Reliant™ High Bay

Certifications & Ratings
- 10 year warranty
- CE
- RCM
- IP66
- L70 rated for >100,000 hours @ 55°C
- L90 rated for >100,000 hours @ 25°C

Dimensions in mm

Mechanical Information:
- Fixture weight: 9.3 kg
- Shipping weight: 12 kg
- Box dimensions: 515 x 515 x 350mm

Mounting:
- Mounting: 304 stainless steel mounting bracket

Electrical Specifications:
- Operating voltage: 100-277 VAC 50/60Hz
- Operating temperature: -40°C to +55°C
- Total system power consumption: See ordering table
- EMC: EN 55015, IEC 61000-3-3, IEC 61547, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5, IEC 61000-4-8, IEC 61000-4-11
- Transient protection: 6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
- THD: IEC 55015 <20% @ 100-277 VAC
- Harmonics: IEC 61000-3-2, Class C
- Power factor: >0.9 @ 100-277 VAC
- Dimming: DAri 1.0 and 2.0, 5% 0-10 VDC continuous dimming + 5% Wireless dimming via Dialight IntelliLED controls to 5%
- Cable entry: (3) M20 1.8m cable & plug (Australia only)
- Terminals: 5 position, 0.5-4 mm²

Materials:
- Housing: Polycarbonate (upper) Aluminum (lower)
- Lens: Acrylic Polycarbonate & glass options available
- Hardware: 304 stainless steel
- Hook: 304 stainless steel
- Fixture finish: Superior dual coat finish - sealed polyester topcoat - epoxy primer
- Gaskets: Santoprene
- Wiring box: EPDM

Photometric Information:
- CRI: 80
- CCT: 4000K (neutral white) 5000K (cool white)

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

Please reference spec sheet at www.dialight.com for all High Bay technical information.

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.
# Reliant™ High Bay

## Ordering Information - Australia

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumen</th>
<th>Wattage</th>
<th>lm/W</th>
<th>CCT</th>
<th>Lens</th>
<th>Beam Distribution</th>
<th>Mounting</th>
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<td>156</td>
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## Ordering Information - Asia

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<th>CCT</th>
<th>Lens</th>
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<td>Hook</td>
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</table>

All values typical unless otherwise stated (tolerance +/- 10%).
The above Reliant™ High Bay part numbers require the IntelliLED node or the occupancy sensor part number to be added, for large quantities these can be factory fitted.

IntelliLED™ wireless controls can be easily added to the Reliant™ High Bay with the use of a wireless control card:

**RR-WIRELESS-1**
- IntelliLED wireless control

Please reference spec sheet at www.dialight.com for all High Bay technical information.

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Our state-of-the-art, highly efficient Vigilant® High Bay fixture can communicate wirelessly with all components in the IntelliLED™ system.

**Certifications & Ratings**
- 10 year warranty
- IP66/67
- EN 60598-1:2015
- EN 60598-2-1 (ed.1), IEC 60598-2-1 (ed.8)
- EN 60598-2-24:2013
- EN 62471:2008
- EN 62778:2014
- EN 301 489-1 V2.1.1
- EN 61000-3-3:2013
- EN 301 489-17 V3.1

**Technical Specifications:**
- **Fixture weight:** 12.7 kg (28 lbs)
- **Shipping weight:** 15.9 kg (35 lbs)
- **Operating voltage:** 100-277 VAC, 120-250 VDC
- **Operating temp:** -40°C to +65°C (-40°F to +149°F)
- **Harmonics:** IEC 61000-3-2
- **Noise requirement /EMC:** EN 61547: 2009 Radiated and Conducted Emissions: EN 55015
- **Transient protection:** Protection devices capable of handling up to 10kv. Tested for 10kv/2 ohm combination wave, as per IEEE C62.41, line-line and line ground
- **THD:** <20%
- **Power factor:** > 0.9
- **Fusing:** Internal
- **Housing:** Copper free aluminum
- **Finish:** Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical resistant epoxy primer
- **Lens:** See table
- **CRI:** 80
- **CCT:** 4000K (neutral white)
  Optional 5000K (cool white)

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

Dimensions in mm [inches]
## Vigilant® High Bay

**Ordering Information - CE/RCM - APAC**

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<tr>
<th>Part Number</th>
<th>Lumens</th>
<th>Watts</th>
<th>lm/W</th>
<th>Certification</th>
<th>CCT</th>
<th>CRI</th>
<th>Lens</th>
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**Notes**

For High Bay aisle optic options, change the 5th character from “M” to “E”

For cool white options, change the 6th character from “N” to “C”

Please consult factory for other lenses, beam distribution angles, mounting options, cable and plug accessories

Please reference spec sheet at www.dialight.com for all High Bay technical information.

