Vigilant® LED Strobe
Medium Intensity (White/Red)

Certifications & Ratings
- 5 year warranty
- FAA AC 150/5345-43H
- FAA AC 70/7460-1L
- FAA Engineering Brief 67D
- ICAO Annex 14
- Transport Canada CAR 621.19
- ROM
- CE

Dimensions in inches [mm]

Mechanical Information:
- Weight: 21 lbs (9.5 kg)
- Mounting Details: Standard FAA 3 hole & 4 hole pattern
- Impact Rating: IK10
- Protection Rating: IP66
- Included Hardware: 1/2” NPT cable gland, mounting kit (bolts, nuts, etc.)
- Cable Entry Size: 1/2" NPT
- Aerodynamic Wind Area: 0.6 ft²

Electrical Specifications:
- Operating Temperature: -40°F to +131°F (-40°C to +55°C)
- Power Factor: > 0.9
- Power Consumption:
  - Day (White): 36 W (System = 75 W)
  - Night (White): 4 W (System = 10W)
  - Night (Red): 12 W (System = 25 W)
  - Night (Red-IR Model): 15 W (System = 28 W)
- Input Current: 120-277 VAC, 50/60 Hz (1.6 A peak)
  48 VDC (2.2 A peak)

Construction:
- Housing Material: Powder coated, copper-free, marine grade aluminum
- Lens Hardware: Polycarbonate, UV stabilized & hard coated
- Mounting (Two Sets): Hot dipped galvanized & stainless steel
- Latches: Stainless steel

Photometric Information:
- Flash Intensity (nominal):
  - Day (White): 20,000 cd
  - Night (White): 2,000 cd
  - Night (Red): 2,000 cd
  - IR Wavelength: 850nm
- Flash Rate:
  - Day (White): 40 flashes per min.
  - Night (White): 40 flashes per min.
  - Night (Red): 20/30/40 flashes per min.
  - IR Pulse Rate: 20/30/40 flashes per min.

Expected Lamp Life: 100,000 hours (approx. 10 years)

All values typical unless otherwise stated (tolerance +/- 10%)
Vigilant® LED Marker
Low Intensity (Red)

Certifications & Ratings
- 5 year warranty
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FAA L-810 / ICAO Low Type B+E

Mechanical Information:
- Weight:
  - Single unit: 2.00 lbs (0.91 kg)
  - Dual unit: 4.60 lbs (2.09 kg)
- Mounting Details: NPT 3/4" and 1" NPT
- Impact Rating: IK10
- Protection Rating: IP66
- Included Hardware: 1" NPT plug
- Cable Entry Size: NPT 3/4" and 1" NPT
- Aerodynamic Wind Area: 0.15 ft²

Electrical Specifications:
- Operating Temperature: -40°F to +131°F (-40°C to +55°C)
- Power Factor: > 0.9
- Power Consumption:
  - Standard
    - Single & Dual Units - 1.5W nominal (DC version)
    - 6.5W nominal (AC version)
  - IR Models
    - Single & Dual Units - 5.0 W (DC version)
    - 5.5 W (AC version)
- Input Current:
  - 120-240 VAC, 50/60 Hz (55mA nominal)
  - 12-48 VDC (63mA nominal)

Photometric Information:
- Flash Intensity (nominal):
  - Night (Red): 32 cd
  - IR Wavelength: peak @ 850nm
- Flash Rate:
  - Night (Red): 20/30/40 flashes per min
  - IR Pulse Rate: 20/30/40 flashes per min
- Expected Lamp Life: 100,000 hours (approx. 10 years)

*Can also operate as steady burn

All values typical unless otherwise stated (tolerance +/- 10%)
Vigilant® LED Controller
Medium Intensity (White/Red)

Controller:

- **Weight:** 49.5 lbs (22.5 kg)
- **Operating Temperature:** -40°F to +131°F (-40°C to +55°C)
- **Protection Rating:** IP66, NEMA 4X
- **Material:** Powder coated, copper-free, marine grade aluminum
- **Cable Entry:** Size: 3/4" NPT
  Number of openings: 6
- **Included Hardware:** 3/4" NPT cord grips & plugs
- **Configurable Options:** Set the Tower Style ex. E2
  Flash rates
  Conduct lighting
  Inspections

