

Lonestar | Leading the Way in Aviation Lighting

The LONESTAR beacon, an FAA Type L864/865 compliant LED obstruction light, meets and exceeds FAA standards with robust construction and modular electronics. Paired with the LC-STAR controller, it ensures reliable day and night marking. Its advanced optics and controls enable seamless installation with one controller and cable. The modular design allows easy field repairs and supports both AC and DC power, featuring an optional integrated power supply.

Key Features

- Five-year warranty
- Electronics available in light fixture or at ground level
- Transient protection per IEEE c62.41-1991
- Modular design, easy access to all components
- Simpler cable installation
- Low power consumption
- 15-20 years of operation
- Infra-red (IR) included
- Optional GPS synchronization
- Optional DC power supply

Standards and Certifications

- FAA AC70/7460-1M
- ICAO Annex 14 Volume 2
- CAR 621
- DGAC

Performance

- Effective intensity 20,000cd white, 2,000cd red and 246mW/sr IR Radiant
- Horizontal beam coverage 360 degrees
- Vertical beam coverage 3 degree
- Form "C" failure alarm
- LED Temperature Intensity Compensation



FAA-L864/865
Dual Red/White with IR

LONESTAR

FAA Medium Intensity Obstruction Light



Optional Monitoring Features

- 10 additional alarm inputs
- Cabinet access alarm
- SNMP programming Get/Sets
- SNMP traps for alarms
- System operation event history record
- Manual control override of connected lights
- Cabinet temperature
- Backup battery discharge protection
- Real-time clock / Eeprom for configuration
- 0-30 VDC analog monitoring ports
- GPRS/CDMA Wireless modem
- Ethernet CP/IP modem

Monitoring Services

- FCC QLI Compliant
- TWR Web Portal provides online access to review your monitored sites
- Automatic email notification of NOTAM status changes.
- TWR NOC full reporting monitoring service
- HIMS (Hark Independent Monitoring Service) (Client-monitored)

Flashes Per Minute

Product	Night	Day
L864-IR (Red)	30	-
L865-IR (White)	40	40
L864-IR/L865 (Red/White)	30	40

Power Consumption @ 20°C

Product	Night	Day
L864-IR (Red)	12.5 W	1 W
L865-IR (White)	7.5 W	32 W
L864-IR/L865 (Red/White)	12.5 W	32 W

General Specifications

Operating Voltage	120-240 VAC
Frequency	50/60 Hz
Beacon Dimension L x W x H	18.5" x 18.5" x 8.5" in. (469.9 x 469.9 x 215.9 mm.)
Beacon Weight	36 lbs. (16.3 kg.)
Controller Dimension L x W x H	16.5" x 16" x 7.75" in. (416 x 406 x 196 mm)
Controller Weight	18 lbs. (8.16 kg.)
Controller Protection Rating	NEMA 4 IP66
Operating Temperature Range	-40°F to +130°F (-40°C to +55°C)
Power Consumption	Night < 15 watts Day < 35 watts

Lonestar Mounting Dimensions

