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Vigilant® LED Bulkhead
100-277 VAC Model

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

Dimensions in mm (inches)

Mechanical Information:

Fixure 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)

* @ 25°C ambient

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

www.dialight.com
# Ordering Information

**Vigilant® LED Bulkhead**

### Australia

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### Battery Backup Models with Flush Bracket

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www.dialight.com
Vigilant® LED Bulkhead
Pole Mount Model

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

Dimensions in mm (inches)

Mechanical Information:
- Fixture 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
  - 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 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 ~ 600 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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www.dialight.com
## Ordering Information

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www.dialight.com
**Accessories**

- **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-BRKT-LG-PF**: Aluminium pipe mount bracket kit - 50mm
- **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
- **HZG-SPIGOT-34**: Aluminium wall mount spigot plate - 34mm
- **H6XCAB72**: 72” stainless steel safety rope

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

#### Vigilant Bulkhead 6,500lm

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<th>45000</th>
<th>60000</th>
<th>75000</th>
<th>90000</th>
<th>100000</th>
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<tbody>
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<td></td>
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<td>98%</td>
<td>96%</td>
<td>95%</td>
<td>93%</td>
<td>92%</td>
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<td>92%</td>
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Based on 9,000 hour LM80 data

#### Vigilant Bulkhead 3,000lm

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Based on 9,000 hour LM80 data

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Dimming Curves

DALI Dimming

6,500lm

![Graph showing DALI Dimming for 6,500lm](image)

3,000lm

![Graph showing DALI Dimming for 3,000lm](image)

0-10V Dimming

6,500lm

![Graph showing 0-10V Dimming for 6,500lm](image)

3,000lm

![Graph showing 0-10V Dimming for 3,000lm](image)
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Fax: +61 (0) 8 9244 7601
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