

RTO

L-810 Integrated Infrared LED Obstruction Light

Compliances & Ratings: FAA AC 150/5345-43J | FAA Engineering Brief No. 67 | Qualified by Intertek ETL | IP 65 / IP66 / NEMA 4X
Transport Canada CAR 621 | DGAC Mexico | ICAO type B & E



Application

The 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 to aircraft pilots, both during normal flight and 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 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.

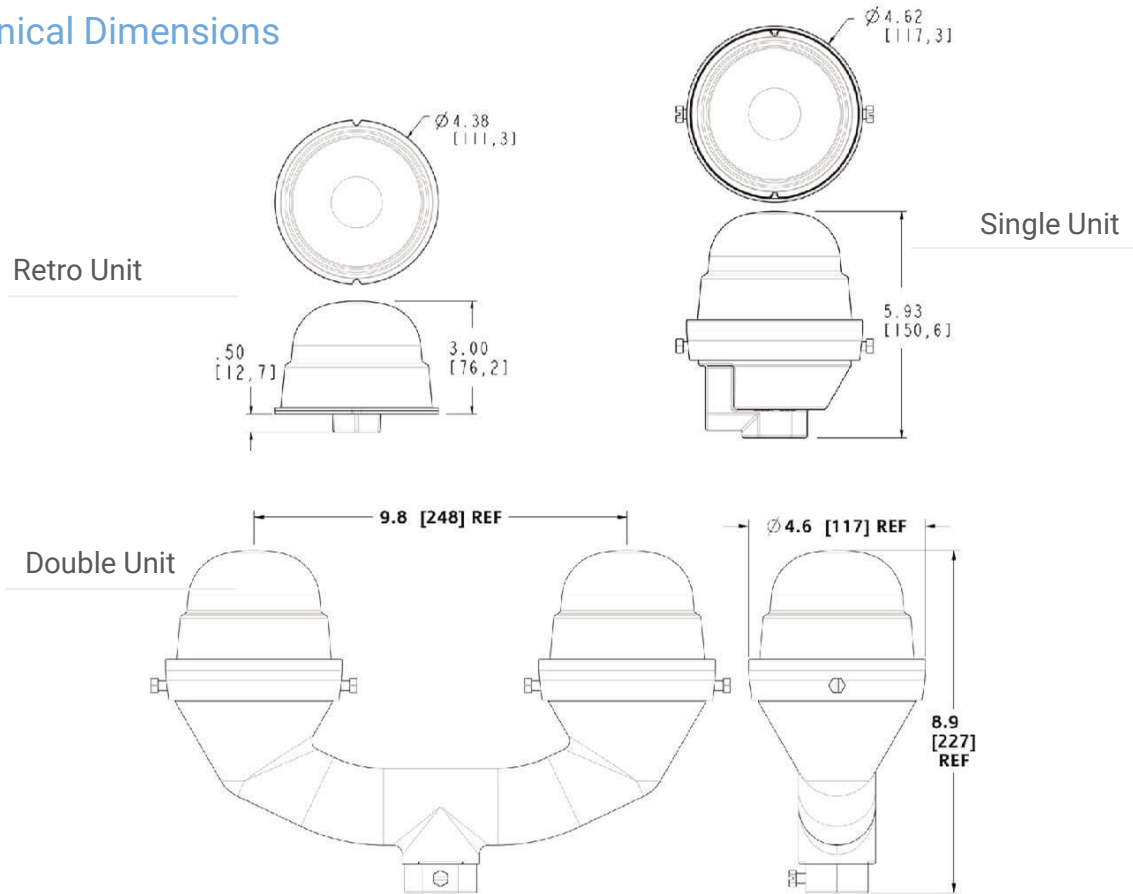
Specifications

Supply Voltage Ranges	Nominal ± 10%
Power Factor	>0.9 (all AC units)
Nominal Input Power	5.5W (120-277 VAC FAA version) 5.0W (24-48 VDC, FAA version)
Peak IR Intensity	860 nano meters
Operating / Storage Temp	-40° F to +131° F (-40° C to +55° C)

Key Features

- Available in 120-240 VAC; and 24-48 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 ¾" bottom hub for mounting
- Can be operated steady or flashed
- Uses 95% less energy than incandescent
- 5 year warranty
- Resistant to shock and vibration

Mechanical Dimensions



Weights and Measurements

Model	Shipping Wt	Container Dimensions
Retro Unit	1.25 Lbs	7.60" x 5.25" x 5.75" (193mm x 133mm x 146mm)
Single Unit	2.00 Lbs	7.60" x 5.25" x 5.75" (193mm x 133mm x 146mm)
Double Unit	4.60 Lbs	18.6" x 12.5" x 6.40" (472mm x 318mm x 163mm)

Ordering Information

Part Number	Description	Input Voltage
12004-RTO-CR27-001	Single Fixture	120-240 VAC
12004-RTO-CR27-002	Double Fixture	120-240 VAC
12004-RTO-CR27-004	Single Retro-Fit Fixture	120-240 VAC
12004-RTO-CR28-001	Single Fixture	12-48 VDC
12004-RTO-CR28-002	Double Fixture	12-48 VDC
12004-RTO-CR28-004	Single Retro-Fit Fixture	12-48 VDC