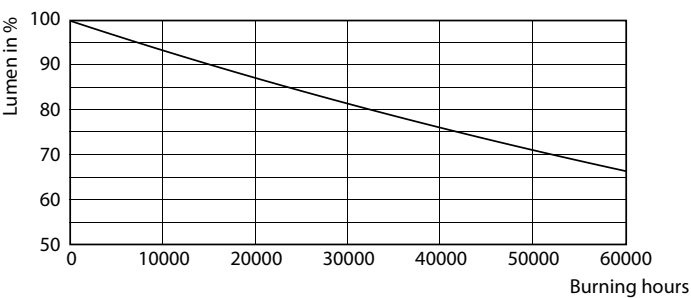
Life Expectancy Diagram



Lumen Maintenance Diagram - 9.5T8/MAS/48-835/MF17/G/DIM UE 25/1



LEDtube 50K 7090 FailureRate-LED



Lumen Maintenance Diagram - 9.5T8/MAS/48-835/MF17/G/DIM UE 25/1

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Lifetime



LifetimeVsTc