All values typical unless otherwise stated (tolerance +/- 10%)
Light Output Charts

Medium Intensity Dual Strobe - White Day

Medium Intensity Dual Strobe - White/Red Night
Light Output Charts

Low Intensity (Red) Beacon

Infrared Wave Length
## Ordering Information

### Flash Head (L-864/ L-865)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1RWFH409</td>
<td>Dual Red/White Medium Intensity Flash Head</td>
</tr>
<tr>
<td>D1CWFH409</td>
<td>Dual Red/White Medium Intensity Flash Head w/ IR*</td>
</tr>
</tbody>
</table>

### Side Markers (L-810)

<table>
<thead>
<tr>
<th>Input</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-48 VDC</td>
<td>RTO1R18001</td>
<td>L-810 Low Intensity Side Marker: DC Input</td>
</tr>
<tr>
<td>12-48 VDC</td>
<td>RTOCR08001</td>
<td>L-810 Low Intensity Side Marker w/ IR: DC Input*</td>
</tr>
<tr>
<td>120-240 VAC</td>
<td>RTO1R07001</td>
<td>L-810 Low Intensity Side Marker: AC Input</td>
</tr>
<tr>
<td>277 VAC</td>
<td>RTO1R06001</td>
<td>L-810 Low Intensity Side Marker: AC Input</td>
</tr>
<tr>
<td>120-240 VAC</td>
<td>RTOCR07001</td>
<td>L-810 Low Intensity Side Marker w/ IR: AC Input*</td>
</tr>
</tbody>
</table>

### Controllers

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<thead>
<tr>
<th>Input</th>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>48 VDC</td>
<td>D1RWCTR449</td>
<td>Dual Red/White Medium Intensity Controller: DC Input</td>
</tr>
<tr>
<td>48 VDC</td>
<td>D1CWCTR449</td>
<td>Dual Red/White Medium Intensity Controller w/ IR: DC Input</td>
</tr>
<tr>
<td>120-277 VAC</td>
<td>D1RWCTR409</td>
<td>Dual Red/White Medium Intensity Controller: AC Input</td>
</tr>
<tr>
<td>120-277 VAC</td>
<td>D1RWCTR409GPS</td>
<td>Dual Red/White Medium Intensity Controller GPS: AC Input</td>
</tr>
<tr>
<td>120-277 VAC</td>
<td>D1CWCTR409</td>
<td>Dual Red/White Medium Intensity Controller w/ IR: AC Input</td>
</tr>
</tbody>
</table>

### Power Supply

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<thead>
<tr>
<th>Input</th>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>48 VDC</td>
<td>D1RWPS9449</td>
<td>Dual Red/White Medium Intensity Power Supply: DC Input</td>
</tr>
<tr>
<td>48 VDC</td>
<td>D1CWPS9449</td>
<td>Dual Red/White Medium Intensity Power Supply w/ IR: DC Input</td>
</tr>
<tr>
<td>120-277 VAC</td>
<td>D1RWPS9409</td>
<td>Dual Red/White Medium Intensity Power Supply: AC Input</td>
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<tr>
<td>120-277 VAC</td>
<td>D1CWPS9409</td>
<td>Dual Red/White Medium Intensity Power Supply w/ IR: AC Input</td>
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</table>

### Photocell

<table>
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<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>D2566000PEC</td>
<td>Photocell: Single 3/4&quot; NPT Entry</td>
</tr>
<tr>
<td>D2566001PEC</td>
<td>Photocell: Double 3/4&quot; NPT Entry (for use with GPS Antenna)</td>
</tr>
</tbody>
</table>

### GPS Antenna

<table>
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<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>D1RWANT01</td>
<td>GPS Antenna</td>
</tr>
</tbody>
</table>

*Optically compliant to FAA Engineering Brief 98*
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