

APPROACH LIGHTING

REIL

Xenon Runway End Identification Light



FAA Style A / E



FAA Style B / F

Compliance with Standards

FAA: L-849 Type V and I Style A, E, B and F AC 150/5345-51 (Current Edition). ETL Certified.

ICAO: Annex 14, Vol. 1, para. 5.3.8

Uses

REIL provides a visual indication to pilots of the runway threshold during an approach.

L-849V

Powered by a voltage source

L-849I

Powered by a constant current regulator

Style A

Unidirectional High-Intensity/Single-Step

Style E

Unidirectional High-, Medium-, and Low-Intensity/ Three-Step

Style B

Omnidirectional High-Intensity/Single-Step

Style F

Omnidirectional High-, Medium-, and Low-Intensity/ Three-Step

Features

- Modular design for easy maintenance.
- Longer flashtube life due to low voltage (± 500 VDC) required for operation.
- Safety interlocks in control unit and flash head.
- Weather resistant for any external environment.
- Made in the USA and ETL Certified by Flash Technology, Franklin, TN.

Operating Conditions

Temperature: -40 °F to $+131$ °F (-40 °C to $+55$ °C)

Humidity: 0 to 100% (including conditions where condensation takes place in the form of water or frost)

Altitude: 0 to 10,000 ft (3,000 m)

Wind: Velocities up to 150 knots

Exposure: Withstands windblown rain, sand, dust particles, and a salt-laden atmosphere

Optional Features

- FTC-435 Current Sensing Module (Voltage-driven applications only)

Contact ADB Safegate for additional features, such as:

- Baffles
- Remote mounting of flashheads
- Stainless Steel enclosures
- Hour meters
- Other voltages or 50 Hz frequencies
- Flash Monitoring

Electrical Options

- 240 VAC $\pm 10\%$ 60 Hz, single phase, 300 VA peak per light unit
- 6.6 A through a 300 W isolation transformer per light unit

Contact ADB Safegate for other input power options

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Ordering Code

Flashhead Type

4 = Omnidirectional (FAA Style B, F)

8 = Unidirectional (FAA Style A, E)

Input Power

1 = L-849V, voltage-driven with internal (SC 415) controller (240 V, 60 Hz)¹

3 = L-849I, current-driven (series circuit)²

FTS - X X 2



Notes

¹ Use FTC-435 for optional current sensing of a voltage-driven REIL.

Requires a 30/45 W isolation transformer and connector kit.

² Requires a 300 W isolation transformer and connector kit for each side.

Photometric Data

Style	High Intensity (cd)	Medium Intensity (cd)	Low Intensity (cd)
L-849(L) Style A	15,000	N/A	N/A
L-849(L) Style E	15,000	1,500	300
Note: Candelas above are within a beam pattern of 10° vertical (minimum) by 30° horizontal (minimum) for each flasher.			
L-849(L) Style B	5,000	N/A	N/A
L-849(L) Style F	5,000	1,500	300
Note: Candelas above are within a beam pattern of 8° vertical (minimum) by 360° horizontal for each flasher.			

Flash Rate

Style A, E	120 flashes per minute
Style B, F	60 flashes per minutes

Weight and Dimensions

FTS-412 (omni)	Weight	Dimensions (H x W x D)
Power Converter	21 lb 9.53 kg	12.25 x 19.5 x 13.43 in 311.2 x 494 x 341 mm
Flash Head	10 lb 4.5 kg	16.5 x 13.5 x 13.5 in (419 x 343 x 343 mm)
FTS-432 (omni)	Weight	Dimensions (H x W x D)
Power Converter	21 lb 9.53 kg	12.25 x 20.00 x 14.00 in 311.2 x 508.0 x 355.6 mm
Flash Head	10 lb 4.5 kg	16.5 x 13.5 x 13.5 in (419.0 x 343.0 x 343.0 mm)
FTS-812 (uni)	Weight	Dimensions (H x W x D)
Power Converter	21 lb 9.53 kg	12.25 x 19.5 x 13.43 in 311.2 x 494 x 341 mm
Flash Head	4 lb 1.82 kg	10.75 in x 7.8 in (273.1 mm x 198.1 mm)
FTS-832 (uni)	Weight	Dimensions (H x W x D)
Power Converter	21 lb 9.53 kg	12.25 x 20.00 x 14.00 in 311.2 x 508.0 x 355.6 mm
Flash Head	4 lb 1.82 kg	10.75 in x 7.8 in (273.1 mm x 198.1 mm)