

UniversalFit (UL Type-A) T8

16T8/LED/48-840/UF18/G 10/1

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		Operating and Electrical	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Line Frequency	50-120000 Hz
Nominal lifetime	36,000 hour(s)	Input Frequency	50-120000 Hz
Switching Cycle	50,000	Power Consumption	16 W
Lighting Technology	LED	Wattage Equivalent	32 W
EU RoHS compliant	Yes	Starting Time (Nom)	0.5 s
		Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.9
		Voltage (Nom)	40-330 V
Light Technical		Temperature	
Color Code	840 [CCT of 4000K]	Ambient temperature range	-20 °C to 45 °C
Beam Angle (Nom)	240 degree(s)	T-Case Maximum (Nom)	60 °C
Luminous Flux	1,800 lumen		
Color Designation	Cool White (CW)	Controls and Dimming	
Correlated Color Temperature (Nom)	4000 K	Dimmable	No
Luminous Efficacy (rated) (Nom)	112.00 lm/W		
Color Consistency	<6		
Color rendering index (CRI)	80		
LLMF At End Of Nominal Lifetime (Nom)	70 %		

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Mechanical and Housing

Bulb Finish	Frosted
Bulb Material	Glass
Product Length	1,200 mm
Bulb Shape	Tube, double-ended

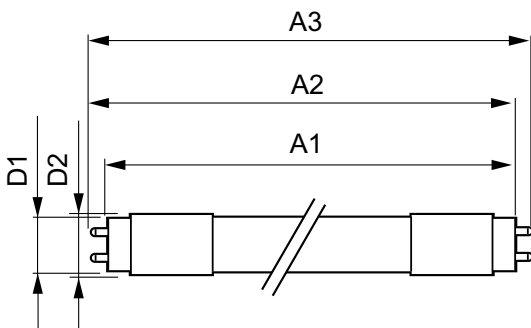
Approval and Application

Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate
Energy Consumption kWh/1000 h	- kWh

Product Data

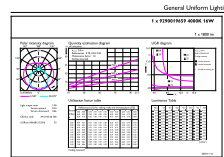
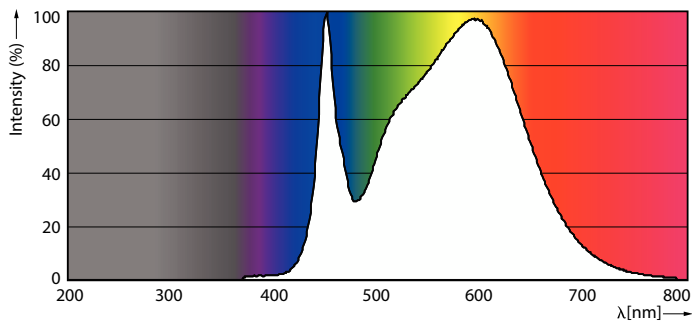
Order product name	16T8/LED/48-840/UF18/G 10/1
Order code	539972
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001965904
Full product name	16T8/LED/48-840/UF18/G 10/1
EAN/UPC - Case	50046677539974
EAN/UPC - Product/Case	046677539979

Dimensional drawing



Product	D1	D2	A1	A2	A3
16T8/LED/48-840/UF18/G 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

Photometric data



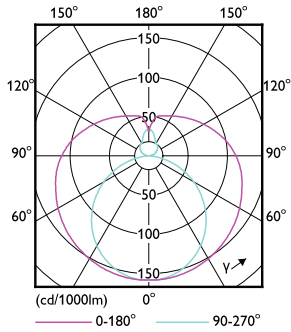
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Spectral Power Distribution Colour - 16T8/LED/48-840/UF18/G 10/1

