



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

- 50% energy savings vs F32T8 electronic instant start systems.
- No mercury allowing for non-hazardous waste disposal.
- Emits virtually no UV rays or IR.
- Some models are glass-free for safer working conditions.
- 5 year limited warranty (see www.philips.com/warranties for terms and conditions).
- 2 F32T8 lamps operating on an electronic Instant Start system with a 0.88 Ballast Factor consumes 58 system watts.
- 2 12W Philips LED T8 InstantFit lamps operating on an electronic Instant Start system with a 0.88 Ballast Factor consumes 29 system watts. The system watts saved is $58 - 29 = 29$ which equates to 50% energy savings.

Features

- Instant on, no flicker or buzz.
- Fits into existing fluorescent fixtures.
- Compatible with Instant Start, Programmed Start, Dimmable, and Emergency ballasts eliminating the need for rewiring. This allows the fixture to maintain its original UL compliance.
- Must follow guidelines for installation from Philips Installation Guide included with lamp shipment.

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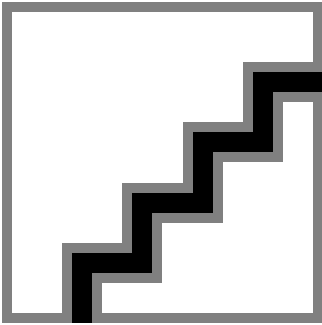
Application

- 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

Warnings and Safety

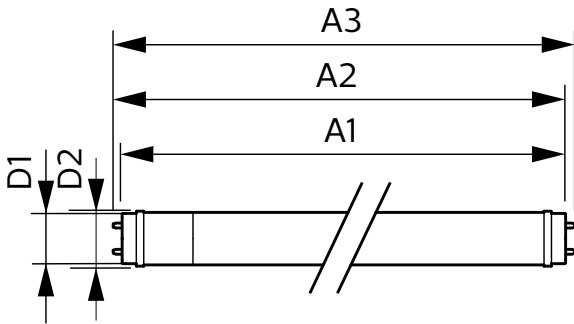
- Perform a visual inspection to ensure lamp holders (or sockets) are not damaged or loose. If the lamp holders (or sockets) are damaged, corroded, charred, blackened or loose, contact a qualified electrician for proper replacement.
- Please refer to the ballast compatibility guide located at www.philips.com/instantfit.

Versions



Medium Bi-Pin Fluorescent

Dimensional drawing



Product	D1	D2	A1	A2	A3
16T8/LED/48-850/IF18/G 25/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm
16T8/LED/48-840/IF18/G 25/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

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Controls and Dimming

Dimmable	No
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Operating and Electrical

Input Frequency	20K to 120K Hz
Voltage (Nom)	120-277, 347 V
Power (Rated) (Nom)	16 W
Starting Time (Nom)	0.5 s

General Information

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

Light Technical

Color Rendering Index (Nom)	80
Llmf At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux (Nom)	1800 lm
Luminous Flux (Rated) (Nom)	1800 lm

Temperature

T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Case Maximum (Nom)	35 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C

Light Technical

Order Code	Full Product Name	Color Code	Correlated Color Temperature (Nom)
542084	16T8/LED/48-840/IF18/G 25/1	841	4000 K
542092	16T8/LED/48-850/IF18/G 25/1	850	5000 K

