



T8

16.9T8/MAS/48-835/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	835 [CCT of 3500K]	T-Ambient (Max)	45 °C
Beam Angle (Nom)	180 °	T-Ambient (Min)	-20 °C
Initial lumen (Nom)	2400 lm	T-Storage (Max)	65 °C
Color Designation	White (WH)	T-Storage (Min)	-40 °C
Correlated Color Temperature (Nom)	3500 K	T-Case Maximum (Nom)	70 °C
Luminous Efficacy (rated) (Nom)	142.00 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)	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

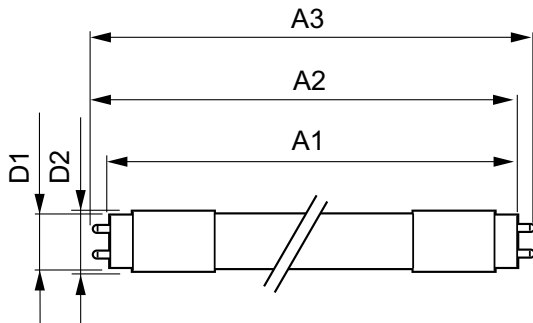
Energy Saving Product	Yes
Approbation Marks	RoHS compliance UL certificate DLC compliance

Product Data

Order product name	16.9T8/MAS/48-835/MF25/P 10/1
EAN/UPC - Product	046677575564

Order code	575563
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002442434
Net Weight (Piece)	0.120 kg
Model Number	9290024424

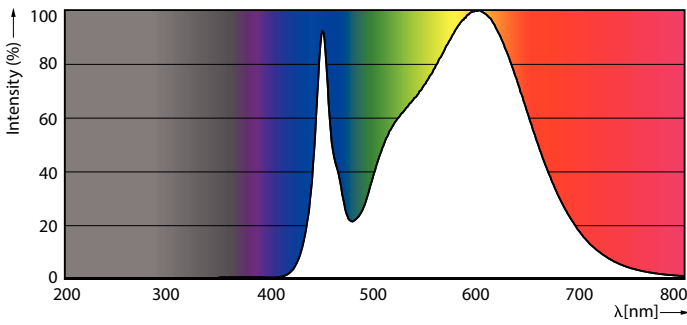
Dimensional drawing



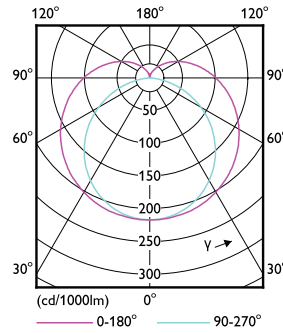
TLED T8 120-277V 16.9-32W 2500lm 3500K

Product	D1	D2	A1	A2	A3
16.9T8/MAS/48-835/MF25/P 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

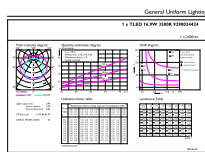
Photometric data



LEDtube 16,9W G13 2400lm 835

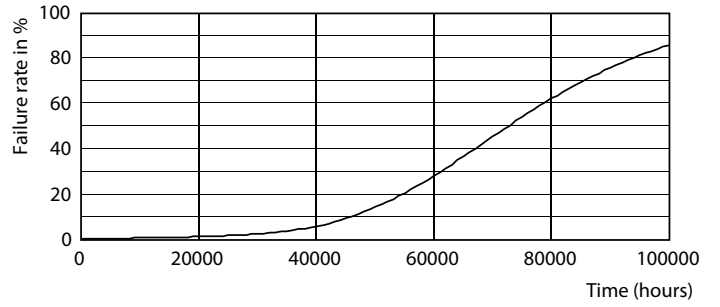
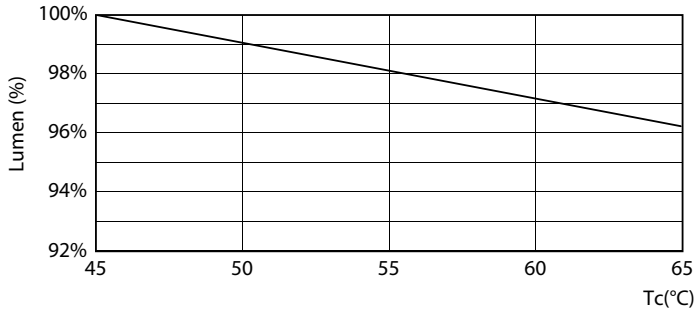


LEDtube 16,9W G13



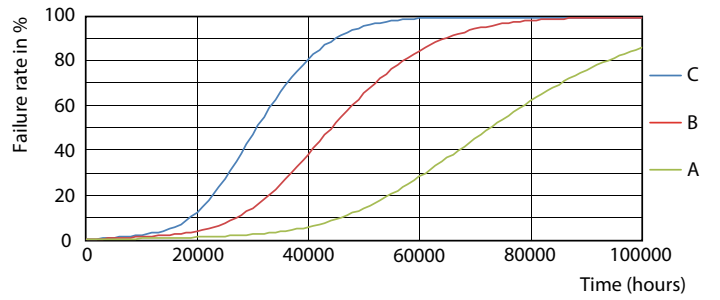
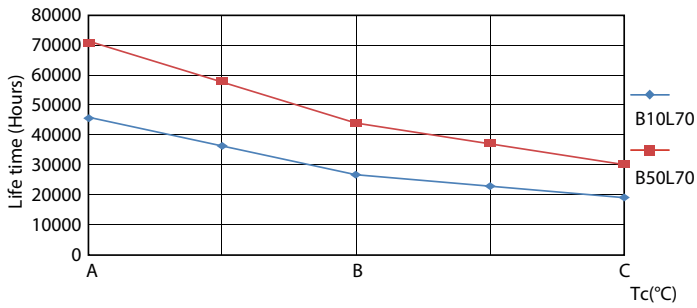
LEDtube 16,9W G13 2400lm 835

Lifetime



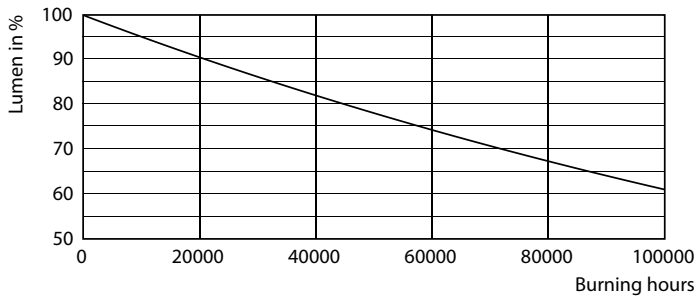
LEDtube 16,9W 70K LumenVsTc

LEDtube_70K-LED



LEDtube_70K_LifetimeVsTc-LED

LEDtube_70K_FailureRate-LED



LEDtube_70K-LMP

