



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

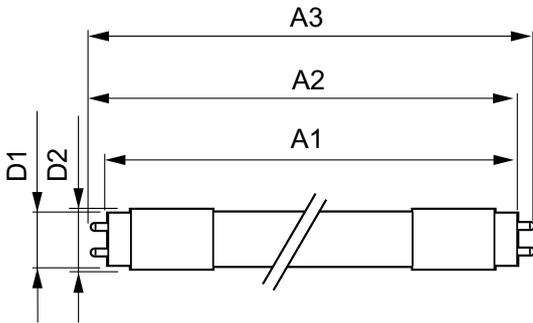
- Office, Industrial & warehouses
- Signage
- Parking lots and covered car parks
- Residential and multi-family dwellings

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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