



T8

14.5T8/MAS/48-840/MF21/P 10/1

Philips MainsFit (UL Type B) MasterClass T8 LED tubes with industry leading reliability, shatter-prevention and lifetime. The UL Type B 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

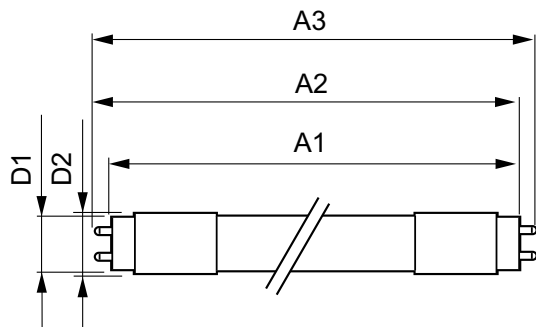
General information		Lamp Current (Min)	
Base	G13 [Medium Bi-Pin Fluorescent]		54 mA
EU RoHS compliant	Yes	Wattage Equivalent	32 W
Nominal Lifetime (Nom)	70000 h	Starting Time (Nom)	0.5 s
Switching Cycle	50000	Warm Up Time to 60% Light (Nom)	0.5 s
Tier	MasterClass	UL Type	Type B - bypass the ballast
		Power Factor (Nom)	0.9
		Voltage (Nom)	120-277 V
Light technical		Temperature	
Color Code	841 [CCT of 4100K (841)]	T-Ambient (Max)	113 °F
Beam Angle (Nom)	180 °	T-Ambient (Min)	-4 °F
Initial lumen (Nom)	2100 lm	T-Storage (Range)	-40 °C to 65 °C
Color Designation	Cool White (CW)	T-Storage (Max)	149 °F
Correlated Color Temperature (Nom)	4000 K	T-Storage (Min)	-40 °F
Luminous Efficacy (rated) (Nom)	144.00 lm/W	T-Case Maximum (Nom)	158 °F
Color Consistency	<6		
Color Rendering Index (Nom)	80	Controls and dimming	
LLMF At End Of Nominal Lifetime (Nom)	70 %	Dimmable	Limited
Operating and electrical		Mechanical and housing	
Input Frequency	50 to 60 Hz	Bulb Finish	Frosted
Power (Rated) (Nom)	14.5 W	Bulb Material	Plastic
Lamp Current (Max)	125 mA		

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Product Length	47-1/4 in
Bulb Shape	Tube, double-ended
Approval and application	
Energy Saving Product	Yes
Approbation Marks	RoHS compliance UL certificate DLC compliance
Application conditions	
Ambient temperature range	-20 °C to 45 °C

Product data	
Order product name	14.5T8/MAS/48-840/MF21/P 10/1
EAN/UPC - Product	046677575533
Order code	575530
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002325634
Net Weight (Piece)	0.265 lb
Model Number	9290023256

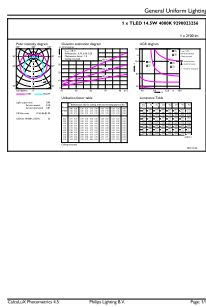
Dimensional drawing



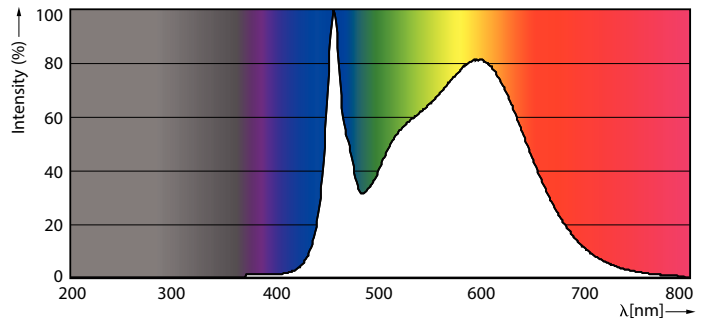
14.5T8/MAS/48-840/MF21/P 10/1

Product	D1	D2	A1	A2	A3
14.5T8/MAS/48-840/MF21/P 10/1	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in

Photometric data

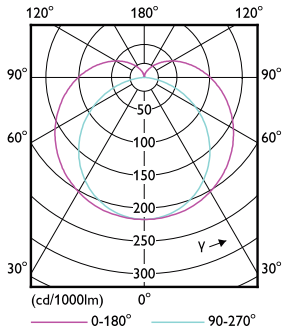


LEDtube_14.5W_G13_840-GUL



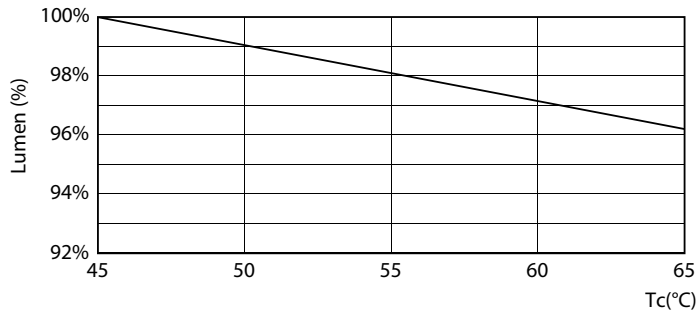
LEDtube_G13_840-POC

Photometric data

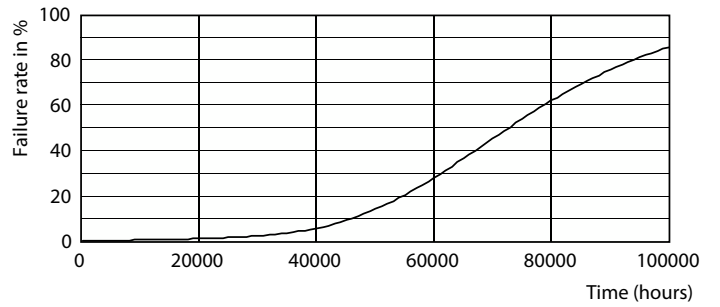


LEDtube_G13_1-LDD

Lifetime



LEDtube_70K_1_LumenVsTc-LMP



Life Expectancy Diagram



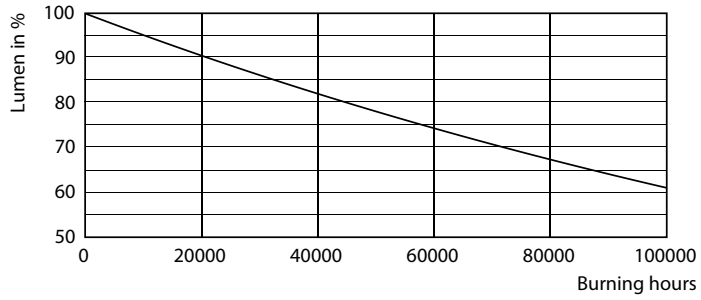
LEDtube_70K_LifetimeVsTc-LED



LEDtube_70K_FailureRate-LED

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Lifetime



Lumen Maintenance Diagram

