

L-859 Omni-Directional Lighting System (ODALS)



Compliances

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



As Manufactured by:



Certified strobe systems since 2003.

Application

The primary application of a REIL system is to positively identify the end or the threshold of a visual or instrument non-precision runway. A REIL system consists of two synchronized flashing lights. One flasher unit is located at each side of the runway threshold.

Key Features

- Lower cost of ownership
- Five year flash lamp life expectancy
- High, medium and low intensity
- Master / Drone system operation
- Robust master control signal
- Field programmable sequence timing
- Common timing board used in Master and Drone units

General Catalog Numbers

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

L859-□□ - F - □

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

*FAA Compliant

Options

F - Omni, three brightness steps

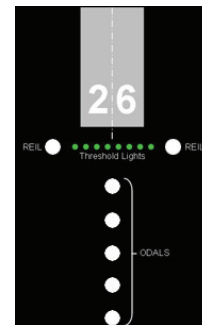
Options

- 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
- 8 - Light shields (specify degrees coverage)

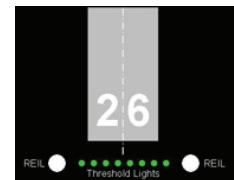


Co-Mounted Unit

Applications



Omni-directional approach light system (ODALS)



Runway end identifier light system (REILs)





Photometric Data

Type	FPM	Effective Intensity		
		High	Med	Low
L-859-I-F	60	5000	1500	300
L-859-VX-F	60	5000	1500	300



Flashhead



Co-Mounted Unit



Power Supply Models (Style F)
255-20005/6 (Voltage-powered)
255-20007/8 (Current-powered)

Physical Specifications

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)
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 5.2 Amps min. required for High intensity
Power (Watts)	150 Average; 290 Peak
Flash Rate	60 p/m
Nominal Intensity	High: 5000 Med: 1500 Low: 300
Beam Spread	360° Horizontal, 8° Vertical

Specifications

Current-Powered

- 2.8 to 6.6 amperes
- Operates directly from an L-830-10 isolation transformer
- 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

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
Omni Flash Tube	55-00360

Standard Options Available

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