### PHILIPS

# **PHILIPS** Lighting

# **T8**

## 9.5T8/MAS/48-840/IF16/P 25/1

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**

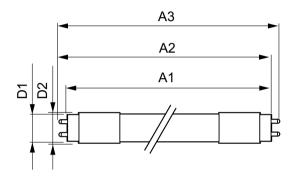
General Information					
Cap-Base	G13 [Medium Bi-Pin Fluorescent]				
Nominal lifetime	70,000 hour(s)				
Switching Cycle	50,000				
Lighting Technology	LED				
EU RoHS compliant	Yes				
Light Technical					
Color Code	840 [CCT of 4000K]				
Beam Angle (Nom)	180 degree(s)				
Luminous Flux	1,500 lm				
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	9.5 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, 347 V			
UL Type	Type A - works on ballast Type C - works with			
	dedicated LED driver Type A+C - works with			
	both ballasts and the LED driver			
Temperature				
Ambient temperature range	-4 °F to 131 °F			
T-Case Maximum (Nom)	131 °F			
Controls and Dimming				
Dimmable	No			
Mechanical and Housing				
Product Length	47-1/4 inch			

Bulb Shape	Т8			
Approval and Application				
Energy Saving Product	Yes			
Approval Marks	RoHS compliance UL certificate DLC			
	compliance			
Energy Consumption kWh/1000 h	- kWh			
Product Data				
Order product name	9.5T8/MAS/48-840/IF16/P 25/1			

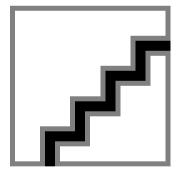
Full product name	9.5T8/MAS/48-840/IF16/P 25/1			
Order code	540807			
Material Nr. (12NC)	929002016034			
Numerator - Quantity Per Pack	1			
EAN/UPC - Product/Case	046677540807			
Numerator - Packs per outer box	25			
EAN/UPC - Case	50046677540802			

#### Dimensional drawing

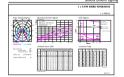


Product	D1	D2	A1	A2	A3
9.5T8/MAS/48-840/	1-1/16 inch	1-1/8 inch	47-3/16 inch	47-1/2 inch	47-3/4 inch
IF16/P 25/1					

#### Photometric data

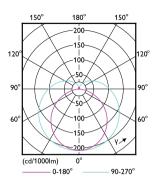


Spectral Power Distribution Colour - 9.5T8/MAS/48-840/IF16/P 25/1



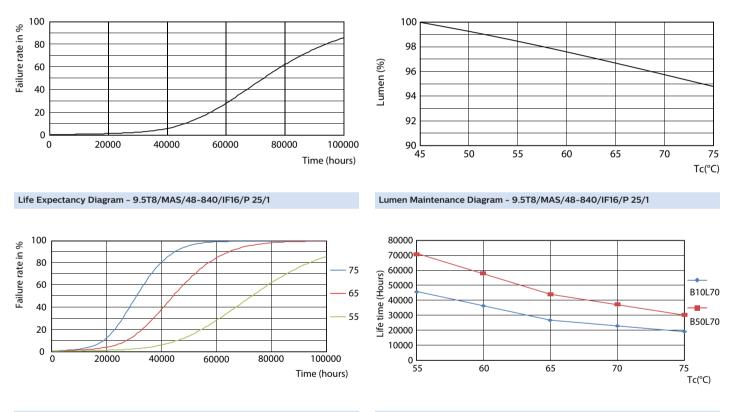
General uniform lighting - 9.5T8/MAS/48-840/IF16/P 25/1

#### Photometric data



Light Distribution Diagram - 9.5T8/MAS/48-840/IF16/P 25/1

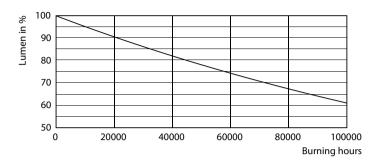
#### Lifetime



Life Expectancy Diagram - 9.5T8/MAS/48-840/IF16/P 25/1







Lumen Maintenance Diagram - 9.5T8/MAS/48-840/IF16/P 25/1



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