

T12

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

Philips UniversalFit TLEDs offer unique ballast compatibility working with both electronic (instant-start) and magnetic ballasts while meeting the revised UL1993 standards. The UniversalFit TLEDs are engineered to deliver excellent lighting effects and substantial energy savings while providing unmatched user & installer safety.

Product data

General Information	
Base	G13 [Medium Bi-Pin Fluorescent]
Nominal Lifetime (Nom)	36000 h
Switching Cycle	50000X
B50L70	36000 h

Light Technical	
Color Code	850 [CCT of 5000K]
Beam Angle (Nom)	240 °
Initial lumen (Nom)	1800 lm
Luminous Flux (Rated) (Nom)	1800 lm
Rated Beam Angle	240 °
Correlated Color Temperature (Nom)	5000 K
Color Consistency	<5
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	50-120000 Hz
Power (Rated) (Nom)	16 W
Lamp Current (Max)	600 mA
Lamp Current (Min)	110 mA
Starting Time (Nom)	0.5 s

Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	40-330 V

Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	60 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1200 mm

Approval and Application	
Energy Saving Product	Yes
Approbation Marks	RoHS compliance UL certificate

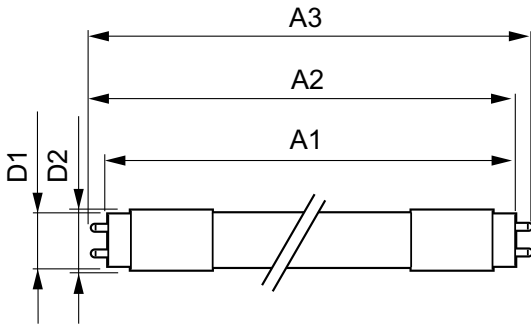
Product Data	
Order product name	16T8/LED/48-850/UF18/G 10/1

T12

EAN/UPC - Product	046677539986
Order code	539980
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001966004

Net Weight (Piece)	0.220 kg
Model Number	9290019660

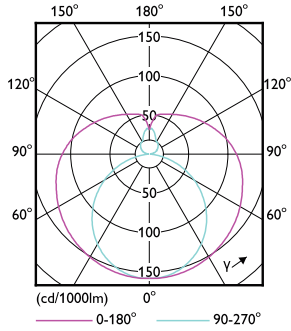
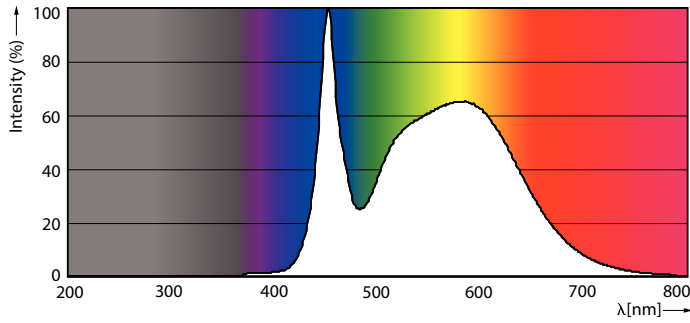
Dimensional drawing



Product	D1	D2	A1	A2	A3
16T8/LED/48-850/UF18/G 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

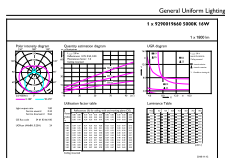
4ft T8 16-32W 1800lm 240D 5000K G13 ND

Photometric data



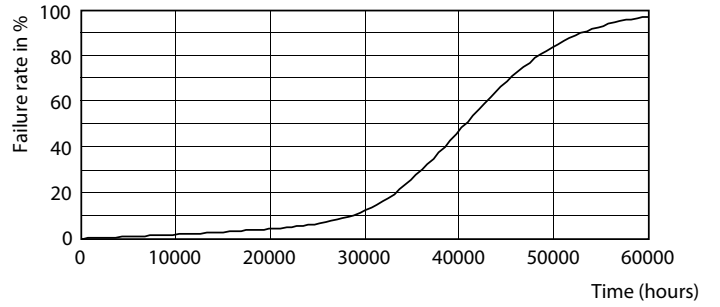
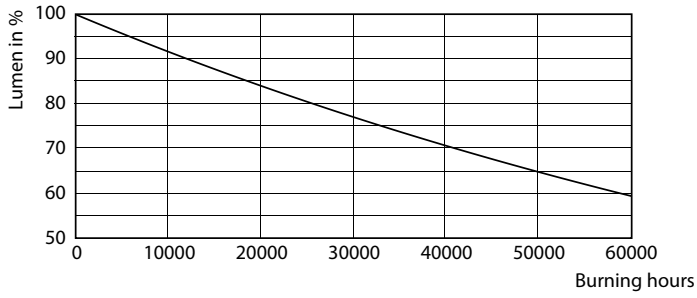
LEDtube 16T8 UF18 48-850

LEDtube 16T8 UF18



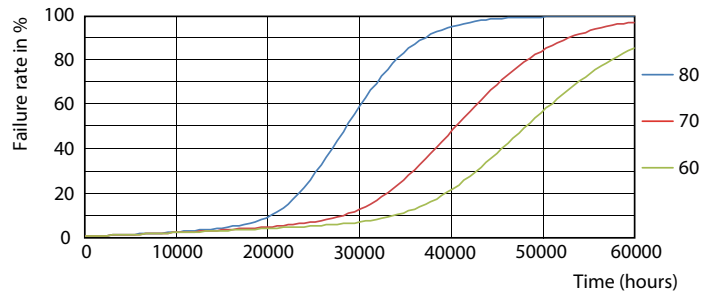
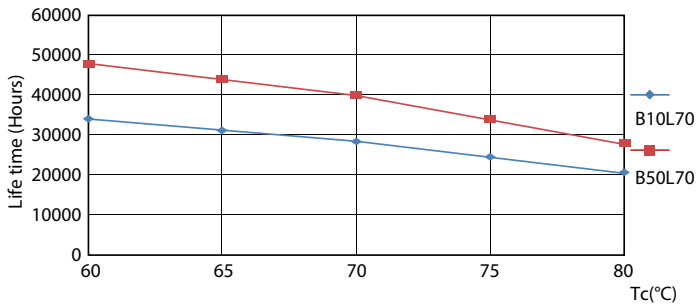
LEDtube 16T8 UF18 48-850

Lifetime



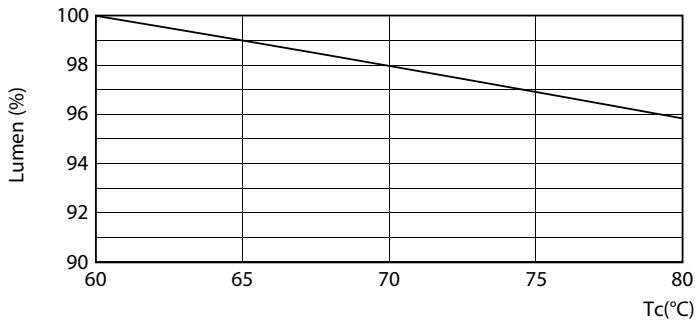
LEDtube 16T8 UF18

LEDtube 16T8 UF18



LEDtube 16T8 UF18 LifetimeVsTc

LEDtube 16T8 UF18 FailureRate



LEDtube 16T8 UF18 LumenVsTc

