



MasterClass MainsFit (UL Type-B) T8

16.5T8/MAS/48-835/MF24/P/DIM 25/1

MasterClass, LEDtube, T8, 47-1/4 inch, 16.5 W, 3500 K, 2450 lm, 70000 hour(s)

MasterClass, LEDtube, T8, 47-1/4 inch, 16.5 W, 3500 K, 2450 lm, 70000 hour(s), 148.00 lm/W, G13, Plastic

Product data

General Information			
Cap-Base	G13	Input Frequency	50 to 60 Hz
Nominal lifetime	70,000 hour(s)	Power Consumption	16.5 W
Switching Cycle	50,000	Lamp Current (Max)	144 mA
Lighting Technology	LEDtube	Lamp Current (Min)	68 mA
		Wattage Equivalent	32 W
		Starting Time (Nom)	0.5 s
Light Technical		Warm-up time to 60% light	0.5 s
Color Code	835 [CCT of 3500K]	Power Factor (Fraction)	0.9
Beam Angle (Nom)	180 degree(s)	Voltage (Nom)	120-277 V
Luminous Flux	2,450 lm	UL Type	UL Type B
Color Designation	White (WH)		
Correlated Color Temperature (Nom)	3500 K	Temperature	
Luminous Efficacy (rated) (Nom)	148.00 lm/W	T-Case Maximum (Nom)	158 °F
Color Consistency	6SCDM		
Color rendering index (CRI)	80	Controls and Dimming	
LLMF At End Of Nominal Lifetime (Nom)	70 %	Dimmable	Only with specific dimmers
Operating and Electrical			
Line Frequency	50 to 60 Hz	Mechanical and Housing	
		Bulb Finish	Frosted

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Bulb Material	Plastic
Product Length	47-1/4 inch
Bulb Shape	T8
Net Weight (Piece)	0.463 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

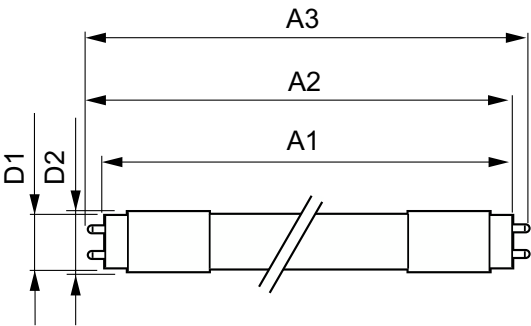
can it be used in closed luminaires	Yes
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Wireless Technology	Not applicable
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Product Data

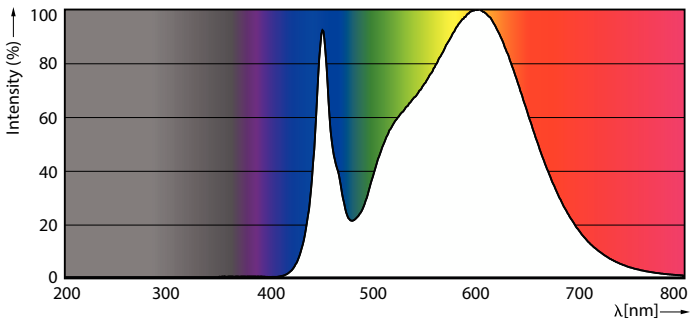
Order product name	16.5T8/MAS/48-835/MF24/P/DIM 25/1
Full product name	16.5T8/MAS/48-835/MF24/P/DIM 25/1
Order code	579516
Material Nr. (12NC)	929003525804
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677579517
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677579512

Dimensional drawing

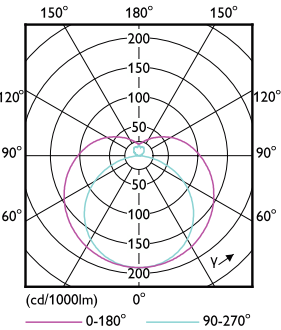


Product	D1	D2	A1	A2	A3
16.5T8/MAS/48-835/MF24/P/DIM 25/1	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch

Photometric data



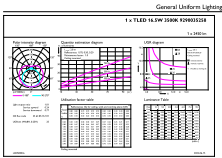
Spectral Power Distribution Colour - 16.5T8/MAS/48-835/MF24/P/DIM 25/1



