FLIGHT LIGHT INC.®

ILS-1900-0IR
L-864(L) / L-810(L)

Medium Intensity Red LED with Infrared (IR) Aviation Obstruction Lighting Systems

Compliance
- ETL Certified AC150/5345-43, Type L-864(L), L-810(L)
- TVOC Transport Canada CAR 621

Applications
ILS-1900-0IR Red LED Obstruction Lighting Systems are complete control solutions for FAA Styles A0 and A1 through A6. Housed in a stainless steel enclosure, the controller can operate up to six L-864 LED flash heads or three tiers of L-810 LED Obstruction Lights. Multiple controllers can be used together for configurations requiring more than six L-864(L) flash heads. Eleven Form-C dry-contact alarm relays are available standard. Our MON-2682 wireless monitoring system seamlessly integrates to provide SNMP, HTTP, and ITL ADP™ communication.

Features
- Complete solution for FAA Style A0 and A1 to A6 towers. Multiple controllers can be used together for configurations requiring more than six L-864(L) flash heads.
- Flexible architecture allows any of the three channels to control two L-864(L) or up to four L-810(L) obstruction lights.
- MON-2682 Option for seamless integration of SNMP, HTTP and ITL ADP™ communication.
- Alarm Threshold Setup function provides automated determination of alarm points in the field.
- An RF Filter is integrated into each obstruction light control channel for broadcast applications.
- GPS Option for wireless flash synchronization of multiple obstruction lighting systems.
- One Form-C dry-contact Main Alarm provided for indication of any alarm condition.
- Door mounted Alarm Board provides an additional 10 Form-C dry-contact alarms.
- Manual Mode Override switch.
- Utilizes industry standard photocell to automatically turn on/off the lighting system when ambient light reaches FAA required levels.
- Built-in fusing for each channel and photoelectric cell (PEC).
- 120VAC and 230VAC International versions available.

Specifications
- Standards:
  - ETL Certified AC150/5345-43, Type L-864(L), L-810(L)
  - TVOC Transport Canada CAR 621
- Flash Head(s):
  - IFH-1900-0IR, L-864(L), up to two per channel
  - 2,000±25% effective candelas, red
  - 264 mW/sr (min), 800-900nm, infrared
  - 360° horizontal beam, ≥3° vertical beam
  - 120 Vac, 60Hz, 24VA each
  - Height: 11" (28 cm), diameter: 16.5" (42 cm)
  - 28 lb. (12.7 Kg) each
- Side Lights: MKR-LTG1-0IR, L-810(L), up to four per channel
- Controller:
  - RLC-1903-000
  - 120 Vac, 60Hz, 6VA each
  - 16.63" (42.2 cm) x 11.57" (29.4 cm) x 6.55" (16.6 cm)
  - 17 lb. (7.7 kg) each
- Alarm Relays: 120 / 230 Vac, 1 Amp
- PEC: 120 Vac, 50 / 60 Hz, 1VA
- Suppression:
  - 300 Joule, 275V, power & each control channel
  - 70 Joule, 275V, PEC
  - 45 Joule, 275V, All Dry-Contact Alarms
- Temperature: -40°F to +131°F (-40°C to +55°C)
- Humidity: Less than 95%, non-condensing