

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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	36000 h
Switching Cycle	50000X

Light technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	240 °
Luminous Flux (Nom)	1800 lm
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	112.00 lm/W
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 (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
UL Type	Type A - works on ballast
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	
Bulb Material	Glass
Product Length	1200 mm
Bulb Shape	Tube, double-ended

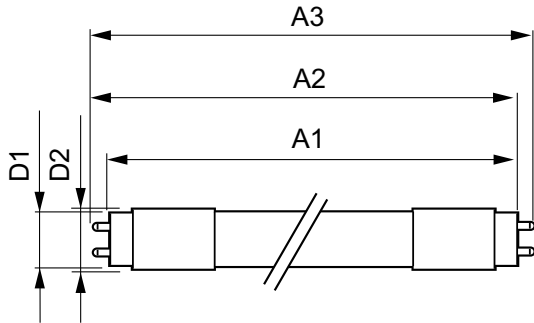
Approval and application	
Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate

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Energy Consumption kWh/1000 h	- kWh
Product data	
Order product name	16T8/LED/48-840/UF18/G 10/1
EAN/UPC - Product	046677539979
Order code	929001965904

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001965904
Net Weight (Piece)	0.215 kg

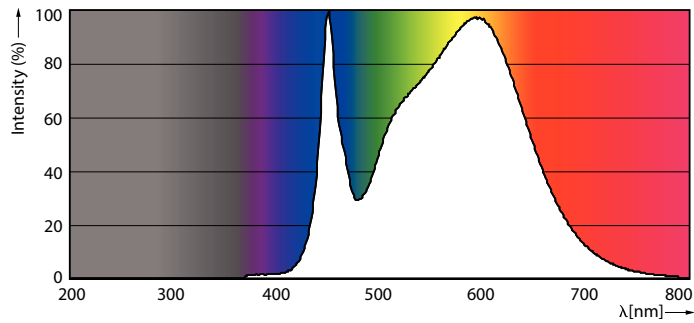
Dimensional drawing



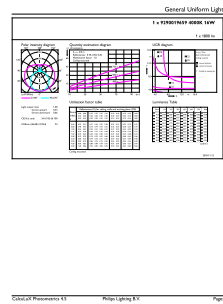
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Product	D1	D2	A1	A2	A3
16T8/LED/48-840/UF18/G 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

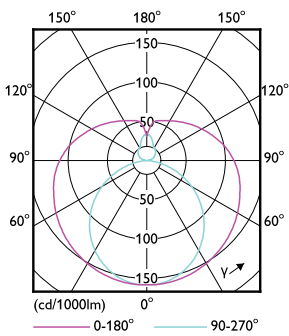
Photometric data



LEDtube 16T8 UF18 48-840

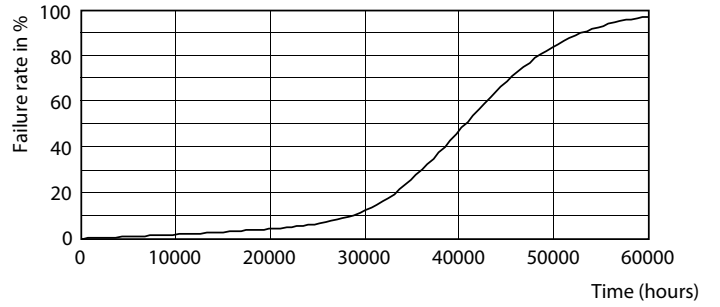
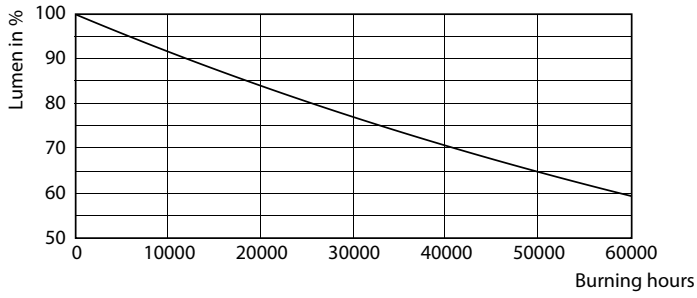


LEDtube 16T8 UF18 48-840



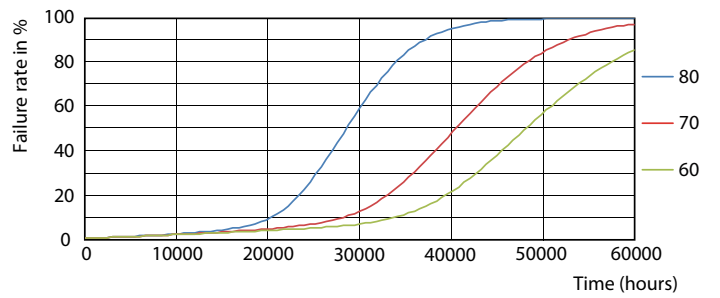
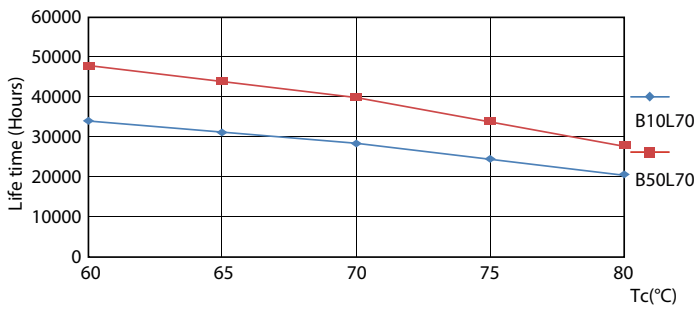
LEDtube 16T8 UF18

Lifetime



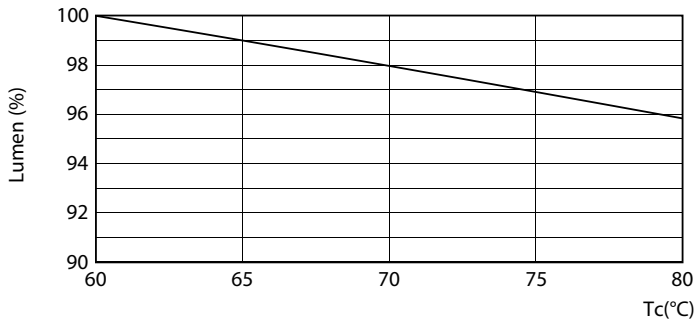
LEDtube 16T8 UF18

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LEDtube 16T8 UF18 LifetimeVsTc

LEDtube 16T8 UF18 FailureRate



LEDtube 16T8 UF18 LumenVsTc

