PHILIPS Lighting

Contractor Type A InstantFit T8

16T8/LED/48-840/IF18/G 25/1

The InstantFit LED lamps provide hassle-free installation with simple lamp-for-lamp replacements. They deliver what we promise, with at least 40% energy savings, flicker-free performance, and the life you would expect .Other lamps claim compatibility but only InstantFit (UL Type A) has been proven to work with over 350 ballasts and drivers, delivering even light output, with proven energy savings and a long average lifetime. End users will be delighted being under these comfortable and high quality InstantFit lamps with no visible flicker and optimized optics. Energy managers will enjoy the InstantFit lamps too as they can count the savings delivered by our lamps. To enjoy more energy savings, the InstantFit lamps can be paired with the Advance TLED drivers to create a Type C system.

Product data

General Information				
Cap-Base	G13 [Medium Bi-Pin Fluorescent]			
Nominal lifetime	36,000 hour(s)			
Switching Cycle	50,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Color Code	840 [CCT of 4000K]			
Beam Angle (Nom)	240 degree(s)			
Luminous Flux	1,800 lumen			
Color Designation	Cool White (CW)			
Correlated Color Temperature (Nom)	4000 K			
Luminous Efficacy (rated) (Nom)	112.00 lm/W			
Color Consistency	<6			

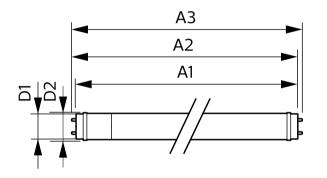
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	20K to 120K Hz
Input Frequency	20K to 120K Hz
Power Consumption	16 W
Wattage Equivalent	32 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277, 347 V
Temperature	
Ambient temperature range	-20 ℃ to 45 ℃

Contractor Type A InstantFit T8

T-Case Maximum (Nom)	35 ℃		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Bulb Finish	Frosted		
Bulb Material	Glass		
Product Length	1,200 mm		
Bulb Shape	Tube, double-ended		
Approval and Application			
Energy Saving Product	Yes		

Approval Marks	RoHS compliance UL certificate			
Energy Consumption kWh/1000 h	- kWh			
Product Data				
Order product name	16T8/LED/48-840/IF18/G 25/1			
Order code	929001960604			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	25			
Material Nr. (12NC)	929001960604			
Full product name	16T8/LED/48-840/IF18/G 25/1			
EAN/UPC - Case	50046677542080			

Dimensional drawing



Product	D1	D2	A1	A2	A3
16T8/LED/48-840/IF18/G 25/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data



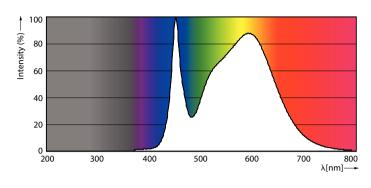
150° 180° 150° -150 100 120 20° \mathbb{A} 90° 90° 60° 60 γ 🗷 (cd/1000lm) 0° 90-270° - 0-180°

Light Distribution Diagram - 16T8/LED/48-840/IF18/G 25/1

Accent Lighting Spots - 16T8/LED/48-840/IF18/G 25/1

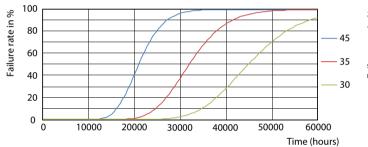
Contractor Type A InstantFit T8

Photometric data



Spectral Power Distribution Colour - 16T8/LED/48-840/IF18/G 25/1

Lifetime



Life Expectancy Diagram - 16T8/LED/48-840/IF18/G 25/1

 100
 96
 96
 96

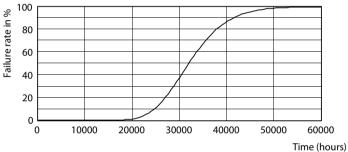
 96
 96
 96
 96

 94
 92
 92
 93

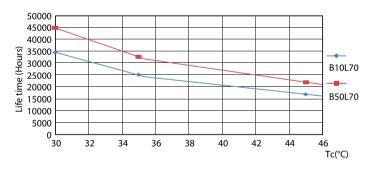
 90
 93
 40
 45
 50
 55

 Tc(°C)
 Tc(°C)
 Tc(°C)
 Tc(°C)
 Tc(°C)

Lumen Maintenance Diagram - 16T8/LED/48-840/IF18/G 25/1



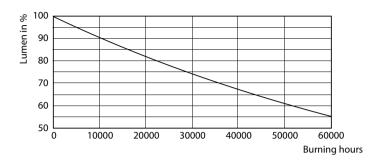






Contractor Type A InstantFit T8

Lifetime



Lumen Maintenance Diagram - 16T8/LED/48-840/IF18/G 25/1



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com 2023, September 4 - data subject to change