



MasterClass MainsFit (UL Type-B) T8

10.5T8/MAS/48-840/MF16/P/DIM 25/1

MasterClass, LED, T8, 10.5 W, 4000 K, 1600 lm, 70000 hour(s)

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

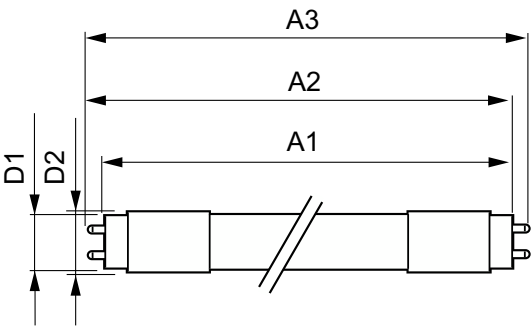
General Information		LLMF At End Of Nominal Lifetime (Nom) 70 %	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Operating and Electrical	
Nominal lifetime	70,000 hour(s)	Line Frequency	50 to 60 Hz
Switching Cycle	50,000	Input Frequency	50 to 60 Hz
Lighting Technology	LED	Power Consumption	10.5 W
Light Technical		Lamp Current (Max)	90 mA
Color Code	840 [CCT of 4000K]	Lamp Current (Min)	42 mA
Beam Angle (Nom)	180 degree(s)	Wattage Equivalent	32 W
Luminous Flux	1,600 lm	Starting Time (Nom)	0.5 s
Color Designation	Cool White (CW)	Warm-up time to 60% light	0.5 s
Correlated Color Temperature (Nom)	4000 K	Power Factor (Fraction)	0.9
Luminous Efficacy (rated) (Nom)	152.00 lm/W	Voltage (Nom)	120-277 V
Color Consistency	6SCDM	UL Type	UL Type B
Color rendering index (CRI)	80		

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Temperature	
T-Case Maximum (Nom)	70 °C
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.210 kg
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance

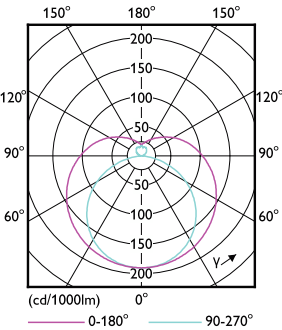
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C
Application Conditions	
can it be used in closed luminaires	Yes
Product Data	
Order product name	10.5T8/MAS/48-840/MF16/P/DIM 25/1
Full product name	10.5T8/MAS/48-840/MF16/P/DIM 25/1
Order code	579458
Material Nr. (12NC)	929003525204
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677579456
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677579451

Dimensional drawing

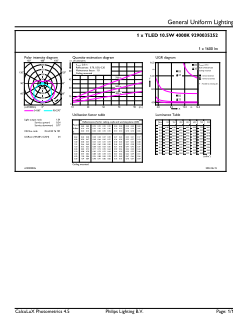


Product	D1	D2	A1	A2	A3
10.5T8/MAS/48-840/ MF16/P/DIM 25/1	25.7 mm	28 mm	1,198.2 mm	1,205.3 mm	1,212.4 mm

Photometric data



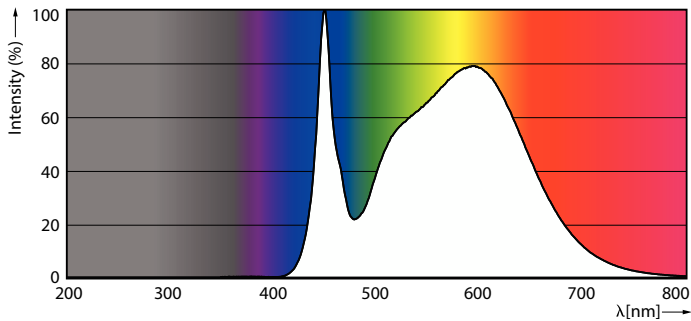
Light Distribution Diagram - 10.5T8/MAS/48-840/MF16/P/DIM 25/1



General uniform lighting - 10.5T8/MAS/48-840/MF16/P/DIM 25/1

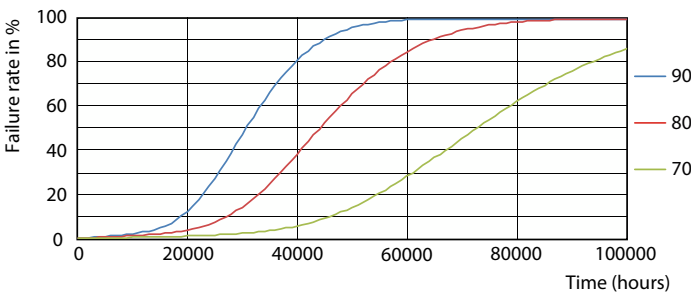
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Photometric data

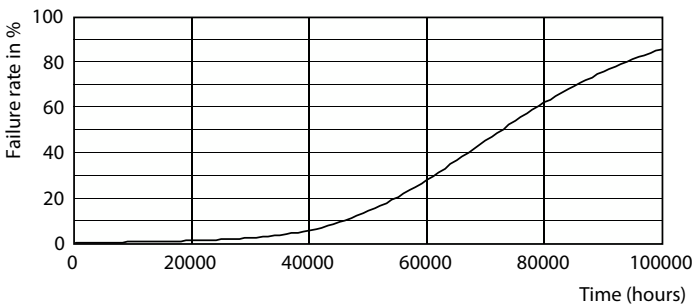


Spectral Power Distribution Colour - 10.5T8/MAS/48-840/MF16/P/DIM 25/1

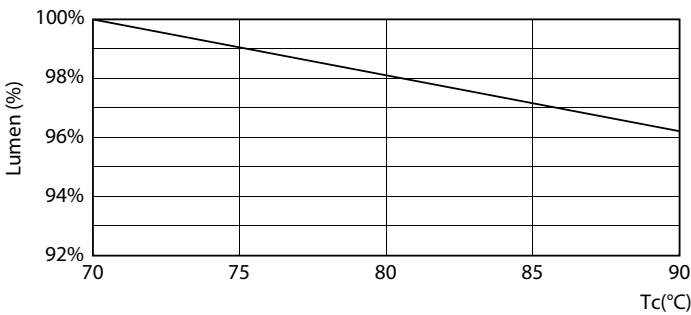
Lifetime



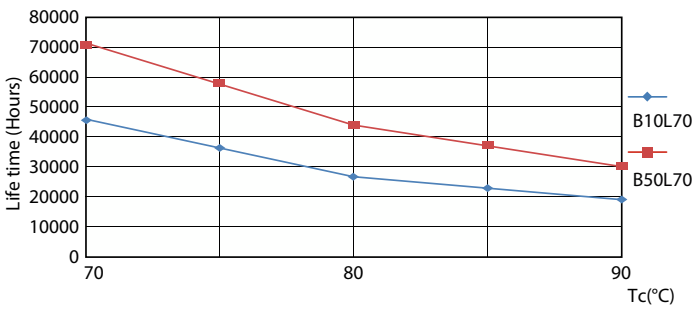
FailureRate



Life Expectancy Diagram



Lumen Maintenance Diagram - 10.5T8/MAS/48-840/MF16/P/DIM 25/1



LifetimeVsTc

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Lifetime



Lumen Maintenance Diagram - 10.5T8/MAS/48-840/MF16/P/DIM 25/1

