



IFH-1910-0IR Wind Turbine Obstruction Lighting System

Type L-864(L), Red LED
with Infrared (IR)



Compliance

- ETL Certified L-864(L): FAA AC 150/5345-43J
- Transport Canada CAR 621, CL-864

Applications

The IFH-1910-0IR is equipped for tomorrow's technical challenges. Dimming capability includes support for Vaisala and Biral visibility sensors. Modbus communications and our Ethernet Gateway provide a robust multi-turbine dimming solution. Aircraft Detection Lighting System (ADLS or radar) support via Ethernet Gateway or local input. Infrared (IR) emitters provide Night Vision Imaging Systems (NVIS) compatibility per FAA EB-98. Integral GPS for seamless flash synchronization. Precision optics and the latest LED technology provide a low power, low light pollution wind turbine lighting solution.

Features

- Infrared (IR) emitters for Night Vision Imaging Systems (NVIS) compatibility per FAA EB-98
- Dimming support for Vaisala and Biral visibility sensors
- Aircraft Detection Lighting System (ADLS) support via Ethernet or Local input
- Expandable to support turbines 700 ft. AGL and greater
- Ethernet Gateway option
- Over Voltage Protection (OVP) option
- Flashing L-810 option
- Form-C dry contact alarm indicates failure of LED beacon, Photocell, or GPS
- Integrated controller, photodiode and GPS-based flash synchronization
- Universal power input
- Industry standard mounting hole footprint
- Field replaceable components include: LED Light Engine, LED Boards, Controller Board, GPS Antenna



Specifications

- Temperature: -40°F to +131°F (-40°C to +55°C)
- Humidity: Less than 95%, non-condensing
- Night Intensity: 2,000 ±25% effective candelas, Red 264 mW/sr (min), 800-900 nm, Infrared
- Beam Pattern: 360° Horizontal, ≥3° Vertical
- Flash Rate: 30 FPM Red Night
- Dimensions: Height: 7.9" (20 cm), Diameter: 15" (38.1 cm)
- Weight: 28 lb. (13 Kg)
- Suppression: 320 Joule, 150V & 600V Gas Tube; 45 Joule, 275V, All Dry-Contact Alarm
- Input Power: 120 to 240 VAC, 50 or 60 Hz, 30 VA average power, night mode at 77°F (25°C) 120 VAC

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