

T12

16T8/LED/48-840/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	841 [CCT of 4100K (841)]
Beam Angle (Nom)	240 °
Initial lumen (Nom)	1800 lm
Luminous Flux (Rated) (Nom)	1800 lm
Rated Beam Angle	240 °
Correlated Color Temperature (Nom)	4000 K
Color Consistency	<6
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

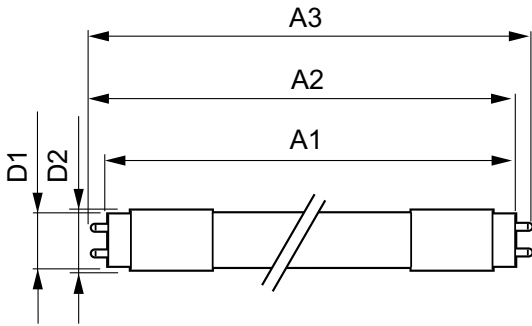
Product Data	
Order product name	16T8/LED/48-840/UF18/G 10/1

T12

EAN/UPC - Product	046677539979
Order code	539972
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001965904

Net Weight (Piece)	0.215 kg
Model Number	9290019659

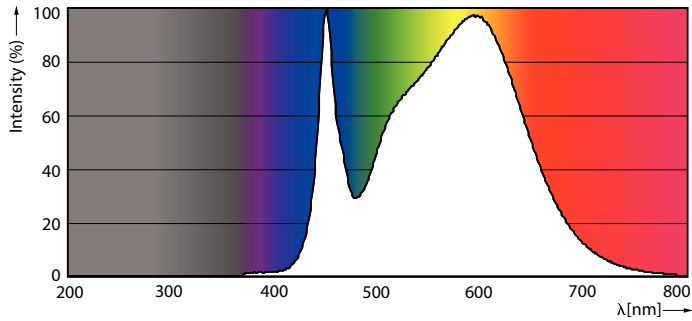
Dimensional drawing



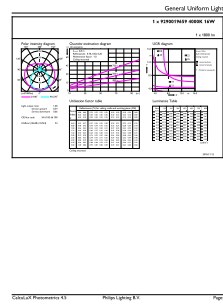
4ft T8 16-32W 1700lm 240D 4000K G13 ND

Product	D1	D2	A1	A2	A3
16T8/LED/48-840/UF18/G 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

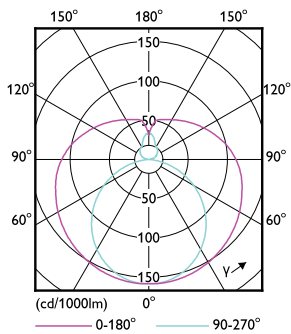
Photometric data



LEDtube 16T8 UF18 48-840

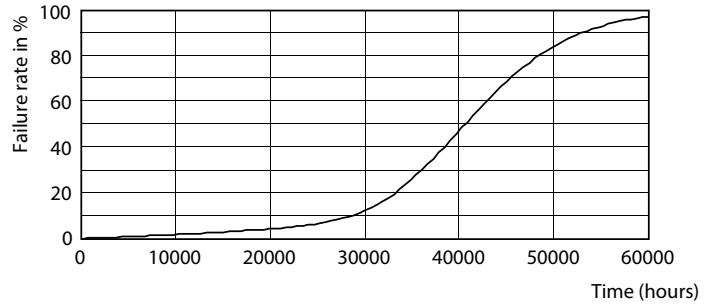
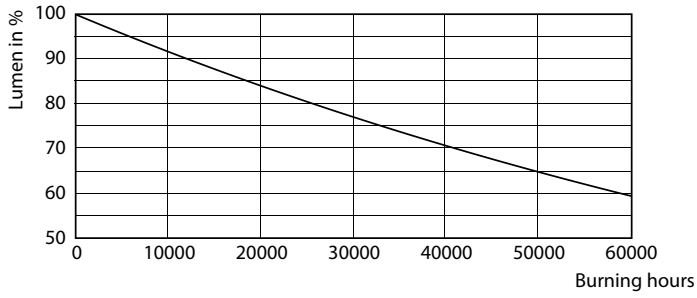


LEDtube 16T8 UF18 48-840



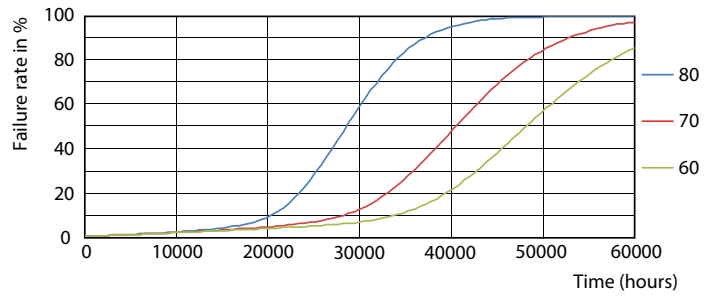
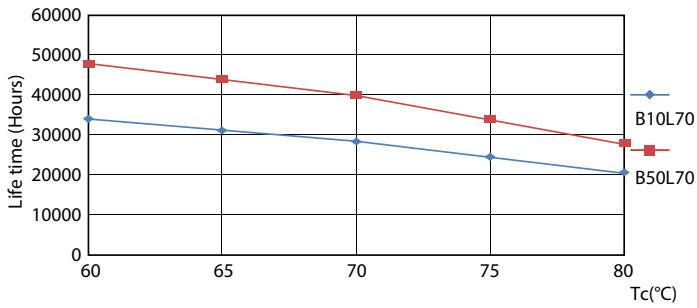
LEDtube 16T8 UF18

Lifetime



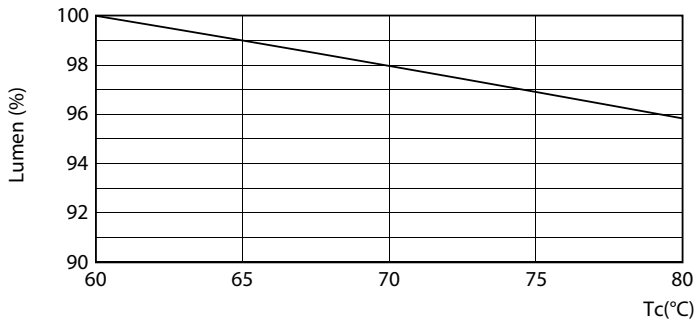
LEDtube 16T8 UF18

LEDtube 16T8 UF18



LEDtube 16T8 UF18 LifetimeVsTc

LEDtube 16T8 UF18 FailureRate



LEDtube 16T8 UF18 LumenVsTc

