



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		Starting Time (Nom)	
Base	G13 [Medium Bi-Pin Fluorescent]		0.5 s
EU RoHS compliant	Yes	Warm Up Time to 60% Light (Nom)	0.5 s
Nominal Lifetime (Nom)	70000 h	UL Type	Type B - bypass the ballast
Switching Cycle	50000X	Power Factor (Nom)	0.9
		Voltage (Nom)	120-277 V
Light Technical		Temperature	
Color Code	841 [CCT of 4100K (841)]	T-Ambient (Max)	45 °C
Beam Angle (Nom)	180 °	T-Ambient (Min)	-20 °C
Initial lumen (Nom)	2100 lm	T-Storage (Max)	65 °C
Color Designation	Cool White (CW)	T-Storage (Min)	-40 °C
Correlated Color Temperature (Nom)	4000 K	T-Case Maximum (Nom)	70 °C
Luminous Efficacy (rated) (Nom)	144.00 lm/W		
Color Consistency	<6	Controls and Dimming	
Color Rendering Index (Nom)	80	Dimmable	Limited
LLMF At End Of Nominal Lifetime (Nom)	70 %		
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	Product Length	48 in
Lamp Current (Min)	54 mA	Bulb Shape	Tube, double-ended

T8

Approval and Application

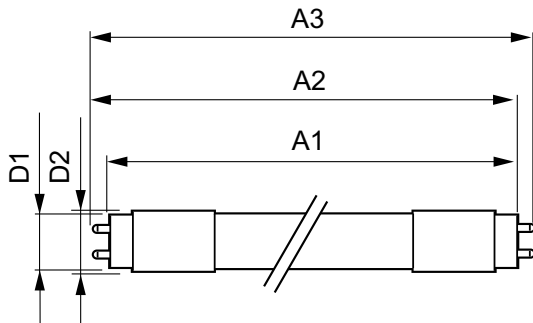
Energy Saving Product	Yes
Approbation Marks	RoHS compliance UL certificate DLC compliance

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)	0.120 kg
Model Number	9290023256

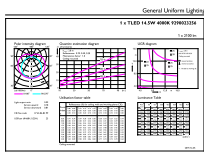
Dimensional drawing



TLED T8 120-277V 14.5-32W 2100lm 4000K

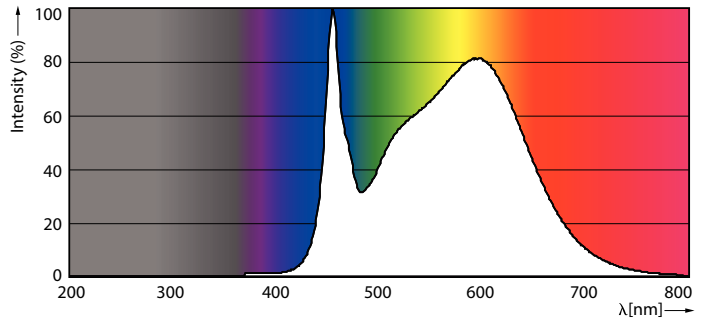
Product	D1	D2	A1	A2	A3
14.5T8/MAS/48-840/MF21/P 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Photometric data

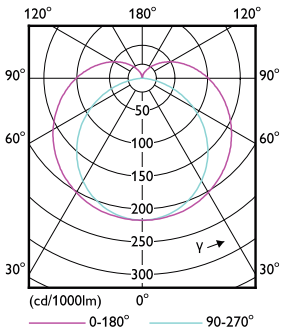


General Ambient Lighting 1 x TLED 14.5W 840K 2100lm Page 10

LEDtube_14.5W_G13_840-GUL

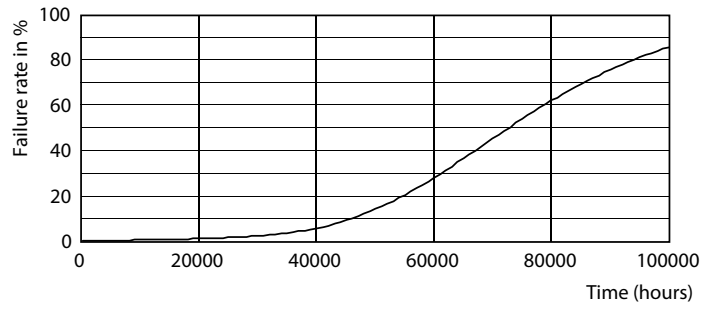
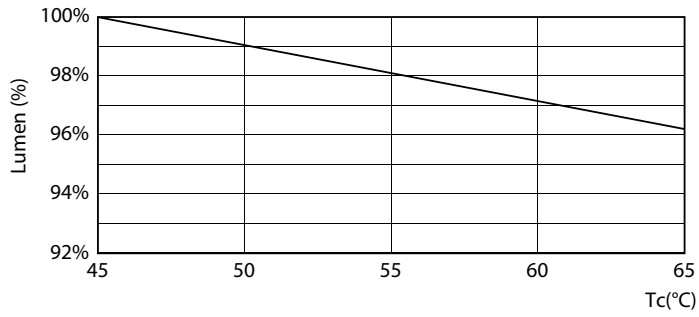


LEDtube_G13_840-POC



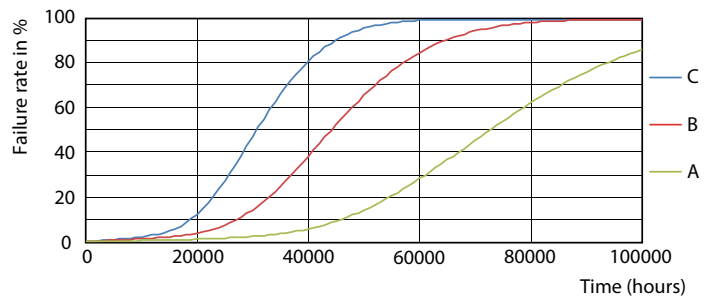
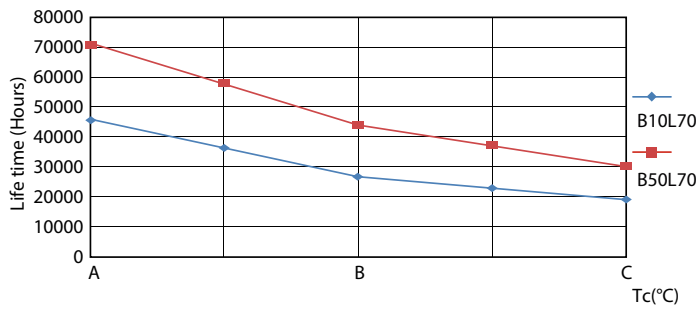
LEDtube_G13_1-LDD

Lifetime



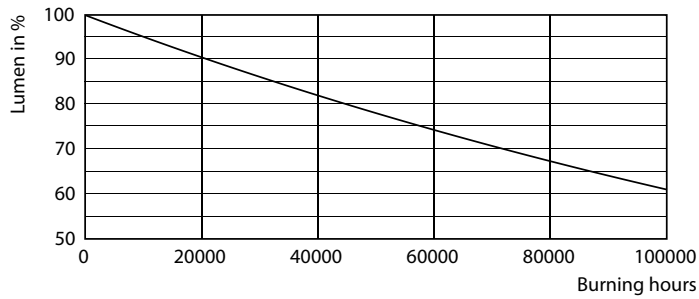
LEDtube_70K_1_LumenVsTc-LMP

LEDtube_70K-LED



LEDtube_70K_LifetimeVsTc-LED

LEDtube_70K_FailureRate-LED



LEDtube_70K-LMP

