A new generation for Linear LED T8 lighting.

LED InstantFit Lamps

Philips LED T8 InstantFit Lamps are an ideal energy saving choice for existing linear fluorescent fixtures.

Benefits
- Over 41% energy savings vs F32T8 electronic instant start systems (2)
- No mercury allowing for non-hazardous waste disposal.
- Emits virtually no UV rays or IR
- Glass-free for safer working conditions
- 5 year limited warranty (3)

(2) Lamp F32T8 Electronic Instant Start System with 0.88 Ballast Factor= 58
SystemWatts (2) Philips LED T8 InstantFit = 34 SystemWatts 58 – 34 = 24
SystemWatts Saved 24 / 58 = 41.4% Energy Saved

(3) See warranty for terms and conditions.

Features
- Instant on, no flicker or buzz
- Fits into existing linear fixtures
- Compatible with Instant Start ballasts (1) eliminating the need for rewiring and allows fixture to maintain original UL compliance.
- (1) Must follow guidelines for installation from Philips Quick Installation Guide included with lamp shipment.

Application
- Full light output in spaces with temperatures down to -22°F (-30°C)
- Perfect for applications with frequent “on/off” switching cycles
- Buildings that desire to be mercury free
LED InstantFit Lamps

Warnings and Safety
• Philips LED T8 InstantFit lamps will only operate properly on compatible instant-start ballasts. Please refer to the Philips LED T8 InstantFit Installation Guide, which can be obtained through your local Philips Sales Representative, or visit www.philips.com/tled

Versions

LEDtube G13

Dimensional drawing

<table>
<thead>
<tr>
<th>Product</th>
<th>D1</th>
<th>D2</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
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</thead>
<tbody>
<tr>
<td>16T8/LED/48-850/MF18/G/ Clear 1/4 FFP</td>
<td>25.7 mm</td>
<td>28 mm</td>
<td>1198 mm</td>
<td>1205 mm</td>
<td>1212 mm</td>
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**Approval and Application**

- Energy Consumption kWh/1000 h
- kWh
- Energy Efficiency Label (EEL)
- Not applicable

**Controls and Dimming**

- Dimmable
- No

**Operating and Electrical**

- Input Frequency: 50 to 60 Hz
- Voltage (Nom): 120-277 V
- Starting Time (Nom): 0.5 s

**General Information**

- Cap-Base: G13
- Nominal Lifetime (Nom): 36000 h
- Switching Cycle: 50000X

**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 Shape: Tube, double-ended

**Temperature**

- T-Ambient (Max): 45 °C
- T-Ambient (Min): -20 °C
- T-Case Maximum (Nom): 70 °C
- T-Storage (Max): 65 °C
- T-Storage (Min): -40 °C

**Light Technical**

<table>
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<tr>
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<th>Full Product Name</th>
<th>Color Code</th>
<th>Correlated Color Temperature (Nom)</th>
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<td>14T8/COR/48-840/MF18/G 1/4 FFP</td>
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<td>4000 K</td>
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**Order Code**

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**Full Product Name**

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  - 14T8/COR/48-840/MF18/G 1/4 FFP
  - 14T8/COR/48-850/MF18/G 1/4 FFP
  - 16T8/LED/48-840/MF18/G/Clear 1/4 FFP
  - 16T8/LED/48-850/MF18/G/Clear 1/4 FFP

**Power (Rated) (Nom)**

- Power (Rated) (Nom):
  - 14 W
  - 14 W
  - 16 W
  - 16 W