

Omni-Directional Lighting System (L-859 ODALS)

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

Superior quality design with low annual energy costs



Certified strobe systems since 2003.

Benefits

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

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

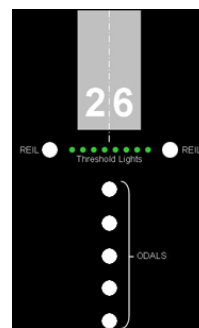
Standard Options Available

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

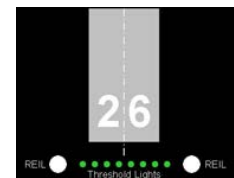


Co-Mounted Unit

Applications



Omni-directional approach light system (ODALS)



Runway end identifier light system (REILs)

Photometrics Data

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

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)
Slave 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.

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



Flashhead



Power Supply Models (Styles F)

PSOV – 105 / 106 (Voltage-powered)
PSOC – 107 / 108 (Current-powered)



Co-Mounted Unit

General Catalog Numbers

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

L 8 5 9 - - F -

| | Type

V 1 = 120Vac

V 2 = 240V, 60Hz

V 3 = 230V 50 Hz

I = 6.6A

Style _____

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)