



UniversalFit (UL Type-A) T8

16T8/LED/48-850/UF18/G 10/1

Contractor grade, LEDtube, T8, 1200 mm, 16 W, 5000 K, 1800 lm, 36000 hour(s)

The Philips UniversalFit (UL Type-A) T8 lamps are designed to operate on both electronic T8 ballasts as well as magnetic T12 ballasts. The UniversalFit is a simple plug and play installation with no need to change the ballast. Compared to the less efficient T12 lamps, the UniversalFit lamps can save up to 50% in energy costs while providing longer life (36,000 hours). These lamps also meet the Philips standards for light quality so that end users will be in comfortable environments while benefiting from lower energy usage.

Product data

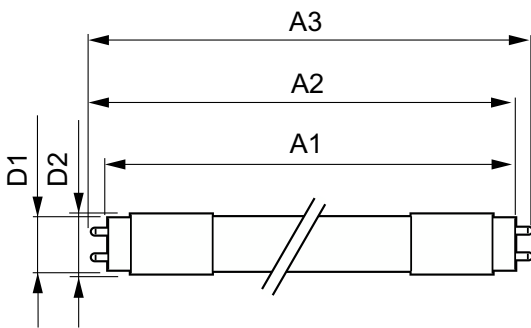
General Information		Color rendering index (CRI)		80
Cap-Base	G13	LLMF At End Of Nominal Lifetime (Nom)	70 %	
Nominal lifetime	36,000 hour(s)	Operating and Electrical		
Switching Cycle	50,000	Line Frequency	50-120000 Hz	
Lighting Technology	LEDtube	Input Frequency	50-120000 Hz	
Light Technical		Power Consumption	16 W	
Color Code	850 [CCT of 5000K]	Lamp Current (Max)	600 mA	
Beam Angle (Nom)	220 degree(s)	Lamp Current (Min)	110 mA	
Luminous Flux	1,800 lm	Wattage Equivalent	32 W	
Color Designation	Daylight	Starting Time (Nom)	0.5 s	
Correlated Color Temperature (Nom)	5000 K	Warm-up time to 60% light	0.5 s	
Luminous Efficacy (rated) (Nom)	112.00 lm/W	Power Factor (Fraction)	0.9	
Color Consistency	<5	Voltage (Nom)	40-330 V	

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UL Type	UL Type A
Temperature	
T-Case Maximum (Nom)	60 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	T8
Net Weight (Piece)	0.220 kg
Approval and Application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate

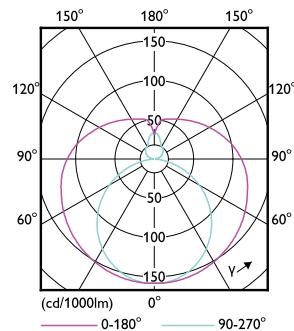
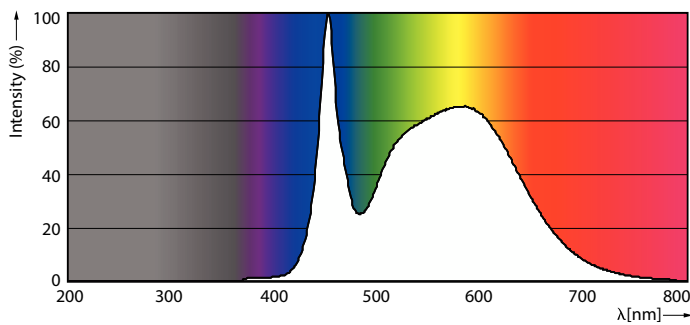
EU RoHS compliant	Yes
Ambient temperature range	-20 °C to 45 °C
Application Conditions	
can it be used in closed luminaires	Yes
Product Data	
Order product name	16T8/LED/48-850/UF18/G 10/1
Full product name	16T8/LED/48-850/UF18/G 10/1
Order code	929001966004
Material Nr. (12NC)	929001966004
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677539986
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677539981

Dimensional drawing



Product	D1	D2	A1	A2	A3
16T8/LED/48-850/UF18/G 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data

