

# Dialight



## Meets:

FAA AC NO: 150/5345-43F  
 FAA Engineering Brief No. 67  
 ICAO Annex 14, 4th Edition, July 2004  
 ICAO Aerodromes Design Manual, Chapter 18  
 Canadian Aviation Regulation CAR 621.9  
 Nachrichten für Luffahrer Teil I Langen, 6. Januar 2005  
 German Air Traffic Control Notices For Pilots Part I 6, January 2005

## Qualified By:

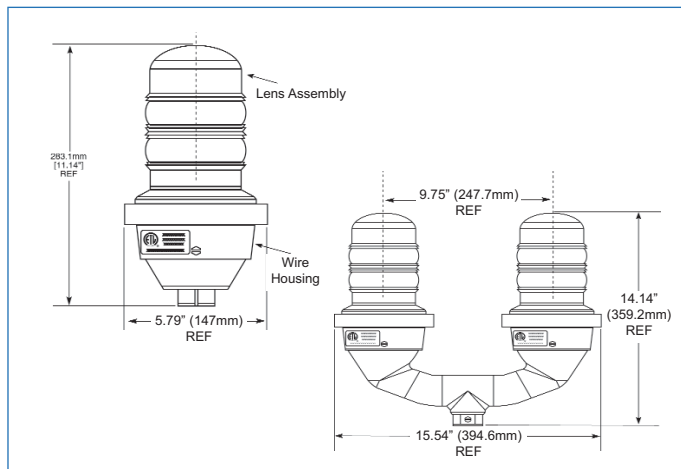
Intertek ETL  
 Lighting Sciences Canada

Patents Pending

## Vigilant™ L-810 860 Series Red LED Obstruction Lights

### Order codes:

860-1R01-001	Single Fixture, FAA, 120 VAC
860-1R03-001	Single Fixture, FAA, 12 VDC
860-1R04-001	Single Fixture, FAA, 48 VDC
860-1R05-001	Single Fixture, FAA, 24 VDC
860-1R02-001	Single Fixture, 230 VAC
860-5R02-001	Single Fixture, ICAO, 230 VAC, 10 cd
860-1R02-001-EU	Single Fixture, European Ver, 230 VAC
860-4R02-001-EU	Single Fixture, European Ver, 230 VAC, 50cd
860-1R01-002	Dual Fixture, FAA, 120 VAC
860-1R03-002	Dual Fixture, FAA, 12 VDC
860-1R04-002	Dual Fixture, FAA, 48 VDC
860-1R05-002	Dual Fixture, FAA, 24 VDC
860-1R02-002	Dual Fixture, 230 VAC
860-5R02-002	Dual Fixture, ICAO, 230 VAC, 10 cd
860-6R01-002	Dual Fixture, TC, 120 VAC
860-7R02-002	Dual Fixture, CASA, 230 VAC, 100 cd
860-1R02-002-EU	Dual Fixture, European Ver, 230 VAC
860-4R02-002-EU	Dual Fixture, European Ver, 230 VAC, 50cd



Dimensions in Inches [mm]

### Features & Benefits:

- ▷ Available as a single or dual unit
- ▷ Available in 12VDC, 24VDC, 48VDC, 120VAC, and 220VAC versions (50 or 60HZ)
- ▷ Unique optically designed lens to enhance LED operation and provide 360° visibility
- ▷ 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 (controller not supplied)
- ▷ 5 year warranty
- ▷ Resistant to shock and vibration
- ▷ IP 65 / IP 66 / NEMA 4X rated

### Application:

The Dialight Vigilant™ 860 series is the FAA type L810 red LED obstruction light. Designed for steady burning, this fixture is used to mark any obstacle that may present hazards to aircraft navigation. The US patent office has issued patent number 6,425,678 B1 for this series.

**Container Dimensions:** 16.0" x 9.0" x 8.0" (Single Unit)  
 406mm x 229mm x 203mm

22.0" x 17.0" x 9.0" (Dual Unit)  
 559mm x 432mm x 229mm

**Container Weight:** 7.14lbs (Single Unit)  
 16.06lbs (Dual Unit)

**Supply voltage ranges:** Nominal +/- 10%

**Watts (Typ):**  
 15 / 120mA (120 VAC Units)  
 16 / 120mA (230 VAC Units - 60 Hz)  
 16 / - (230 VAC Units - 50 Hz)  
 24 / 2.0A (12 VDC Units - Standard)  
 8 / .62A (12 VDC Units - Low wattage)  
 20 / 920mA (24 VDC Units)  
 13 / 2175mA (48 VDC Units)

**Power Factor:** .2 (FAA - 120 VAC Units)  
 .17 (FAA - 230 VAC Units - 60 Hz)

**Operating Temp:** -67°F to +131°F (-55°C to +55°C)