Light Distribution Diagram - 16.5T8/MAS/48-835/MF24/P/DIM 25/1

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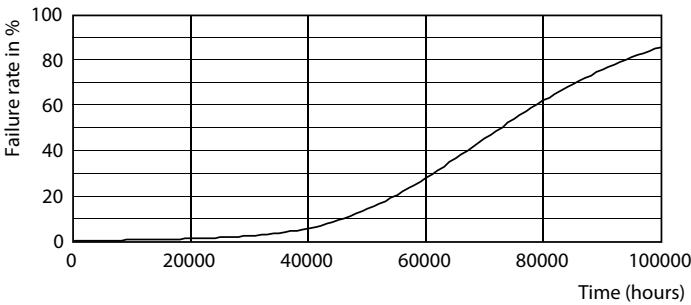
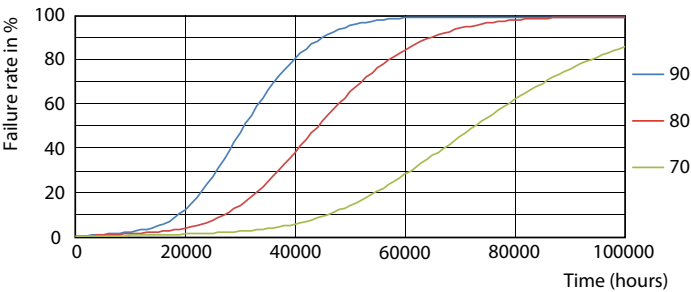
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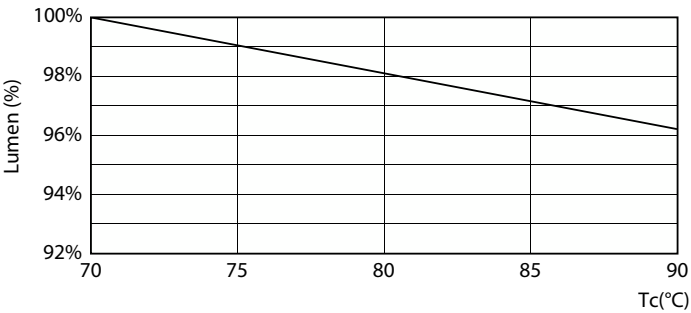
General Uniform Lighting - 16.5T8/MAS/48-835/MF24/P/DIM 25/1

General uniform lighting - 16.5T8/MAS/48-835/MF24/P/DIM 25/1

Lifetime

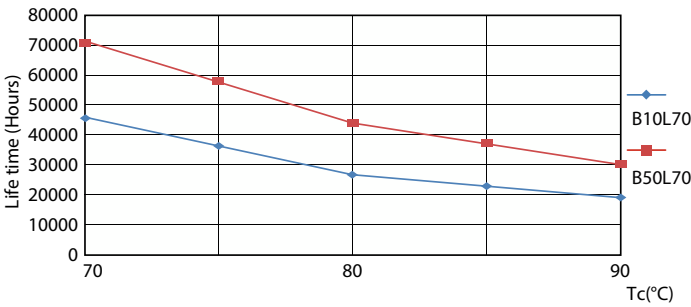


FailureRate



Lumen Maintenance Diagram - 16.5T8/MAS/48-835/MF24/P/DIM 25/1

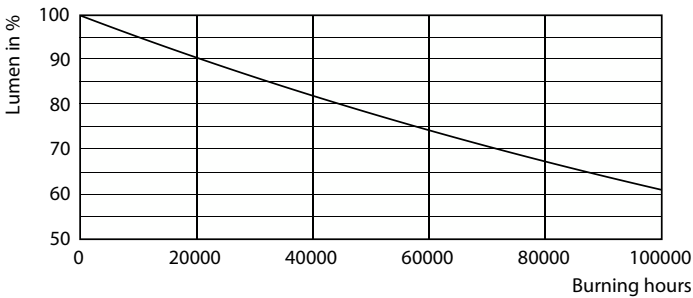
Life Expectancy Diagram



LifetimeVsTc

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Lifetime



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