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Obstruction Lights



New Model PRL864 LED Aviation Obstruction Lights

The PRL-864 flashing red beacon was designed to easily interface into existing systems or to be provided as a red lighting fixture for new installations. The beacon is used to mark any obstacle that may provide hazards to aircraft navigation.

The PRL-864 LED (Light Emitting Diode) flashing red beacon is used as an obstruction beacon on the top of utility towers higher than 151 feet tall, and as intermediate beacons on all towers higher than 351 feet tall.

The PRL-864 is the first ETL certified LED based red beacon, meeting the FAA and ICAO intensity requirements, and generates no EMI/RFI.

The PRL-864 has major advantages over the 300mm commonly used incandescent beacons:

- The PRL-864 LED beacons have a much longer life, guaranteed for five years, saving significant maintenance dollars over incandescent bulbs which have to be changed, at the top of the tower, every year or so.
- PRL-864 LED beacons use much less power, using only 122 watts compared to the incandescent bulbs using up to 1600 watts. This power saving is especially important in remote installations where solar power is the economic choice for a power supply. The lower power requirement means 1/10 the number of solar panels are required.

PRL-864 Features/Benefits

- Designed to replace 300mm incandescent obstruction lighting fixtures with state of the art high flux LED technology!
- Unique design assures heat dissipation for optimum LED performance!
- Can be flashed or steady burned!
- Uses 90% less energy than an incandescent!
- Creates no EMI/RFI!
- Lasts years longer than an incandescent!
- Unique lens design to enhance LED operation and provide 360 degree visibility!
- Beacon designed to mount onto standard bolt pattern installations!
- Weather/corrosion resistant lamp assembly and housing!
- 5 year performance warranty!
- Resistant to shock and vibration!
- 25% shutdown feature!

PRL-864 Specifications

Designed to meet and exceed:

- FAA, 150.5345-43E
- Canadian Aviation Reg CAR621.19
- ICAO, Annex 14

- MILL-L
- UL Electrical Standards
- CSA Electrical Standards
- CE Electrical Standards

Operating Conditions:

- Temperature: -67F to +131F (-55C to +55C)

Finish:

- Black Powder Coated Cast Aluminum
- Stainless Steel Hardware

Mechanical Specifications:

- Beacon - 50lbs. 24" x 24" x 24"
- Interface Enclosure - 20lbs. 14" x 14" x 7"

Electrical Specifications:

D1 Series 120Volt Unit	minimum	typical	maximum
Operating Voltage (120VAC)	92	120	135
Current (Amps)	1.2	1.0	0.9
Volt Amps (VA)	110	115	122

D1 Series 240Volt Unit	minimum	typical	maximum
Operating Voltage (240VAC)	192	240	288
Current (Amps)	0.6	0.5	0.45
Volt Amps (VA)	110	115	122

Ordering Information:

- PRL864-A11-001 Beacon, Red, 120 VAC
- PRL864-A12-001 Beacon, Red, 240 VAC