L-849 REIL Runway End Identification Lights

Compliances

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

As Manufactured by:

Intertek

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

Key Features

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

General Catalog Numbers

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

L849 - □□ - □ - □

Type

V 1 = 120VAC
*V 2 = 240V, 60Hz
*V 3 = 230V 50Hz
I = 6.6A

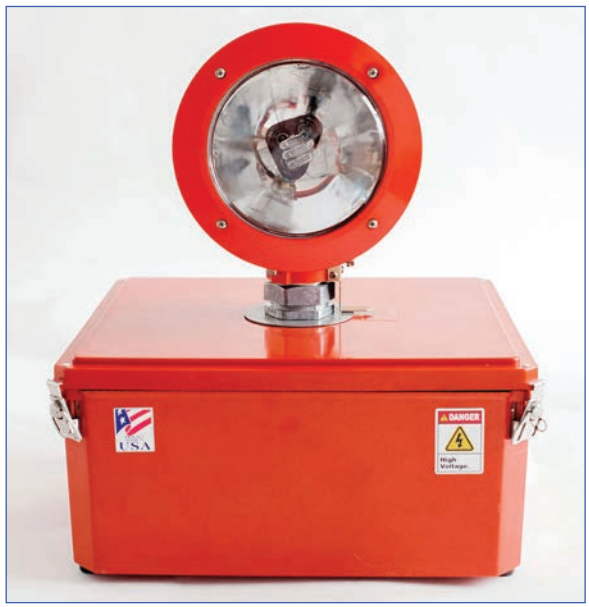
*FAA Compliant

Styles

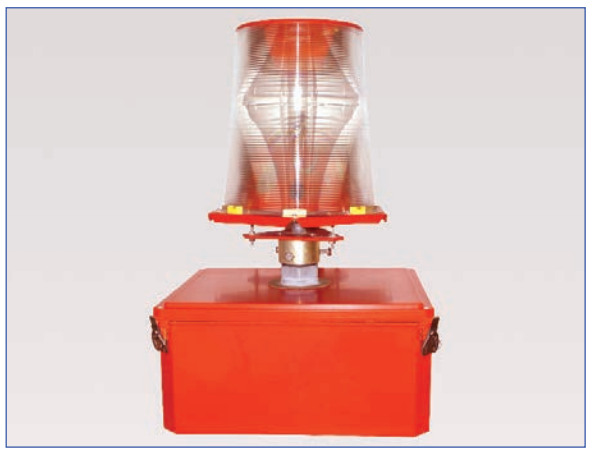
A - Uni-directional, high intensity, one brightness step
B - Omni-directional, high intensity, one brightness step
C - Uni-directional, low intensity, one brightness step
D - Omni-directional, low intensity, one brightness step
E - Uni-directional, three brightness steps
F - Omni-directional, three brightness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



Uni Co-mounted



Omni Co-mounted

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

Airport Lighting Company | 108 Fairgrounds Drive | Manlius, NY 13104
(315) 682-6460 | Fax (315) 682-6469 | airportlightingcompany.com | 11/19

AirportLightingCompany

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

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)
Master Power Supply	8H x 16W x 14D (203 x 406 x 356)
Weight	51 lbs. (23.2 kg)
Drone Power Supply	8H x 16W x 14D (203 x 406 x 356)
Weight	47 lbs. (21.3 kg)
Uni Co-Mounted (FHUD-109 & PSUV-101)	19.5H x 16W x 14D (495 x 406 x 356)
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: 15000, medium 1500, low 300
Omni Nominal Intensity	High: 5000, medium 1500, low 300
Uni Beam Spread	30º horizontal 10º vertical
Omni Beam Spread	360º horizontal 8º 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)

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