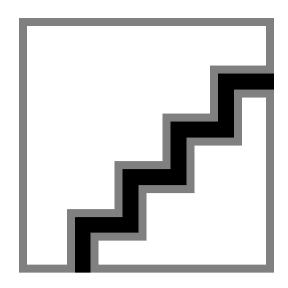
# **PHILIPS** Lighting



## **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**

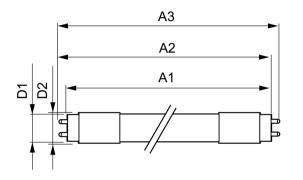
General Information	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
Nominal lifetime	70,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	180 degree(s)
Luminous Flux	1,500 lm
Color Designation	Cool White (CW)
Correlated 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	n) 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	-20 °C to 55 °C
T-Case Maximum (Nom)	55 ℃
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm

Bulb Shape	T8
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

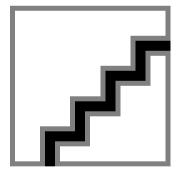
Full product name	9.5T8/MAS/48-840/IF16/P 25/1
Order code	929002016034
Material Nr. (12NC)	929002016034
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677540807
Numerator - Packs per outer box	25
EAN/UPC - Case	50046677540802

#### Dimensional drawing



Product	D1	D2	A1	A2	A3
9.5T8/MAS/48-840/IF16/P 25/1	25.7 mm	28 mm	1,198.1 mm	1,205.2 mm	1,212.3 mm

#### Photometric data

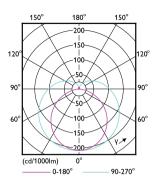


Spectral Power Distribution Colour - 9.5T8/MAS/48-840/IF16/P 25/1

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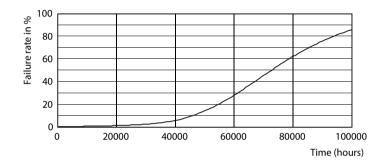
General uniform lighting - 9.5T8/MAS/48-840/IF16/P 25/1

#### Photometric data

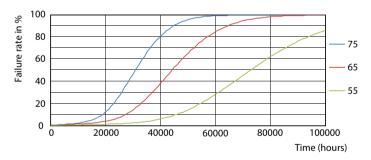


Light Distribution Diagram - 9.5T8/MAS/48-840/IF16/P 25/1

#### Lifetime

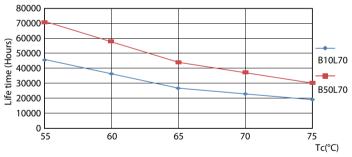


Life Expectancy Diagram - 9.5T8/MAS/48-840/IF16/P 25/1



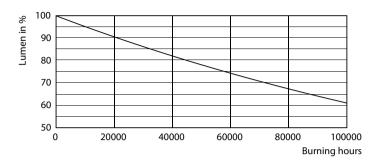
Life Expectancy Diagram - 9.5T8/MAS/48-840/IF16/P 25/1

Lumen Maintenance 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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www.lighting.philips.com 2023, November 12 - data subject to change