



MasterClass MainsFit (UL Type-B) T8

11.5T8/MAS/48-850/MF21/G/DIM UE 25/1

MasterClass, LEDtube, T8, 1200 mm, 11.5 W, 5000 K, 2100 lm, 50000 hour(s)

The MasterClass MainsFit (UL Type B) T8 lamps are designed to be the perfect retrofit solution to move from traditional fluorescent lamps to energy saving LEDs. This ballast bypass lamp has everything needed built into the lamp with proven energy savings, long life (70k hours), surge suppression and industry leading safety features. All lamps in the MasterClass MainsFit family are double-ended to help simplify the installation. In addition, all lamps meet the Philips standards for light quality so that end users will be in a comfortable environment regardless of the MasterClass MainsFit lamp type.

Product data

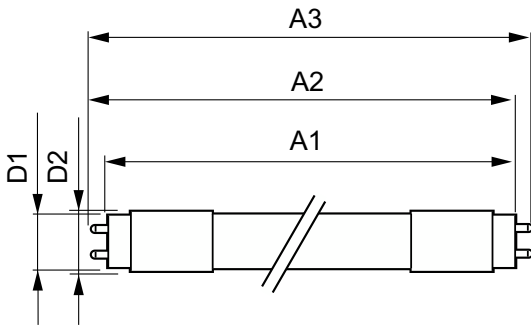
General Information		Color Consistency	
Cap-Base	G13	Color rendering index (CRI)	80
Nominal lifetime	50,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	70 %
Switching Cycle	50,000	Operating and Electrical	
Lighting Technology	LEDtube	Input Frequency	50 to 60 Hz
Light Technical		Power Consumption	11.5 W
Color Code	850 [CCT of 5000K]	Lamp Current (Max)	130 mA
Beam Angle (Nom)	220 degree(s)	Lamp Current (Min)	48 mA
Luminous Flux	2,100 lm	Wattage Equivalent	32 W
Color Designation	Daylight	Starting Time (Nom)	0.5 s
Correlated Color Temperature (Nom)	5000 K	Warm-up time to 60% light	0.5 s
Luminous Efficacy (rated) (Nom)	182 lm/W	Power Factor (Fraction)	0.9

MasterClass MainsFit (UL Type-B) T8

Voltage (Nom)	120-277 V
UL Type	UL Type B
Temperature	
T-Case Maximum (Nom)	50 °C
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.200 kg
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance
EU RoHS compliant	Yes
Ambient temperature range	-20 to +45 °C
Post-consumer recycled plastic material ratio	0 %

Application Conditions	
can it be used in closed luminaires	Yes
Wireless Technology	Not applicable
Sustainability Data	
Product non-virgin material ratio	0 %
Product Data	
Order product name	11.5T8/MAS/48-850/MF21/G/DIM UE 25/1
Full product name	11.5T8/MAS/48-850/MF21/G/DIM UE 25/1
Order code	929004283004
Material Nr. (12NC)	929004283004
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677607470
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677607475

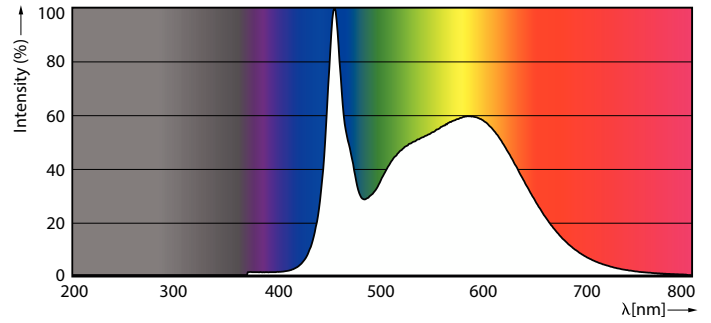
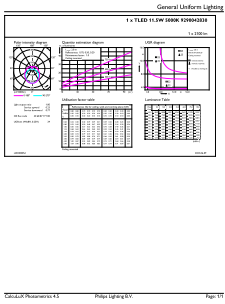
Dimensional drawing