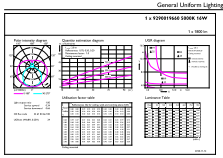


Spectral Power Distribution Colour - 16T8/LED/48-850/UF18/G 10/1

Light Distribution Diagram - 16T8/LED/48-850/UF18/G 10/1

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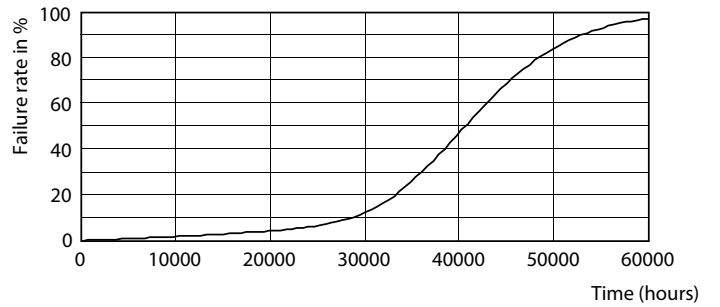
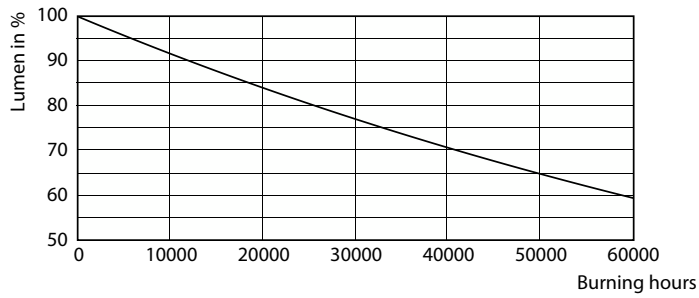
Photometric data



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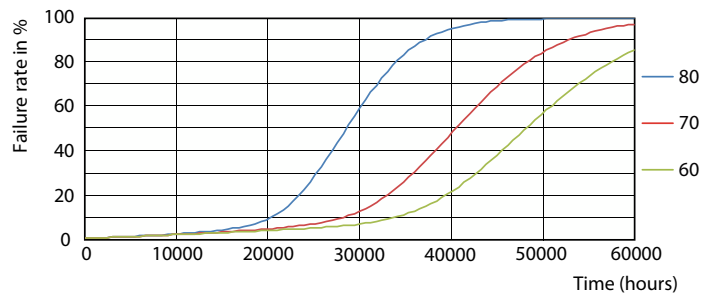
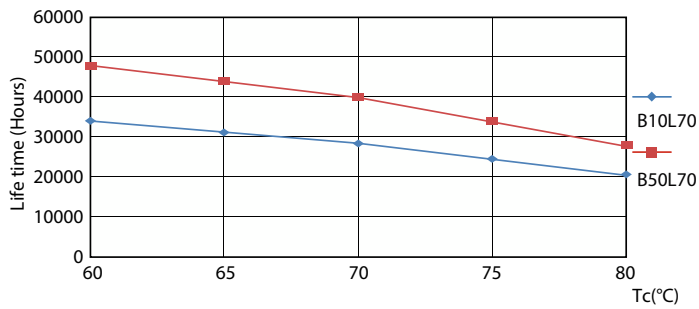
General uniform lighting - 16T8/LED/48-850/UF18/G 10/1

Lifetime



Lumen Maintenance Diagram - 16T8/LED/48-850/UF18/G 10/1

LEDtube 16T8 UF18

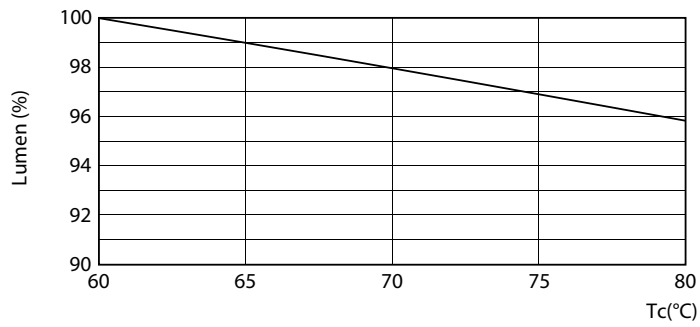


LEDtube 16T8 UF18 LifetimeVsTc

LEDtube 16T8 UF18 FailureRate

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Lifetime



Lumen Maintenance Diagram - 16T8/LED/48-850/UF18/G 10/1

