

Runway End Identifier Lights (REIL)



Compliances (Current Editions)

FAA: AC 150/5345-51

Canada: TP 312 5th Edition Section 5.3.10



Key Features

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

Applications

- ODALS Omni Directional Approach Lighting 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

General Catalog Numbers

L849-□□-□-□

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

Type

V1 = 120VAC
 V2 = 240V, 60Hz
 V3 = 230V, 50Hz
 I = 6.6A

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)

Styles

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

Specifications

Photometric Data

Part #	FPM	Effective Intensity		
		High	Med	Low
L-849-I-A	120	15,000	-	-
L-849-VX-A	120	15,000	-	-
L-849-I-B	60	5,000	-	-
L-849-VX-B	60	5,000	-	-
L-849-I-E	120	15,000	1,500	300
L-849-VX-E	120	15,000	1,500	300
L-849-I-E	60	5,000	1,500	300
L-849-VX-E	60	5,000	1,500	300

Physical Specifications

Uni Flashhead	11.5H x 8.5W x 7D (292 x 216 x 178)
Weight	4.5 lbs. (2 kg)
Omni Flashhead	15H x 13.5 Dia. (381 x 343)
Weight	8.4 lbs. (3.8 kg)
Primary Pwr.	8H x 16W x 14D (203 x 406 x 356)
Supply Weight	51 lbs. (23.2 kg)
Secondary Pwr.	8H x 16W x 14D (203 x 406 x 356)
Supply Weight	47 lbs. (21.3 kg)
Uni Co-Mounted	19.5H x 16W x 14D (495 x 406 x 356) (FHUD-109 & PSUV-101)
Weight	56.5 lbs. (25.7 kg)
Omni Co-mount	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 15,000; Medium 1,500; Low 300
Omni Nominal Intensity	High 5,000; Medium 1,500; Low 300
Uni Beam Spread	30° horizontal 10° vertical
Omni Beam Spread	360° horizontal 8° vertical

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)

L-849 Styles B and F

255-20005/6 (Voltage-powered)

255-20007/8 (Current-powered)

Specifications

Current-Powered

2.8 to 6.6 amperes

Operates directly from (2) 300W Isolation Transformers

No power adapter required

True RMS current sensing

Current sensing set-up required at the
Primary Unit Only

Voltage-Powered

120 VAC, 60 Hz | 240 V, 60 Hz | 230 V, 50 Hz

Optional Current-Sensing Module for intensity control

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

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