



T8

14.5T8/MAS/48-850/MF21/P 10/1

Introducing Philips MainsFit (UL Type B) MasterClass T8 LED tubes with industry leading reliability, shatter-prevention and lifetime. The UL Type B (Ballast Bypass) LED tubes are designed with easy installation and long-term maintenance simplicity in mind. Upgrade your lighting to MasterClass and realize 70,000 hour LED lifetime backed by a 7-year, full replacement limited warranty.

Product data

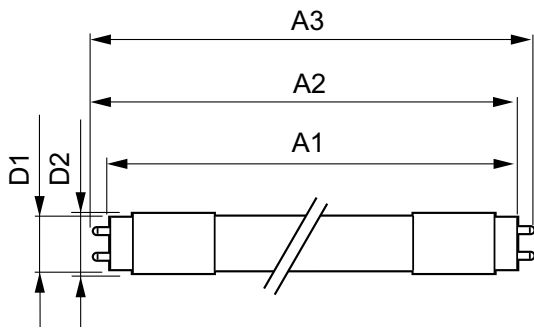
General information		Lamp Current (Max)	
Base	G13 [Medium Bi-Pin Fluorescent]	Lamp Current (Min)	125 mA
EU RoHS compliant	Yes	Wattage Equivalent	54 mA
Nominal Lifetime (Nom)	70000 h	Starting Time (Nom)	32 W
Switching Cycle	50000X	Warm Up Time to 60% Light (Nom)	0.5 s
Technical Type	14.5-32W	UL Type	0.11 s
		Power Factor (Nom)	Type B - bypass the ballast
		Voltage (Nom)	0.9
			120-277 V
Light technical		Temperature	
Color Code	850 [CCT of 5000K]	T-Ambient (Max)	45 °C
Beam Angle (Nom)	180 °	T-Ambient (Min)	-20 °C
Initial lumen (Nom)	2100 lm	T-Storage (Max)	65 °C
Luminous Flux (Rated) (Nom)	2100 lm	T-Storage (Min)	-40 °C
Color Designation	Daylight	T-Case Maximum (Nom)	70 °C
Correlated Color Temperature (Nom)	5000 K		
Luminous Efficacy (rated) (Nom)	144.00 lm/W	Controls and dimming	
Color Consistency	<5	Dimmable	No
Color Rendering Index (Nom)	80		
LLMF At End Of Nominal Lifetime (Nom)	70 %	Mechanical and housing	
		Bulb Finish	Frosted
		Bulb Material	Plastic
Operating and electrical			
Input Frequency	50 to 60 Hz		
Power (Rated) (Nom)	14.5 W		

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Product Length	48 in
Bulb Shape	Tube, double-ended
Approval and application	
Energy Saving Product	Yes
Approbation Marks	RoHS compliance UL certificate DLC compliance
Energy Consumption kWh/1000 h	- kWh
Product data	
Order product name	14.5T8/MAS/48-850/MF21/P 10/1

EAN/UPC - Product	046677557416
Order code	557413
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002325704
Net Weight (Piece)	0.120 kg
Model Number	9290023257

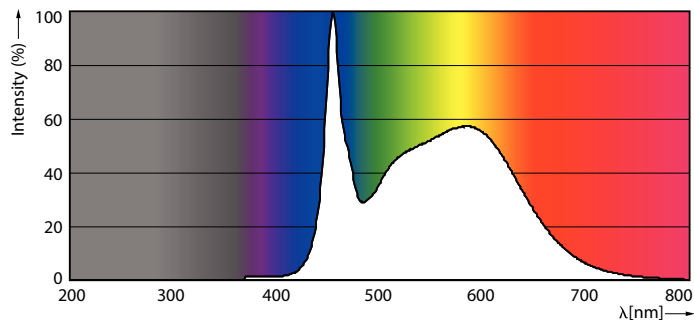
Dimensional drawing



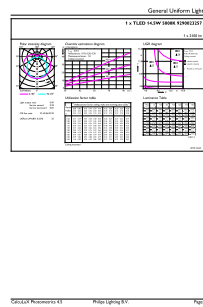
14.5T8/MAS/48-850/MF21/P 10/1

Product	D1	D2	A1	A2	A3
14.5T8/MAS/48-850/MF21/P 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Photometric data

