

LED Dual Red/White Beacon

L-865/L-864



Certified to:
FAA AC 150/5345-43F



Compliant to:
ICAO
(Annex 14 - Fourth Edition,
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FEATURES / BENEFITS

- 20,000 cd nominal daytime white and 2,000 cd nighttime red
- Designed to replace Dual Xenon Strobe Units: FAA type L865/L864; ICAO Medium Intensity Type A/B
- Resistant to shock and vibration
- Universal 110/240 VAC input; 50/60 Hz
- Can be controlled and monitored by Unimar obstruction lighting control system
- Eliminates high voltage parts and issues associated with traditional strobes
- Dramatically reduces cable sizing requirements
- Innovative Temperature Management System (TMS) to ensure longevity of LEDs
- Meets or exceeds industry EMI/RFI standards
- IP 66 / NEMA 4X rated
- Meets the US Fish & Wildlife Services recommendation for proposed rule meeting the FCC standards (WT Docket No 03-187, FCC 06-164) regarding the protection of migratory birds

APPLICATION

The dual beacon is the first production medium intensity Red/White beacon, utilizing state-of-the-art optics. With the use of a simple controller, the beacon will provide over 20,000 cd in the daytime mode and 2,000 red in the nighttime mode. In the event of a problem with the nighttime mode red, the light will default to 2,000 cd white nighttime operation. Its advanced passive temperature management system maintains the LEDs well within their temperature tolerance in all operating conditions. The beacon has a microprocessor controlled driver and a default flash mode if it loses communication with the controller.

SPECIFICATIONS

Operating Voltage:

110 to 240 VAC \pm 10%, 50 - 60 Hz

Power Consumption:

100W Continuous @ 40 fpm (Daytime)

48W Continuous @ 40 fpm (Nighttime)

Lightsources: LEDs > 10+ year life expectancy

Effective Intensity:

20,000 cd white \pm 25% in daytime mode

2,000 cd red \pm 25% in nighttime mode

Operating Temperature: -40° C to +55° C

Storage Temperature: -55° C to +55° C

Surge / Lightning Protection: Designed to withstand IEC61000-4-5, 6kV/3000A, 1.2/50us, 8/20us, 2 ohm output impedance, combination wave, line-line and line-ground

Flash Rate: 20 - 40 fpm (controller dependent)

Synchronization: 2 unit synchronization from single controller (see Unimar Synchronized Flasher Controller - SFC)

5-year Warranty

ORDERING INFORMATION

Part Number:	Description	VAC
D1RW-C13-037	Dual Red / White Beacon	120/240 VAC
9802-010	Flashhead Cable	Sold Per Ft

UNIT ELECTRICAL SPECIFICATIONS

	Watts			Supply voltage \pm 15%		Volt Amps (VA)		
	Min	Nom	Max	Min	Max	Min	Nom	Max
White (40fpm)	145	165	180	110	240	90	100	110
Red (2,000 cd)	20	30	40	110	240	21	31	42