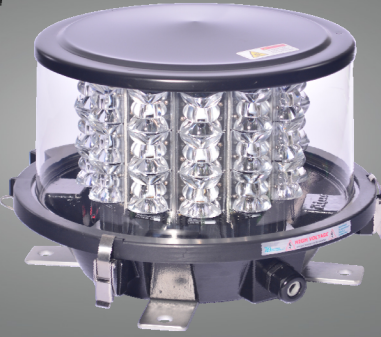


# IFH-1710-0IR

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

WHERE ENGINEERING  
MEETS PASSION.™



The IFH-1710-0IR utilizes Infrared Emitters, LED technology and advanced optics to achieve a complete red LED wind turbine obstruction lighting system. The IFH-1710 connects with a single cable for ease of installation and meets FAA AC 70/7460-1L requirements. GPS flash synchronization is a standard feature and is configurable to match the flash rates of competitors. The IFH-1710-0IR is designed for long term maintainability with field replaceable circuit boards, photocell and GPS.

## Features

- Integrated controller, photocell and GPS.
- Wireless GPS-based flash synchronization.
- Local interface for Aircraft Detection System (radar).
- Form-C dry contact alarm indicates failure of LED beacon, Photocell, or GPS.
- Flash rate adjustable for 20 or 30FPM.
- Duty cycle adjustable for 50% or 67%.
- Indicator lights for Beacon, Mode and GPS status.
- Fail-safe design turns the beacon on steady in the event of flasher failure.
- Universal power input.
- Industry standard mounting hole footprint.
- Modular, maintainable design.
- Field replaceable components include:
  - LED Light Engine      LED Boards
  - Power Supply Board    Controller Board
  - Photocell                GPS

## Specifications

Specifications	Complies with FAA AC150/5345-43H, Type L-864(L) and Engineering Brief 67. 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	20FPM or 30FPM Red Night, selectable
Dimensions	Height: 11" (27.7cm), Diameter: 16.5" (42cm)
Weight	28lbs (13Kg)
Suppression	320 Joule, 150V & 600V Gas Tube, Input Power 45 Joule, 275V, All Dry-Contact Alarm
Input Power	120 to 240 Vac, 50 or 60 Hz, 23W <sup>1</sup> average power, night mode. 13W <sup>1</sup> average power over 24 hours <sup>2</sup> . (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.

