**Vigilant® LED Bulkhead**

**100-277 VAC Model**

**Mechanical Information:**

- **Fixture weights:**
  - Standard models: 6.3 kg (13.8 lb)
  - Battery backup models: 7.7 kg (17 lb)

- **Shipping weights:**
  - Standard models: 7 kg (15.4 lb)
  - Battery backup models: 8.4 kg (18.5 lb)

- **Cable entry:**
  - (2) M20 - optional (4) M20

**Materials:**

- **Housing:** A360 Die-cast aluminium
- **Finish:**
  - Superior dual coat finish
  - Sealed polyester topcoat
  - Epoxy primer
- **Lens:**
  - Polycarbonate clear
  - Polycarbonate diffused (optional)
- **Hardware:**
  - 316 Stainless Steel

**Electrical Specifications:**

- **Operating voltage:**
  - Standard models: 100-277 VAC / 120-250 VDC
  - Battery backup models: 230/240 VAC

- **Operating temperature:**
  - Standard models: -40°C to +65°C (-40°F to +149°F)
  - Battery backup models: -20°C to +55°C (-4°F to +131°F)

- **Surge protection:**
  - Tested to IEC 61000-4-5
  - 6kV/3kA, 1.2/50, 8/20us Combination Wave
  - Line-line and line-ground

- **THD:** < 18%
- **Power factor:** > 0.9
- **Dimming:**
  - DALI 1.0 and 2.0
  - 0-10 VDC continuous dimming to <10%

**Battery Backup Models:**

- **Battery duration** (circular optic, clear lens):
  - 6.5k lumen outputs: 180 mins ~ 900 lm
    - 90 mins ~ 1100 lm
    - 60 mins ~ 1140 lm
  - 3k lumen outputs: 180 mins ~ 800 lm
    - 90 mins ~ 1100 lm
    - 60 mins ~ 1140 lm

- **Expected battery life:** 4 years

**Photometric Information:**

- **Lumen output**: 3,000 & 6,500 lm (white light)
- **CRI**: > 80 (white light)
- **CCT**:
  - 5000K (cool white)
  - 4000K (neutral white)

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

- * @ 25°C ambient

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**Certifications & Ratings**

- 10 year warranty
- CE
- IP66/67
- IK10
- L70 > 150,000 hours @ 65°C (149°F) ambient

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**Dimensions in mm (inches):**

- 350 [13.8]
- 118 [4.6]
- 220 [8.7]
### Ordering Information

**Vigilant® LED Bulkhead**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>CCT</th>
<th>Lens</th>
<th>Beam Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Models with Flush Bracket</strong></td>
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<td><strong>Battery Backup Models with Flush Bracket</strong></td>
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Part numbers listed in **bold** are typically available in stock.
All models shown in table are 5000K (cool white) CCT. For 4000K (neutral white) CCT please contact your local representative for more information.

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Vigilant® LED Bulkhead
Pole Mount Model

Certifications & Ratings
- 10 year warranty
- CE
- IP66/67
- IK10
- L70 > 150,000 hours @ 65°C (149°F) ambient

Mechanical Information:

Fixtures weights:
- Standard models: 8.1 kg (17.9 lb)
- Battery backup models: 9 kg (19.7 lb)

Shipping weights:
- Standard models: 8.8 kg (19.4 lb)
- Battery backup models: 9.7 kg (20.4 lb)

Cable entry: (1) M25

Spigot entry size: 35mm ID

Materials:
- Housing: A360 Die-cast aluminium
- Finish: Superior dual coat finish
- Lens: Polycarbonate clear
- Polycarbonate diffused (optional)
- Hardware: 316 Stainless Steel

Electrical Specifications:
- Operating voltage:
  - Standard models: 100-277 VAC / 120-250 VDC
  - Battery backup models: 230/240 VAC
- Operating temperature:
  - Standard models: -40°C to +65°C (-40°F to +149°F)
  - Battery backup models: -20°C to +55°C (-4°F to +131°F)
- Surge protection:
  - Tested to IEC 61000-4-5
  - 6kV/3kA, 1.2/50, 8/20us
  - Combination Wave
  - Line-line and line-ground
- THD: < 18%
- Power factor: > 0.9
- Dimming:
  - DALI 1.0 and 2.0
  - 0-10 VDC continuous dimming to <10%
- Battery duration* (circular optic, clear lens):
  - 6.5k lumen outputs:
    - 180 mins – 900 lm
    - 90 mins – 1100 lm
    - 60 mins – 1140 lm
  - 3k lumen outputs:
    - 180 mins – 800 lm
    - 90 mins – 1100 lm
    - 60 mins – 1140 lm
- Expected battery life: 4 years

Photometric Information:
- Lumen output*:
  - 3,000 & 6,500 lm (white light)
- CRI: > 80 (white light)
- CCT: 5000K (cool white)
  - 4000K (neutral white)
- All values typical unless otherwise stated (tolerance +/- 10%)
  - @ 25°C ambient

Dimensions in mm (inches)

220 [8.7]
350 [13.8]
559 [22.0]
118 [4.6]

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www.dialight.com
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Accessories

Please consult local Dialight sales office for availability.

**BH-BRKT-SS-ADJ**
- 316 stainless steel adjustable bracket kit

**BH-BRKT-A-KIT**
- 316 stainless steel wall/ceiling flush mount bracket kit

**BH-BRKT-F-KIT**
- 316 stainless steel wall/ceiling flush mount bracket kit

**BH-STMB-05-10-HD**
- Aluminium stanchion mount, 5° up-tilt - 50mm pole

**BH-STMB-25-10-HD**
- Aluminium stanchion mount, 25° up-tilt - 50mm pole

**BH-STMB-45-10-HD**
- Aluminium stanchion mount, 45° up-tilt - 50mm pole

**BH-BRKT-LG-PF**
- Aluminium pipe mount bracket kit - 50mm

**HZG-SPIGOT-34**
- Aluminium wall mount spigot plate - 34mm

**H6XCAB72**
- 72” stainless steel safety rope
Beam Distribution

Circular - Clear

Circular - Diffused

Ultra-Wide Walkway (Type 1) - Clear

Ultra-Wide Walkway (Type 1) - Diffused
Thermal Roll-Off

Inrush Current / Circuit Breakers

<table>
<thead>
<tr>
<th>Output</th>
<th>In rush (A) current @ input voltage</th>
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<tbody>
<tr>
<td></td>
<td>100 VAC Duration (MS)</td>
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<tr>
<td>6,500</td>
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<tr>
<td>3,000</td>
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<table>
<thead>
<tr>
<th>Output</th>
<th>GND Leakage (mA) input voltage</th>
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<tr>
<td></td>
<td>100 VAC</td>
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<td>6,500</td>
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<tr>
<td>3,000</td>
<td>0.5</td>
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## Lumen Maintenance Factor

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<th>30000</th>
<th>45000</th>
<th>60000</th>
<th>75000</th>
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<th>100000</th>
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<td>96%</td>
<td>95%</td>
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<td>30°C</td>
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<td>35°C</td>
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Based on 9,000 hour LM80 data

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<th>Ambient Temperature</th>
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<th>30000</th>
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<th>75000</th>
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<th>100000</th>
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</tbody>
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Based on 9,000 hour LM80 data

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Dimming Curves

**DALI Dimming**

- 6,500lm
- 3,000lm

**0-10V Dimming**

- 6,500lm
- 3,000lm

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