



T8

16.9T8/MAS/48-850/MF25/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	850 [CCT of 5000K]	T-Ambient (Max)	113 °F
Beam Angle (Nom)	180 °	T-Ambient (Min)	-4 °F
Initial lumen (Nom)	2500 lm	T-Storage (Max)	149 °F
Color Designation	Daylight	T-Storage (Min)	-40 °F
Correlated Color Temperature (Nom)	5000 K	T-Case Maximum (Nom)	158 °F
Luminous Efficacy (rated) (Nom)	147.00 lm/W		
Color Consistency	<5	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)	16.9 W	Bulb Material	Plastic
Lamp Current (Max)	150 mA	Product Length	48 in
Lamp Current (Min)	65 mA	Bulb Shape	Tube, double-ended

Approval and application

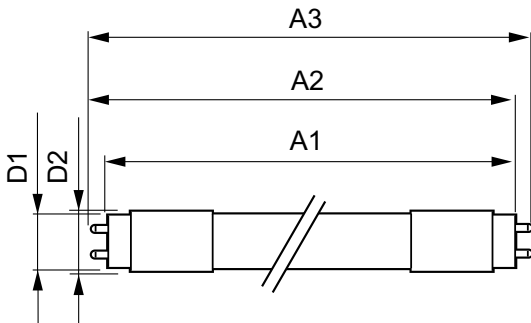
Energy Saving Product	Yes
Approbation Marks	RoHS compliance UL certificate DLC compliance

Product data

Order product name	16.9T8/MAS/48-850/MF25/P 10/1
EAN/UPC - Product	046677575571

Order code	575571
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002442534
Copy Net Weight (Piece)	0.265 lb
Model Number	9290024425

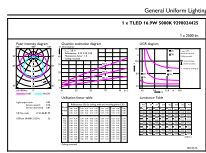
Dimensional drawing



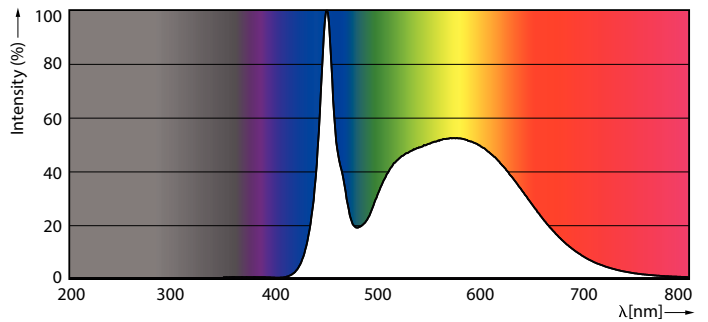
16.9T8/MAS/48-850/MF25/P 10/1

Product	D1	D2	A1	A2	A3
16.9T8/MAS/48-850/MF25/P	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in
10/1					

Photometric data

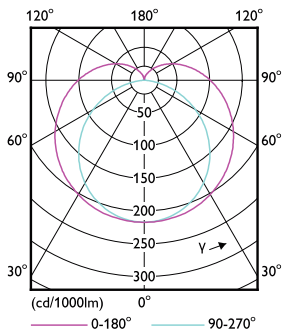


General Illumination 11 Photometry 2.1 Page 10



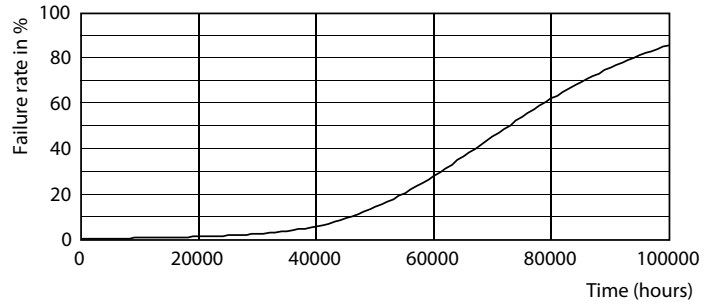
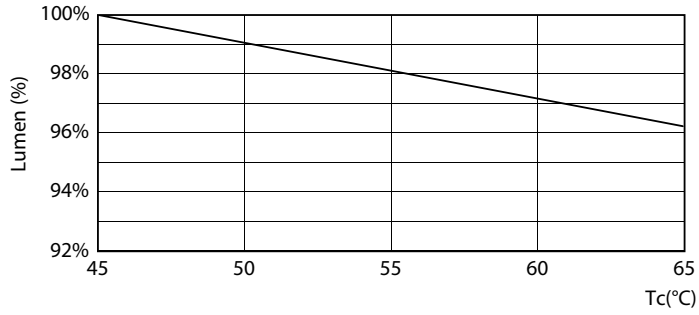
LEDtube 16,9W G13 2500lm 850

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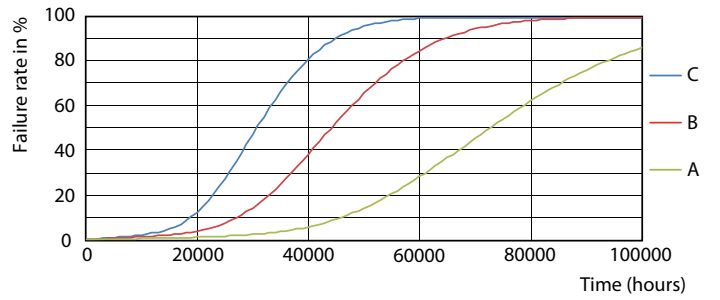
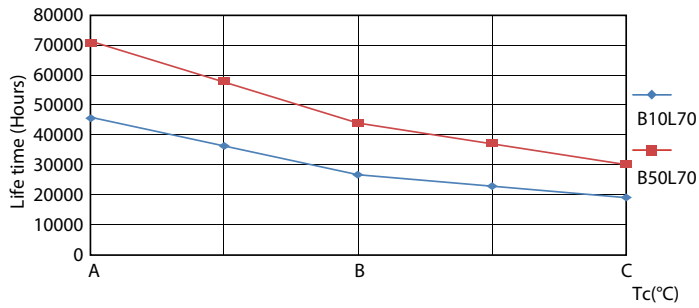
LEDtube 16,9W G13

Lifetime



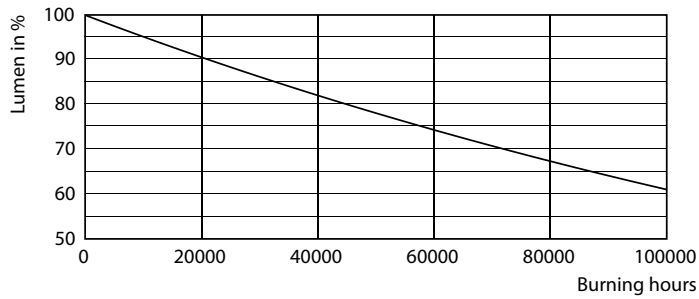
LEDtube 16,9W 70K LumenVsTc

Life Expectancy Diagram



LEDtube_70K_LifetimeVsTc-LED

LEDtube_70K_FailureRate-LED



Lumen Maintenance Diagram