General uniform lighting - 16T8/LED/48-840/UF18/G 10/1

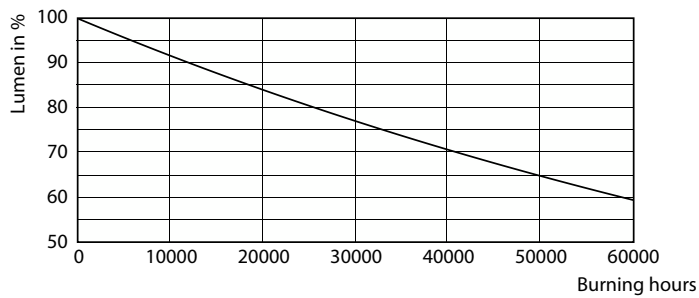
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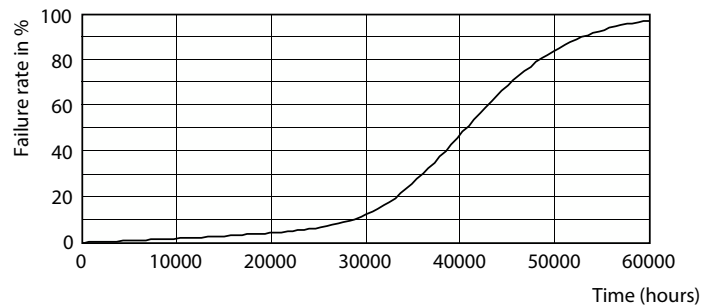


Light Distribution Diagram - 16T8/LED/48-840/UF18/G 10/1

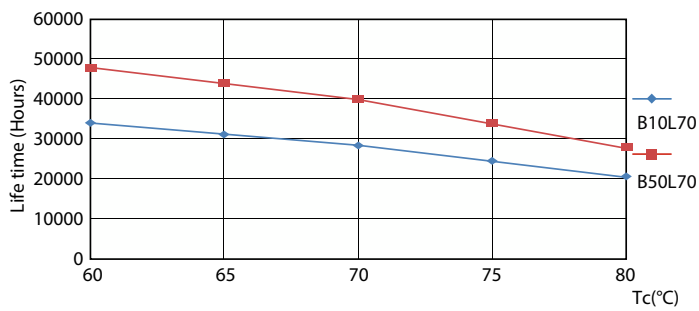
Lifetime



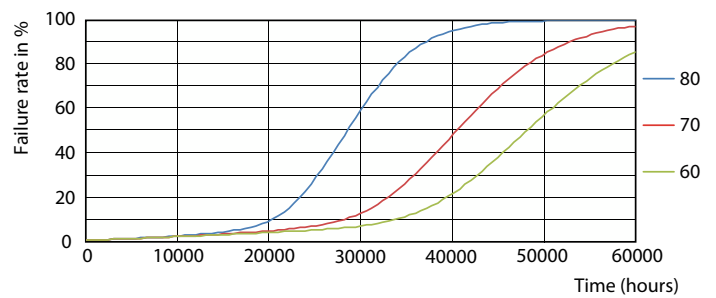
Lumen Maintenance Diagram - 16T8/LED/48-840/UF18/G 10/1



Life Expectancy Diagram - 16T8/LED/48-840/UF18/G 10/1



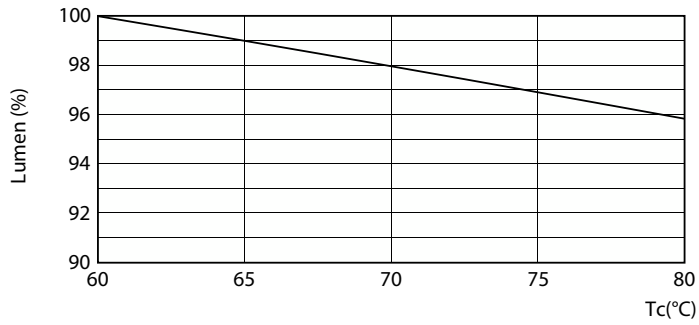
Life Expectancy Diagram - 16T8/LED/48-840/UF18/G 10/1



Life Expectancy Diagram - 16T8/LED/48-840/UF18/G 10/1

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Lifetime



Lumen Maintenance Diagram - 16T8/LED/48-840/UF18/G 10/1

