



# **T8**

## 16.9T8/MAS/48-835/MF25/P 10/1

Our TLEDs are available in InstantFit (Type A / Type C) or MainsFit (Ballast bypass / Type B) versions. The InstantFit lamps work on a broad variety of ballasts and LED drivers. Only InstantFit has over 15,000 lamp & ballast combinations delivering even light output, energy savings and a long lifetime. Our MainsFit products feature a double-ended design, simplifying installation while a proprietary safety circuit minimizes a shock risk. Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

#### **Product data**

General Information					
Lighting Technology	LED				
Switching Cycle	50,000				
Nominal lifetime	70,000 hour(s)				
Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Light Technical					
Color Code	835 [CCT of 3500K]				
Beam Angle (Nom)	180 degree(s)				
Luminous Flux	2,400 lumen				
Color Designation	White (WH)				
Correlated Color Temperature (Nom)	3500 K				
Luminous Efficacy (rated) (Nom)	142.00 lm/W				
Color Consistency	<6				
Color rendering index (CRI)	80				
LLMF At End Of Nominal Lifetime (Nom) 70 %					
Operating and Electrical	-				
Line Frequency	50 to 60 Hz				
Input Frequency	50 to 60 Hz				

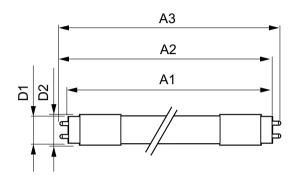
Power Consumption	16.9 W			
Wattage Equivalent	32 W			
Starting Time (Nom)	0.5 s			
Warm-up time to 60% light	0.5 s			
Power Factor (Fraction)	0.9			
Voltage (Nom)	120-277 V			
Temperature				
Ambient temperature range	-20 °C to 45 °C			
T-Case Maximum (Nom)	70 ℃			
Controls and Dimming				
Dimmable	Limited			
Mechanical and Housing				
Bulb Finish	Frosted			
Bulb Material	Plastic			
Product Length	1,200 mm			
Bulb Shape	Tube, double-ended			

Datasheet, 2023, July 5 data subject to change

Approval and Application				
Energy Saving Product	Yes			
Approval Marks	RoHS compliance UL certificate DLC			
	compliance			
EU RoHS compliant	Yes			
Product Data				
Product Data				
Order product name	16.9T8/MAS/48-835/MF25/P 10/1			

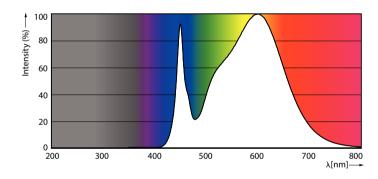
Order code	929002442434			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	10			
Material number (12NC)	929002442434			
Full product name	16.9T8/MAS/48-835/MF25/P 10/1			
EAN/UPC - Case	50046677575569			

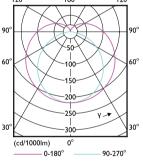
### Dimensional drawing



Product	D1	D2	A1	A2	А3
16.9T8/MAS/48-835/MF25/P 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

#### Photometric data





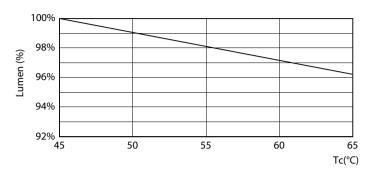
Spectral Power Distribution Colour - 16.9T8/MAS/48-835/MF25/P 10/1

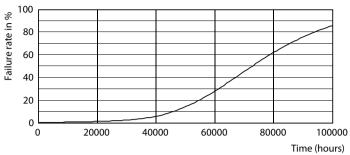
Light Distribution Diagram - 16.9T8/MAS/48-835/MF25/P 10/1



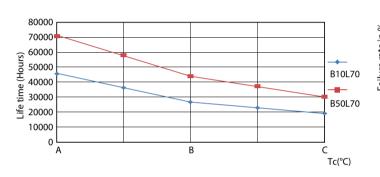
General uniform lighting - 16.9T8/MAS/48-835/MF25/P 10/1

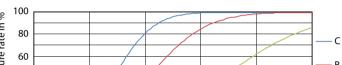
#### Lifetime

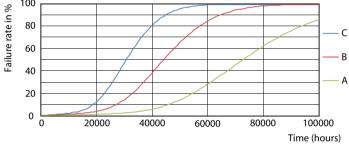




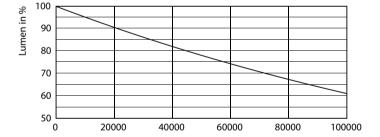
#### Lumen Maintenance Diagram - 16.9T8/MAS/48-835/MF25/P 10/1







#### Life Expectancy Diagram - 16.9T8/MAS/48-835/MF25/P 10/1



Life Expectancy Diagram - 16.9T8/MAS/48-835/MF25/P 10/1

Life Expectancy Diagram - 16.9T8/MAS/48-835/MF25/P 10/1

Lumen Maintenance Diagram - 16.9T8/MAS/48-835/MF25/P 10/1

**Burning hours** 



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