



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				
Base	G13 [Medium Bi-Pin Fluorescent]			
EU RoHS compliant	Yes			
Nominal Lifetime (Nom)	70000 h			
Switching Cycle	50000X			
Light Technical				
Color Code	850 [CCT of 5000K]			
Beam Angle (Nom)	180 °			
Initial lumen (Nom)	2500 lm			
Color Designation	Daylight			
Correlated Color Temperature (Nom)	5000 K			
Luminous Efficacy (rated) (Nom)	147.00 lm/W			
Color Consistency	<5			
Color Rendering Index (Nom)	80			
LLMF At End Of Nominal Lifetime (Non	n) 70 %			
Operating and Electrical				
Input Frequency	50 to 60 Hz			
Power (Rated) (Nom)	16.9 W			
Lamp Current (Max)	150 mA			
Lamp Current (Min)	65 mA			

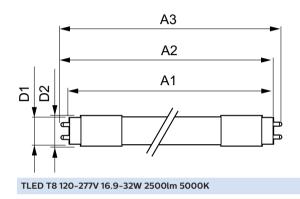
Starting Time (Nom)	0.5 s		
Warm Up Time to 60% Light (Nom)	0.5 s		
UL Type	Type B - bypass the ballast		
Power Factor (Nom)	0.9		
Voltage (Nom)	120-277 V		
Temperature			
T-Ambient (Max)	45 °C		
T-Ambient (Min)	-20 °C		
T-Storage (Max)	65 ℃		
T-Storage (Min)	-40 °C		
T-Case Maximum (Nom)	70 ℃		
Controls and Dimming			
Dimmable	Limited		
Mechanical and Housing			
Bulb Finish	Frosted		
Bulb Material	Plastic		
Product Length	48 in		
Bulb Shape	Tube, double-ended		

Datasheet, 2021, August 3 data subject to change

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

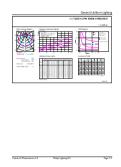
Order code	575571
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002442534
Net Weight (Piece)	0.120 kg
Model Number	9290024425

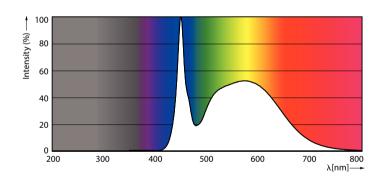
Dimensional drawing



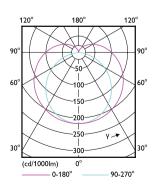
Product	D1	D2	A1	A2	А3
16.9T8/MAS/48-850/MF25/P	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
10/1					

Photometric data





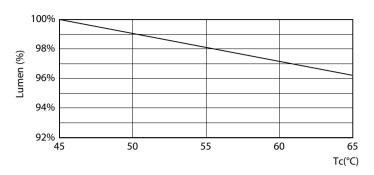
LEDtube 16,9W G13 2500lm 850

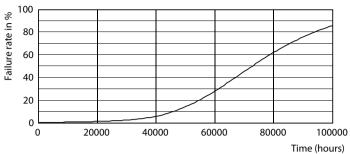


LEDtube 16,9W G13 2500lm 850

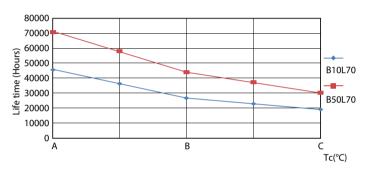
LEDtube 16,9W G13

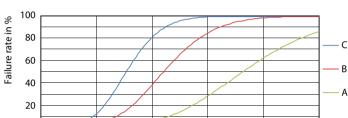
Lifetime





LEDtube 16,9W 70K LumenVsTc





60000

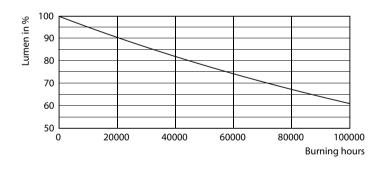
40000

80000

100000

Time (hours)

LEDtube_70K_LifetimeVsTc-LED



LEDtube_70K_FailureRate-LED

20000

LEDtube_70K-LED

0

3

LEDtube_70K-LMP



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