

# L-849 REILs Runway End Identification Lights

Certified to FAA AC 150/5345-51 (Current Edition)

*Advanced design with lower cost of ownership and unmatched support*



## Highlights

- Low annual energy costs
- Five year flash lamp life expectancy
- High, medium and low intensity
- Master / Slave system operation
- Universal, field-programmable timing board
- Field programmable sequence timing
- Meets photometric beam requirements for MALSR, SSALR, and ALSF-I / II

## Specifications

### Current-Powered

- 2.8 to 6.6 amperes
- Operates directly from (2) L-830-10s
- No power adapter required
- True RMS current sensing
- Current sensing set-up required at the Master Unit Only

### Voltage-Powered

- 120 VAC, 60 Hz | 240 V, 60 Hz | 230 V, 50 Hz
- Optional Current-Sensing Module for intensity control

## Standard Options Available

- Co-mounted or Separate mounted flashhead
- Uni-directional or Omni-directional
- 50 or 60 Hz
- Flash monitoring
- Elapsed time meter
- External master controller



Uni Co-mounted



Omni Co-mounted

As Manufactured by:



Certified strobe systems since 2003.

## Applications

- REILS** Runway end identifier light system
- MALSR** Medium intensity approach lighting systems with runway alignment indicator lights
- ALSF-I** Approach Lighting System with Sequenced Flashing Lights (Cat. 1 runways)
- ALSF-II** Approach Lighting System with Sequenced Flashing Lights (Cat. 2 runways)
- SSALR** Simplified Short Approach Lighting System with Runway Alignment Indicator Lights

## Photometric Data

P/N	FPM	Effective Intensity		
		High	Med	Low
L-849-I-A	120	15000	-	-
L-849-VX-A	120	15000	-	-
L-849-I-B	60	5000	-	-
L-849-VX-B	60	5000	-	-
L-849-I-E	120	15000	1500	300
L-849-VX-E	120	15000	1500	300
L-849-I-E	60	5000	1500	300
L-849-VX-E	60	5000	1500	300

## Physical Specifications

<b>Uni Flashhead</b>	11.5H x 8.5W x 7D (292 x 216 x 178)
Weight	4.5 lbs. (2 kg)
<b>Omni Flashhead</b>	15H x 13.5 Dia. (381 x 343)
Weight	8.4 lbs. (3.8 kg)
<b>Master Power Supply</b>	8H x 16W x 14D (203 x 406 x 356)
Weight	51 lbs. (23.2 kg)
<b>Slave Power Supply</b>	8H x 16W x 14D (203 x 406 x 356)
Weight	47 lbs. (21.3 kg)
<b>Uni Co-Mounted</b>	19.5H x 16W x 14D (495 x 406 x 356)
(FHUD-109 & PSUV-101)	
Weight	56.5 lbs. (25.7 kg)
<b>Omni Co-mount</b>	23H x 16W x 14D (584 x 406 x 356)
Weight	59.4 lbs. (27kg)

## Equipment Data

Control	Remote, local, or automatic
Current (rms Amps)	2.8 to 6.6
Power (Watts)	150 Average; 290 Peak
Flash Rate	60/120 fpm
Uni Nominal Intensity	High: 15000, medium 1500, low 300
Omni Nominal Intensity	High: 5000, medium 1500, low 300
Uni Beam Spread	30° horizontal 10° vertical
Omni Beam Spread	360° horizontal 8° vertical

## Spare Components

Description	Part Number
Timing & Control Board	255-20079
HV Rectifier Board for Voltage Unit	255-20081
HV Rectifier Board for Current Unit	255-20082
Current Sensing Board	255-20086
Trigger Transformer	55-00027
Uni Flash Tube (Par 56)	55-00145
Omni Flash Tube	55-00360



Uni Flashhead



Omni Flashhead



### Power Supply Models (L-849 Styles A and E)

255-20001/2 (Voltage-powered)

255-20003/4 (Current-driven)

*\*Note above power supplies can be used in sequential flashing configurations (MALSR, ALSF-I/II, SSALR)*

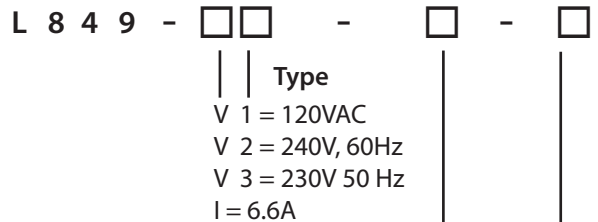
### Power Supply Models (L-849 Styles B and F)

255-20005/6 (Voltage-powered)

255-20007/8 (Current-powered)

## General Catalog Numbers

All units have co-mounted flash heads unless specified with Option 6



### Styles

- A - Uni-directional, high intensity, one brightness step
- B - Omni-directional, high intensity, one brightness step
- C - Uni-directional, low intensity, one brightness step
- D - Omni-directional, low intensity, one brightness step
- E - Uni-directional, three brightness steps
- F - Omni-directional, three brightness steps

### Options

- 1 - Elapsed time meter
- 2 - Current sense module (voltage units only)
- 3 - Baffles
- 4 - Flash monitoring
- 5 - Master control in separate cabinet
- 6 - Separate mount flash head (specify quantity)
- 7 - Red filters (omni only)
- 8 - Light shields (specify degrees coverage)