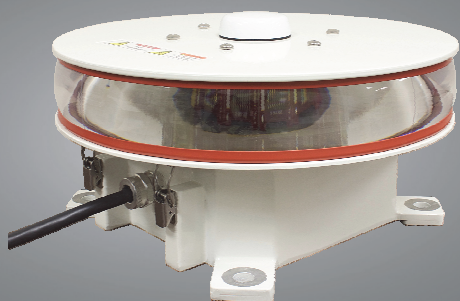


IFH-1910-0IR

Wind Turbine Obstruction Lighting System
Type L-864(L), Red LED with Infrared (IR)

WHERE ENGINEERING
MEETS PASSION.™



IFH-1910-0IR

DESCRIPTION

The **IFH-1910** 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

Specifications:	Complies with FAA AC150/5345-43, Type L-864(L) and Engineering Briefs EB-67 and EB-98.
Temperature:	-40°C to +55°C
Humidity:	Less than 95%, non-condensing
Night Intensity:	2,000 ±25% effective candelas
Beam Pattern:	360° Horizontal, ≥3° Vertical
Flash Rate:	30FPM Red Night
Dimensions:	Height: 7.9" (20cm), Diameter: 15" (38.1cm)
Weight:	28lbs (13Kg)
Suppression:	320 Joule, 150V & 600V Gas Tube 45 Joule, 275V, All Dry-Contact Alarm
Input Power:	120 to 240 Vac, 50 or 60 Hz, 13 W ¹ average power, night mode. 7 W ¹ average power over 24 hours ² . (Note 1: At 25°C, 120Vac) (Note 2: 12 Hours night mode, 12 Hours day mode)

Night Vision Goggles (NVG) and Aviator's Night Vision Imaging Systems (ANVIS) translate infrared energy (IR) into brightness variations on a human visible display. These systems utilize various filters and technology that affect their sensitivity to infrared energy (IR) of different wavelengths. International Tower Lighting, LLC (ITL) makes no claim or representation that the infrared energy (IR) emitted by ITL obstruction lights is visible to any NVG, ANVIS or other night vision imaging system. In no event shall International Tower Lighting, LLC (ITL) or any of its representatives be liable for any damages, including, without limitation, direct, consequential, indirect, punitive, incidental or special damages, in connection with the infrared energy (IR) emitted by ITL obstruction lights and/or whether any NVG or ANVIS can detect such Infrared energy (IR) or whether the infrared energy (IR) emitted by ITL obstruction lights is visible to any NVG, ANVIS or other night vision imaging system, regardless of the form of action.

