PHILIPS

Lighting



T8

16.5T8PRO/48-840/BB21/G 10/1 FB

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	50,000 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	2,100 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	127.00 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	16.5 W
Lamp Current (Max)	154 mA
Lamp Current (Min)	55 mA
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 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	Tube, double-ended

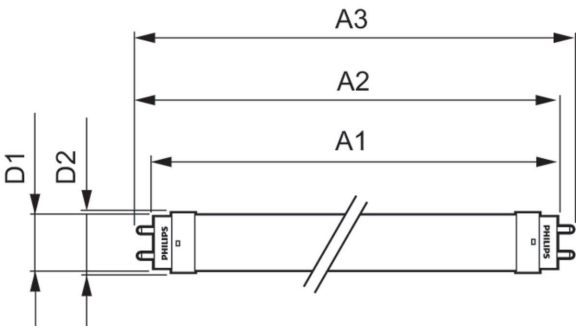
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Approval and Application	
Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance
Energy Consumption kWh/1000 h	- kWh
Energy Certifications	DLC Standard

Product Data	
Order product name	16.5T8PRO/48-840/BB21/G 10/1 FB

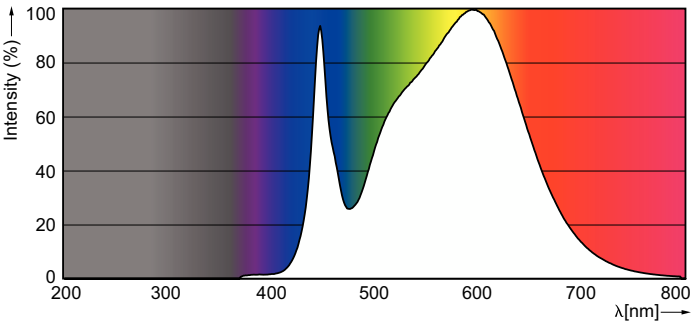
Full product name	16.5T8PRO/48-840/BB21/G 10/1 FB
Order code	471763
Material Nr. (12NC)	929001363334
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677471767
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677471762

Dimensional drawing

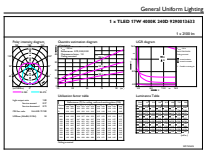


Product	D1	D2	A1	A2	A3
16.5T8PRO/48-840/BB21/G 10/1 FB	25.7 mm	26 mm	1,200 mm	1,207 mm	1,214 mm

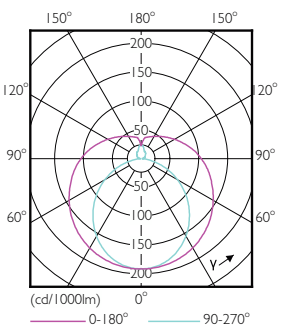
Photometric data



Spectral Power Distribution Colour - 16.5T8PRO/48-840/BB21/G 10/1 FB

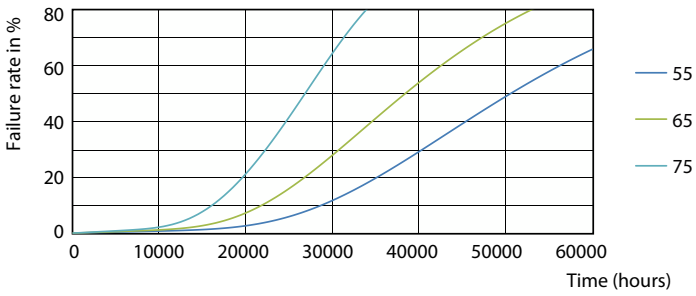


General uniform lighting - 16.5T8PRO/48-840/BB21/G 10/1 FB

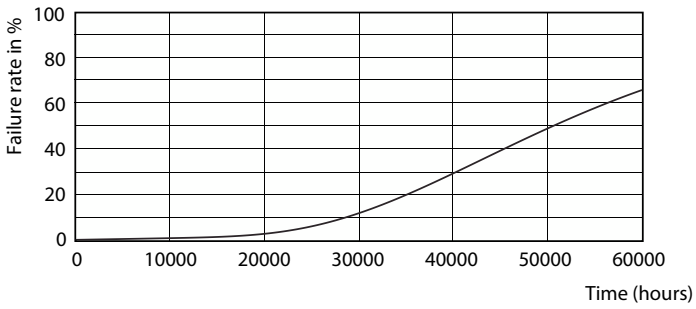


Light Distribution Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB

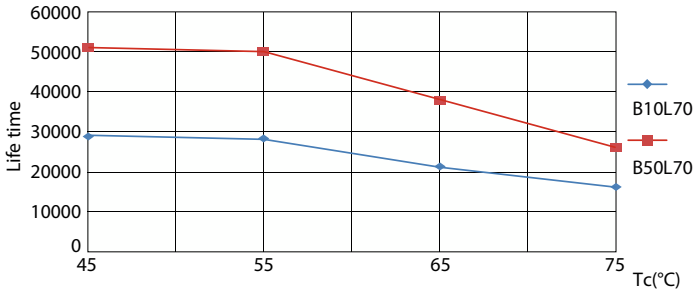
Lifetime



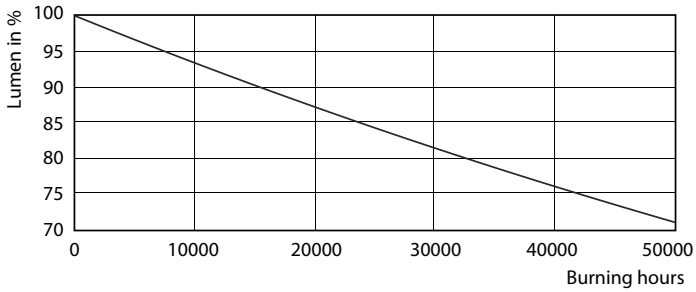
Life Expectancy Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB



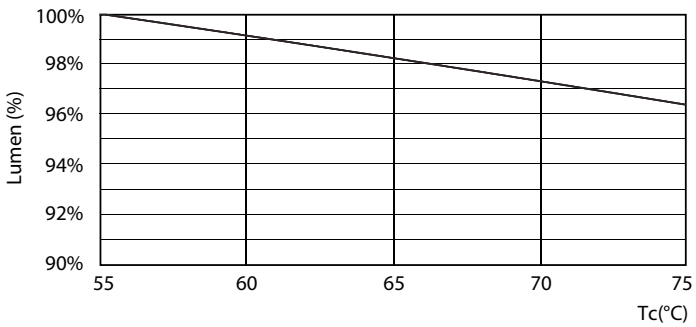
Life Expectancy Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB



Life Expectancy Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB



Lumen Maintenance Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB



Lumen Maintenance Diagram - 16.5T8PRO/48-840/BB21/G 10/1 FB

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2023, August 2 - data subject to change