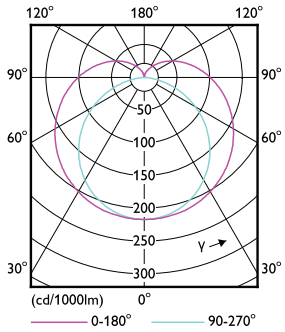


LEDtube_G13_850-POC



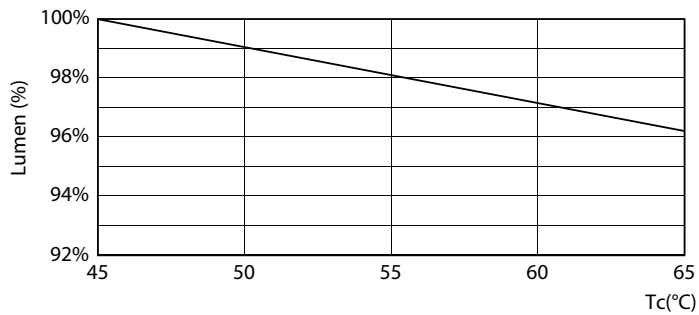
LEDtube_14.5W_G13_850-GUL

Photometric data

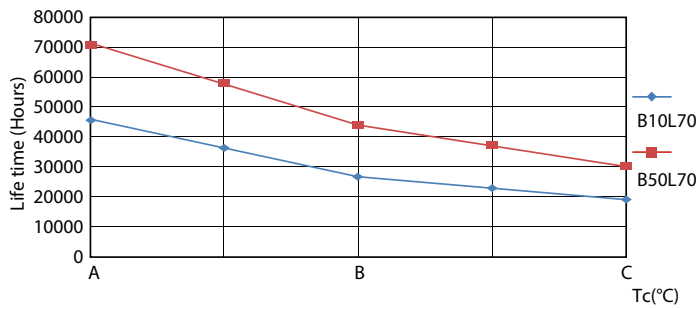


LEDtube_G13_1-LDD

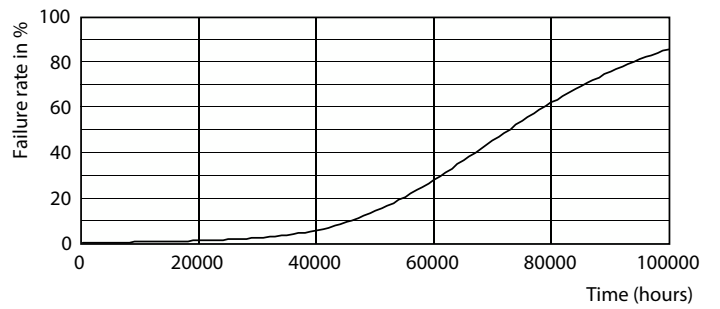
Lifetime



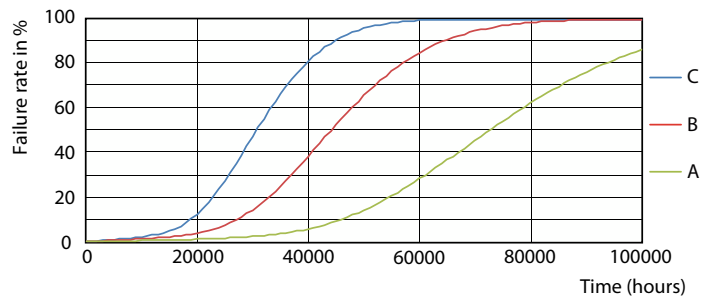
LEDtube_70K_1_LumenVsTc-LMP



LEDtube_70K_LifetimeVsTc-LED



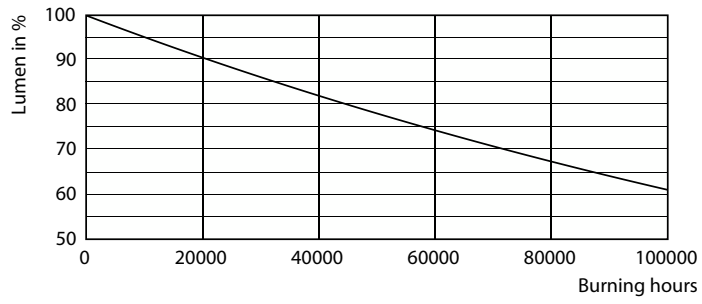
LEDtube_70K-LED



LEDtube_70K_FailureRate-LED

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Lifetime



LEDtube_70K-LMP

