#### PHILIPS

# **PHILIPS** Lighting

## **T8**

### 10.5T8/MAS/48-840/MF16/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**

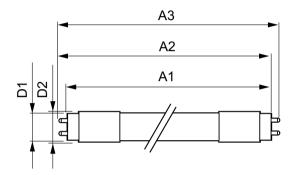
General Information				
Lighting Technology	LED			
Switching Cycle	50,000			
Nominal lifetime	70,000 hour(s)			
Cap-Base	G13 [Medium Bi-Pin Fluorescent]			
Light Technical				
Color Code	840 [CCT of 4000K]			
Beam Angle (Nom)	180 degree(s)			
Luminous Flux	1,650 lumen			
Color Designation	Cool White (CW)			
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	157.00 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	10.5 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 ℃ to 45 ℃				
T-Case Maximum (Nom)	70 °C				
Controls and Dimming					
Dimmable	Limited				
Mechanical and Housing					
Bulb Finish	Frosted				
Bulb Material	Plastic				
Product Length	1,200 mm				
Bulb Shape	Tube, double-ended				

Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC
	compliance
EU RoHS compliant	Yes
Product Data	
Order product name	10.5T8/MAS/48-840/MF16/P 10/1

Order code	929002325234			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	10			
Material number (12NC)	929002325234			
Full product name	10.5T8/MAS/48-840/MF16/P 10/1			
EAN/UPC - Case	50046677575491			

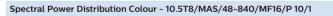
#### Dimensional drawing



Product	D1	D2	A1	A2	A3
10.5T8/MAS/48-840/MF16/P 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

#### 100 1 Intensity (%) -80 60 40 20 0 200 300 400 500 600 700 800 λ[nm]—►

General uniform lighting - 10.5T8/MAS/48-840/MF16/P 10/1



120° 180° 120° 90° 90 -50 ر | 100-60° 60° 150 -200 250 V-1 30° 30° -300 (cd/1000lm) 0° - 0-180° 90-270°

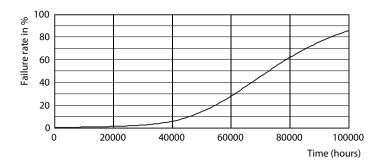
Light Distribution Diagram - 10.5T8/MAS/48-840/MF16/P 10/1

Т8

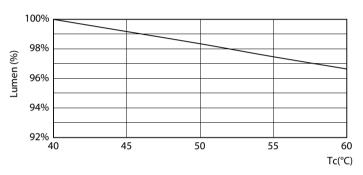
Photometric data

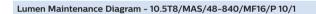
Datasheet, 2023, July 5

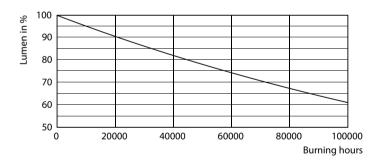
#### Lifetime



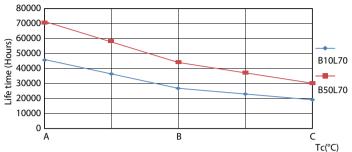
Life Expectancy Diagram - 10.5T8/MAS/48-840/MF16/P 10/1



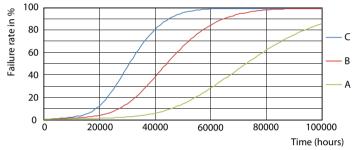












Life Expectancy Diagram - 10.5T8/MAS/48-840/MF16/P 10/1



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www.lighting.philips.com 2023, July 5 - data subject to change