Product	D1	D2	A1	A2	A3
11.5T8/MAS/48-850/MF21/G/DIM UE 25/1	25.7 mm	27.9 mm	1,199.4 mm	1,206.5 mm	1,213.6 mm

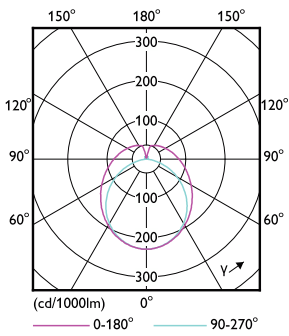
MasterClass MainsFit (UL Type-B) T8

Photometric data



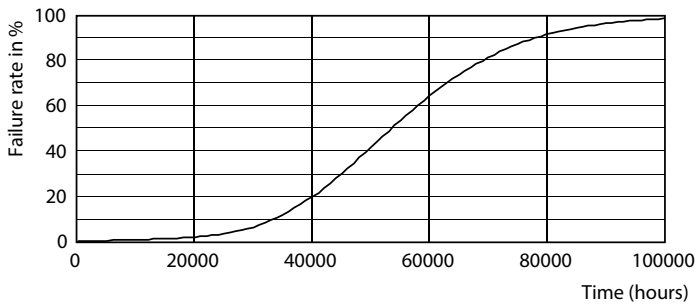
General uniform lighting - 11.5T8/MAS/48-850/MF21/G/DIM UE 25/1

Spectral Power Distribution Colour - 11.5T8/MAS/48-850/MF21/G/DIM UE 25/1

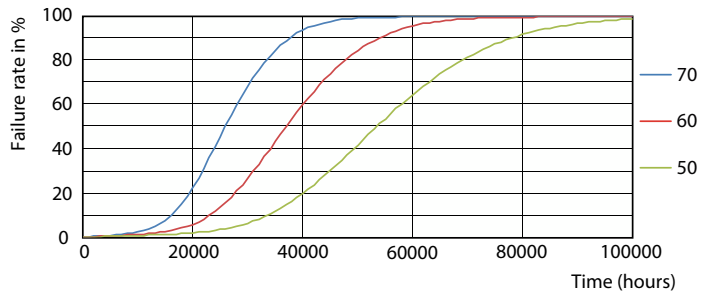


Light Distribution Diagram - 11.5T8/MAS/48-850/MF21/G/DIM UE 25/1

Lifetime



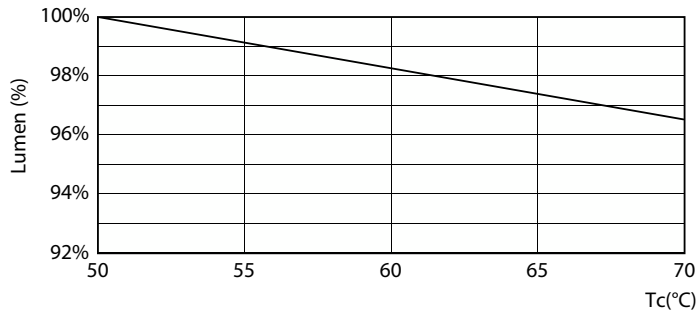
Life Expectancy Diagram



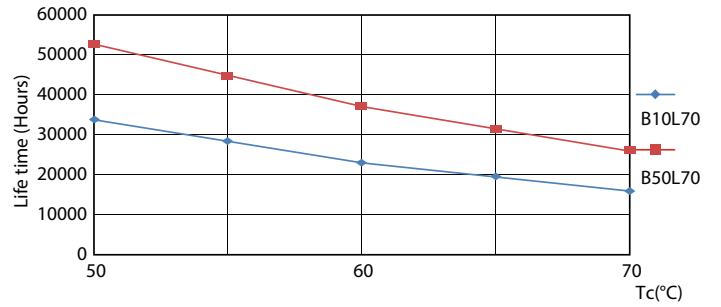
FailureRate

MasterClass MainsFit (UL Type-B) T8

Lifetime



Lumen Maintenance Diagram - 11.5T8/MAS/48-850/MF21/G/DIM UE 25/1



LifetimeVsTc



Lumen Maintenance Diagram - 11.5T8/MAS/48-850/MF21/G/DIM UE 25/1

