



LED InstantFit Lamps

16T8/LED/48-850/MF18/G/Clear 1/4 FFP

Philips LED T8 InstantFit Lamps are an ideal energy saving choice for existing linear fluorescent fixtures.

Warnings and Safety

- Philips LED T8 InstantFit lamps will only operate properly on compatible instant-start ballasts. Please refer to the Philips LED T8 InstantFit Installation Guide, which can be obtained through your local Philips Sales Representative, or visit www.philips.com/tled

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	850 [CCT of 5000K]
Beam Angle (Nom)	240 degree(s)
Luminous Flux	1,800 lm
Color Designation	Daylight
Correlated Color Temperature (Nom)	5000 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	50 to 60 Hz
Input Frequency	50 to 60 Hz

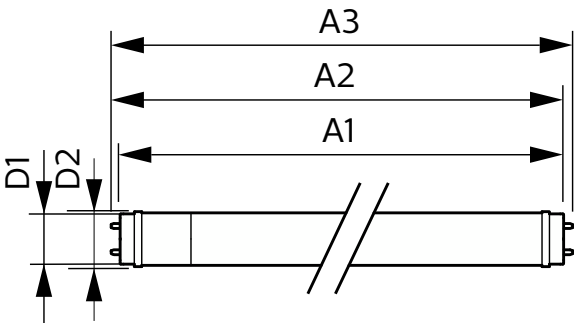
Power Consumption	16 W
Lamp Current (Max)	130 mA
Lamp Current (Min)	47 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (Nom)	120-277 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	70 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1,200 mm
Bulb Shape	T8
Approval and Application	
Energy Saving Product	Yes

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Approval Marks	UL certificate RoHS compliance
Energy Consumption kWh/1000 h	- kWh
Product Data	
Order product name	16T8/LED/48-850/MF18/G/Clear 1/4 FFP
Full product name	16T8/LED/48-850/MF18/G/Clear 1/4 FFP
Order code	929001997703

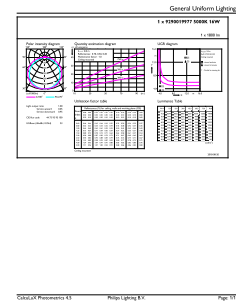
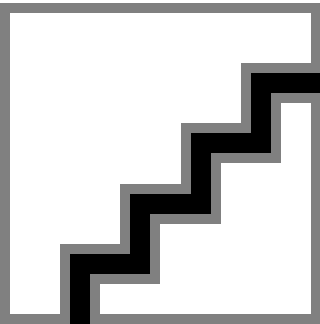
Material Nr. (12NC)	929001997703
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677542511
Numerator - Packs per outer box	1
EAN/UPC - Case	50046677542516

Dimensional drawing



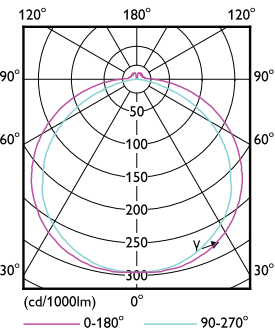
Product	D1	D2	A1	A2	A3
16T8/LED/48-850/MF18/G/Clear 1/4 FFP	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data



Spectral Power Distribution Colour - 16T8/LED/48-850/MF18/G/Clear 1/4 FFP

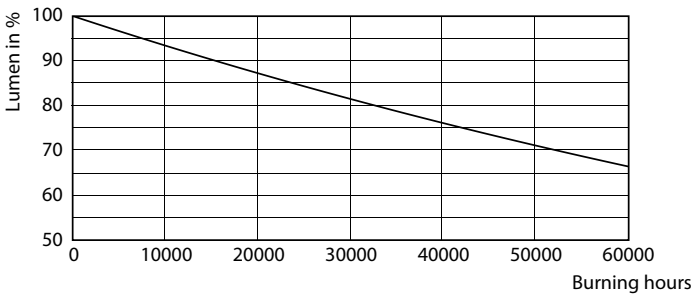
General uniform lighting - 16T8/LED/48-850/MF18/G/Clear 1/4 FFP



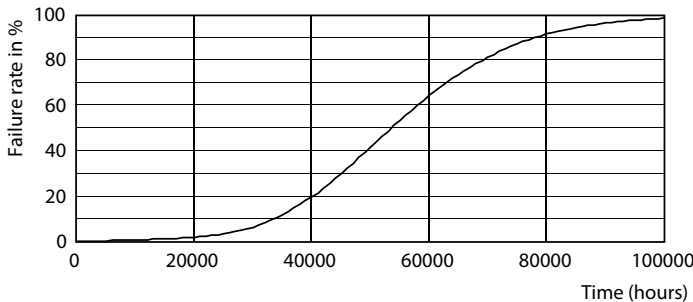
Light Distribution Diagram - 16T8/LED/48-850/MF18/G/Clear 1/4 FFP

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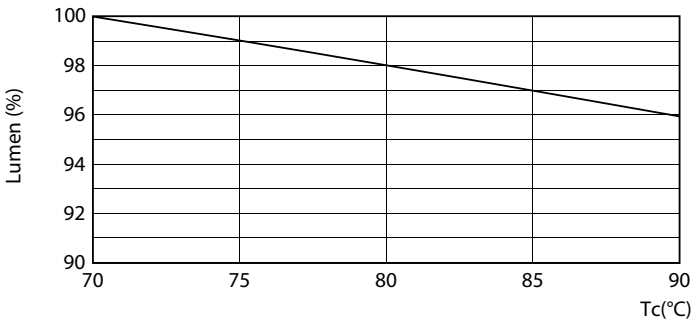
Lifetime



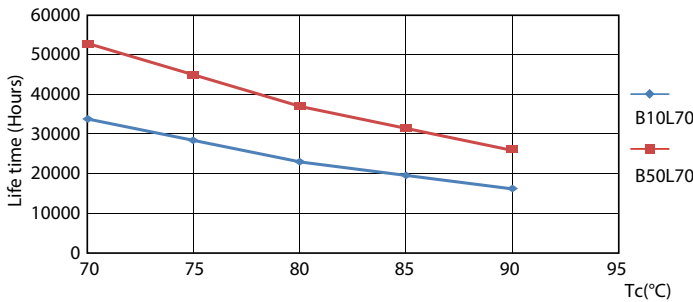
Lumen Maintenance Diagram - 16T8/LED/48-850/MF18/G/Clear 1/4 FFP



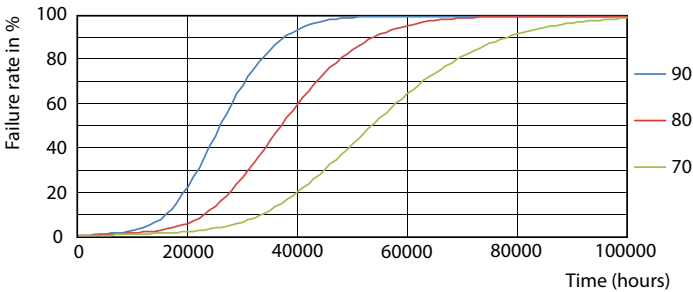
Life Expectancy Diagram - 16T8/LED/48-850/MF18/G/Clear 1/4 FFP



Lumen Maintenance Diagram - 16T8/LED/48-850/MF18/G/Clear 1/4 FFP



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