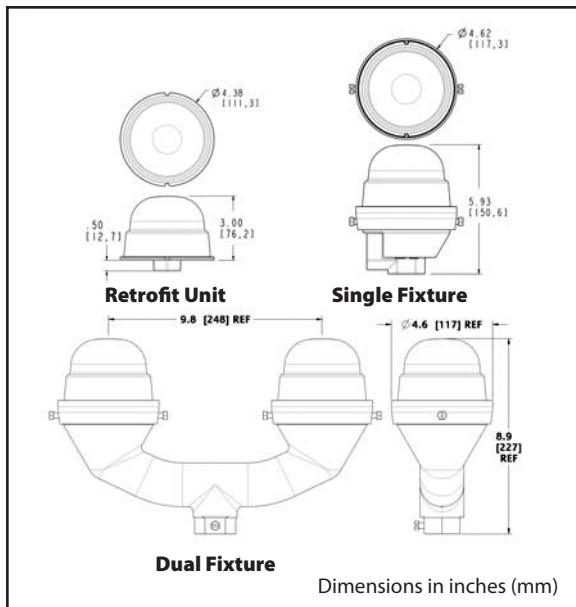


## Vigilant™ L-810 RTO Infrared (IR) LED Obstruction Lights

US Patents Pending



The Vigilant™ Series L-810 RTO Infrared (IR) obstruction light from Dialight incorporates both Red and IR LEDs in a single unit to ensure visibility around military bases, airfield perimeters, buildings, towers, and other obstructions for aircraft pilots, both during normal flight or when aided by night vision systems. Night Vision Goggles (NVGs) and Aviator's Night Vision Imaging System (ANVIS) often employ Class A, B, and C filters. These filters can reduce LED sources that emit light in the visible spectrum. The Vigilant IR Series overcomes this obstacle by combining visible red LEDs and IR LEDs in a single unit.



The Dialight Vigilant RTO Series obstruction light utilizes a unique optical, electrical, and mechanical design. The RTO is the most universal, compact, and efficient obstruction light in the world. These products have been ETL Certified to the FAA requirements. Also available as a single fixture for direct replacement of incandescent lamp/lens technology.

### Features & Benefits

- Available in 120-240 VAC and 12-48 VDC
- Simple retro-fit using existing wiring and housing
- Weather/corrosion resistant lamp assembly and housing
- Self-contained wiring compartment eliminates additional boxes
- Threaded 1" and 3/4" bottom hub for mounting
- Can be operated steady or flashed
- Uses 95% less energy than incandescent
- 5 year warranty
- Resistant to shock and vibration
- IP65 / IP66 / NEMA 4X

**Certified to: FAA AC NO: 150/5345-43F**

**FAA Engineering Brief No. 67**

**Qualified By: Intertek ETL**

continued on back

# Vigilant™ L-810 RTO Infrared (IR) LED Obstruction Lights

continued from front



## Container Specifications

Container Dimensions:

Retro Unit 7.60" x 5.25" x 5.75"  
 193mm x 133mm x 146mm

Single Unit 7.60" x 5.25" x 5.75"  
 193mm x 133mm x 146mm

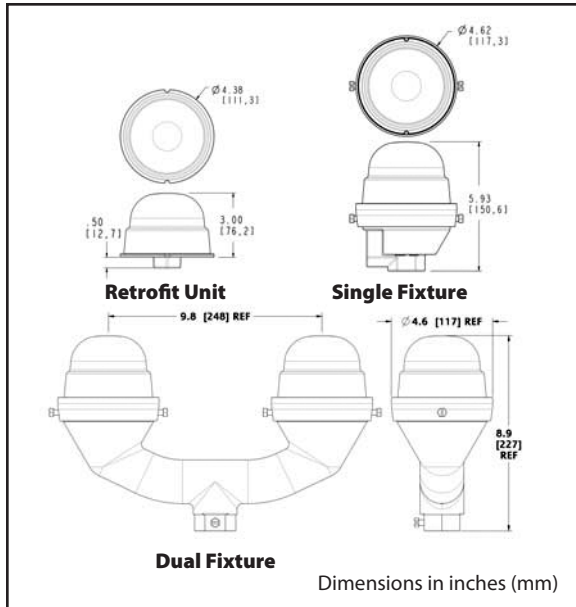
Dual Unit 18.6" x 12.5" x 6.40"  
 472mm x 318mm x 163mm

Container Weight:

Retro Unit 1.25 lbs

Single Unit 2.00 lbs

Dual Unit 4.60 lbs



## Electrical Specifications

Supply Voltage Ranges: Nominal +/- 10%

Nominal Input Power:

5.5W (FAA 120–240 VAC Units)

5.0W (FAA 12–48 VDC Units)

Peak IR Intensity: 860 nanometers

Power Factor: >0.9 (All AC units)

Operating Temp: -40°F to +131°F (-40°C to +55°C)

## Order Codes

RTOCR07001 Single fixture 120–240 VAC

RTOCR08001 Single fixture 12–48 VDC

RTOCR07002 Dual fixture 120–240 VAC

RTOCR08002 Dual fixture 12–48 VDC

RTOCR07004 Single retro-fit fixture 120–240 VAC

RTOCR08004 Single retro-fit fixture 12–48 VDC

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