



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

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Warnings and Safety

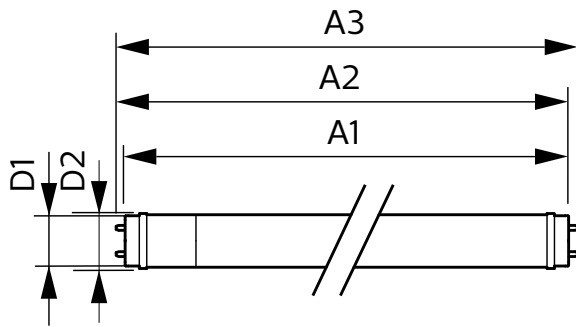
- Philips LED T8 InstantFit lamps will only operate properly on compatible instant-start ballasts. Please refer to the Philips LED T8 InstantFit Installation Guide, which can be obtained through your local Philips Sales Representative, or visit www.philips.com/tled

Versions



LEDtube G13

Dimensional drawing



Product	D1	D2	A1	A2	A3
16T8/LED/48-850/MF18/G/ Clear 1/4 FFP	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
16T8/LED/48-840/MF18/G/ Clear 1/4 FFP	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

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Approval and Application

Energy Consumption kWh/1000 h - kWh

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 to 60 Hz

Voltage (Nom) 120-277 V

Power (Rated) (Nom) 16 W

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

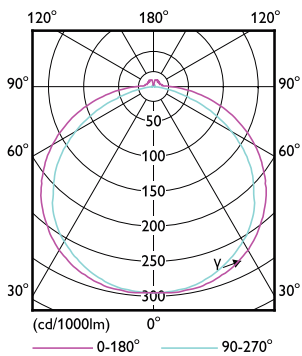
T-Case Maximum (Nom) 70 °C

T-Storage (Max) 65 °C

T-Storage (Min) -40 °C

Light Technical

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)
929001997603	16T8/LED/48-840/MF18/G/Clear 1/4 FFP	840	4000 K
929001997703	16T8/LED/48-850/MF18/G/Clear 1/4 FFP	850	5000 K



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