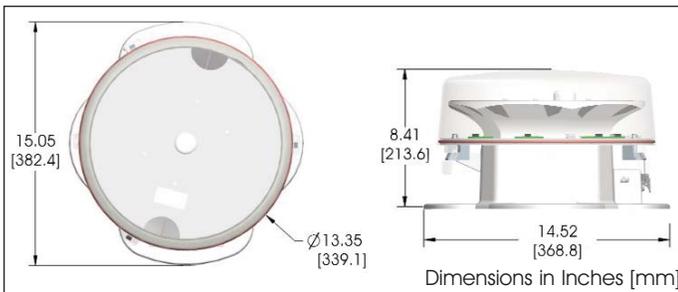




US Patents # 7,281,821 and #7,568,821 other patents pending

## Vigilant® L-864 Infrared (IR) LED Based Medium Intensity Red Beacon

for use with Aviator Night Vision Goggles



### Certifications & Ratings

- FAA AC NO: 150/5345-43F
- FAA Engineering Brief No. 67
- IP66 rated

### Qualified By

- Intertek ETL

### Compliant to:

- ICAO Annex 14, 5th Edition, July 2009
- ICAO Aerodromes Design Manual, Chapter 18
- Canadian Aviation Regulation CAR 621.19 (Transport Canada)

### Features & Benefits

- 5 year full performance warranty
- Rugged all metal base
- Resistant to shock and vibration
- Patented optics with sharp beam cutoff
- Minimum ground scatter providing community a friendly light pattern
- High impact polycarbonate lens
- Specialized lens coating providing superior UV, scratch, and chemical resistance
- Factory sealed for IP66 rated ingress protection
- Extremely low RF interference
- Light module detachable from base for easy replacement at end of life

### Application:

The Dialight Vigilant L-864 Infrared (IR) LED based medium intensity obstruction light incorporates both Red and IR LEDs in a single unit. These lights 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 the responsivity to light in the visible spectrum. The Vigilant IR overcomes this obstacle by combining visible red LEDs and IR LEDs in a single unit.

The Dialight Vigilant L-864 utilizes a unique optical, mechanical, and electrical design. This allows for efficient, low-power product with minimal ground scatter. The D464 has extremely low RF interference and is ideal for the most difficult environments, including "hot" AM towers.

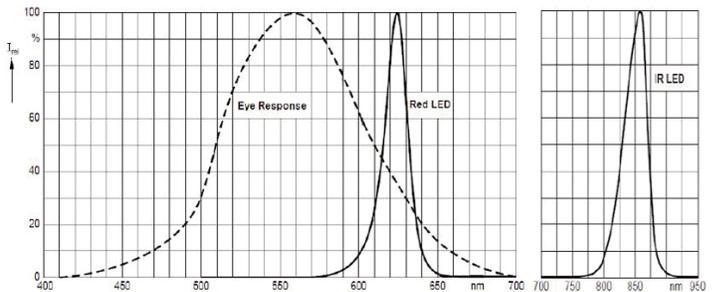
<b>Unit Weight:</b>	20lbs (9Kg)
<b>Operating Voltage:</b>	Universal 120-240 VAC 50/60Hz power factor corrected supply
<b>Effective Intensity:</b>	2,000 cd
<b>Wattage:</b>	40W Rated (steady burn)
<b>IR Intensity<sup>1</sup>:</b>	9000 mW/sr at 860 nm
<b>Operating Temp:</b>	-40°F to +131°F (-40°C to +55°C)
<b>Power Factor:</b>	>0.9

### Order code:

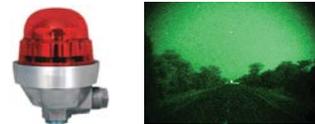
Part Number	Description
D464-R13-001	120 - 240 VAC FAA Infrared (IR)

### Infrared (IR) Spectrum

Provides improved visibility while using night vision goggles



### Dialight also offers this L-810 Infrared (IR) LED obstruction light



Vigilant® L-810  
Infrared (IR) LED Obstruction Lights  
for use with aviator night vision goggles

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/mdtf464irx001.pdf](http://www.dialight.com/assets/brochures_and_catalogs/signaling/mdtf464irx001.pdf)

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<sup>1</sup>Disclaimer: Night Vision Goggles (NVG) and Aviator Night Vision Imaging Systems (ANVIS) sense infrared (IR) light at various wavelength ranges. Accordingly, Dialight makes no claim or representation that the IR light emitted by the Vigilant L-864 is visible to any make or model of any NVG or ANVIS. In no event shall Dialight or any of its representatives be liable for any damages, including, without limitation, direct, consequential, indirect, punitive, incidental or special damages, in connection with the IR light emitted by the Vigilant L-864 and/or whether any NVG or ANVIS can sense such IR light or whether the IR light emitted by the Vigilant L-864 is visible to any NVG or ANVIS, regardless of the form of action.