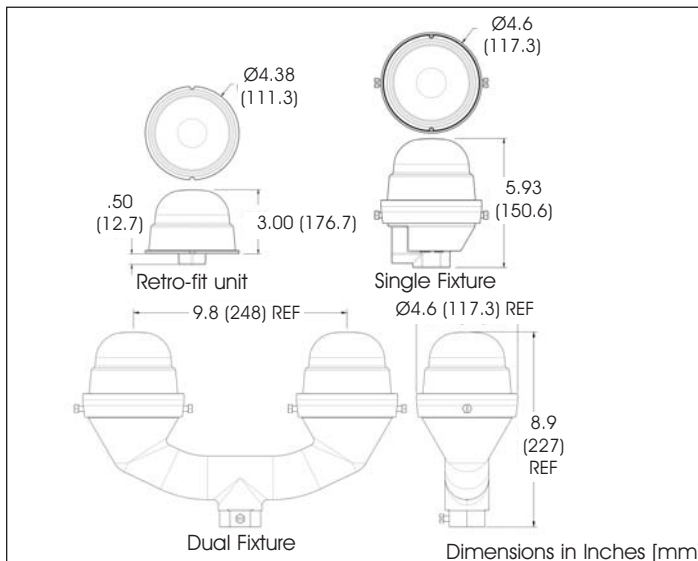


Dialight



Patents Pending

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



Certifications & Ratings:

- ▷ FAA AC NO: 150/5345-43F
- ▷ FAA Engineering Brief No. 67
- ▷ Qualified by Intertek ETL

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

The Dialight Vigilant™ Series L-810 RTO Infrared (IR) obstruction light 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.

Mechanical Information:

Container Dimensions: 7.60" x 5.25" x 5.75" (Retro Unit)
193mm x 133mm x 146mm

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

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

Container Weight: 1.25lbs (Retro Unit)
2.00lbs (Single Unit)
4.60lbs (Dual Unit)

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 nano meters

Power Factor: >0.9 (All AC units)

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

Order Codes:

Part Number	Description	Voltage
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

Dialight reserves the right to make changes at any time in order to supply the best product possible.

The most current version of this document will always be available at:
www.dialight.com/Assets/Brochures_And_Catalogs/Signaling/MDTFCVSLIRX001.pdf