



One lamp for magnetic or electronic ballasts

T12

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.

Benefits

- Lowers lighting costs
- Offers professional upgrade to LED lighting technology
- Reduced installation time, no need to replace ballasts

Features

- Compatible with both Magnetic and Electronic ballasts
- Meets the latest UL1993 standards
- Reliable performance
- Easy installation, just plug-and-play (UL Type A)

Application

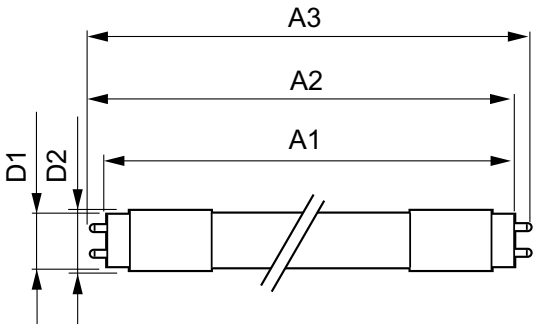
- Office, Industrial & warehouses
- Signage
- Parking lots and covered car parks
- Residential and multi-family dwellings

Versions



Medium Bi-Pin Fluorescent Tube,
double-ended Frosted

Dimensional drawing



Product	D1	D2	A1	A2	A3
16T8/LED/48-850/UF18/G 10/1	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in
16T8/LED/48-840/UF18/G 10/1	1-1/16 in	1-1/8 in	47-3/16 in	47-1/2 in	47-3/4 in

Approval and application	
Energy Consumption kWh/1000 h	- kWh
Controls and dimming	
Dimmable	No
Operating and electrical	
Input Frequency	50-120000 Hz
Voltage (Nom)	40-330 V
Wattage Equivalent	32 W
Power (Nom)	16 W
Starting Time (Nom)	0.5 s
General information	
Cap-Base	G13
Nominal Lifetime (Nom)	36000 h
Switching Cycle	50000
Light technical	
Beam Angle (Nom)	240 °
Color Rendering Index (Nom)	80
Llmf At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux (Nom)	1800 lm
Mechanical and housing	
Bulb Finish	Frosted
Bulb Shape	Tube, double-ended
Temperature	
T-Ambient (Max)	113 °F
T-Ambient (Min)	-4 °F
T-Case Maximum (Nom)	140 °F
T-Storage (Max)	149 °F
T-Storage (Min)	-40 °F

Light technical

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)
539972	16T8/LED/48-840/UF18/G 10/1	841	4000 K
539980	16T8/LED/48-850/UF18/G 10/1	850	5000 K

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