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www.dialight.com
Our Vigilant® High Bay 42,000-72,000 lm fixture can communicate wirelessly with all components in the IntelliLED™ system.

### Mechanical Information:

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<th>Weight</th>
<th>120-277 VAC models</th>
<th>347/480 VAC models</th>
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</thead>
<tbody>
<tr>
<td>Fixture weight</td>
<td>32.2 kg (71 lbs)</td>
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<td>Shipping weight</td>
<td>38.6 kg (85 lbs)</td>
<td>45.8 kg (101 lbs)</td>
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Note that the wire box is installed separately from the housing. This allows single installer for fixtures.

### Variable Dimming:

- **Variable dimming cable:** Two conductor cable
- **Power cable:** Three conductor cable
- **Dimming control:** 0-10 VDC
- **Dimming range:**
  - 10 VDC = 100% light output
  - 0 VDC = 5% light output

### Electrical Specifications:

- **Operating voltage:** 120-277 VAC, 50/60Hz
  - 347/480 VAC, 50/60Hz
- **Total system power consumption:** See table
- **Operating temp:** -40°C to +65°C (-40°F to +149°F)
- **Harmonics:** IEC 61000-3-2
- **Noise requirement /EMC:**
  - FCC Title 47, Subpart B, Section 15; class A device.
  - RF Immunity: 10V/m, 80MHz-1GHz
- **Transient protection:** 6kV/3kA combination wave, as per IEEE C62.41, line-line and line-ground
- **THD:** <20%
- **Power factor:** >0.9

### Construction:

- **Housing:** Copper free aluminum
- **Finish:** Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical-resistant epoxy primer
- **Lens:** Tempered glass, acrylic, polycarbonate

### Photometric Information:

- **CRI:** 80
- **CCT:**
  - 5000K (cool white)
  - 4000K (neutral white)

All values typical unless otherwise stated (tolerance +/- 10%).
## Vigilant® High Bay - High Output

### Ordering Information - CE/RCM - APAC

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<th>IP Rating</th>
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<td>120-277 VAC</td>
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<td>145</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>4000K (neutral white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td>H6E-7NN2-NJHN-NGN</td>
<td>60,000</td>
<td>414</td>
<td>145</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>4000K (neutral white)</td>
<td>Glass</td>
<td>Narrow</td>
</tr>
<tr>
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<td>309</td>
<td>146</td>
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<td>120-277 VAC</td>
<td>4000K (neutral white)</td>
<td>Glass</td>
<td>Medium</td>
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<tr>
<td>H6E-7NN2-KJHN-NGN</td>
<td>45,000</td>
<td>309</td>
<td>146</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>4000K (neutral white)</td>
<td>Glass</td>
<td>Narrow</td>
</tr>
<tr>
<td><strong>High Bay - 415 VAC Models - Hex Wiring Box</strong></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>H6E-7MNC-RDHN-NGN</td>
<td>72,000</td>
<td>506</td>
<td>142</td>
<td>IP66/67</td>
<td>415 VAC</td>
<td>4000K (neutral white)</td>
<td>Glass</td>
<td>Narrow</td>
</tr>
<tr>
<td>H6E-7MNC-NDHN-NGN</td>
<td>60,000</td>
<td>431</td>
<td>139</td>
<td>IP66/67</td>
<td>415 VAC</td>
<td>4000K (neutral white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td>H6E-7MNC-NDHN-NGN</td>
<td>60,000</td>
<td>431</td>
<td>139</td>
<td>IP66/67</td>
<td>415 VAC</td>
<td>4000K (neutral white)</td>
<td>Glass</td>
<td>Narrow</td>
</tr>
<tr>
<td>H6E-7MNC-KDHN-NGN</td>
<td>45,000</td>
<td>324</td>
<td>139</td>
<td>IP66/67</td>
<td>415 VAC</td>
<td>4000K (neutral white)</td>
<td>Glass</td>
<td>Medium</td>
</tr>
<tr>
<td>H6E-7MNC-KDHN-NGN</td>
<td>45,000</td>
<td>324</td>
<td>139</td>
<td>IP66/67</td>
<td>415 VAC</td>
<td>4000K (neutral white)</td>
<td>Glass</td>
<td>Narrow</td>
</tr>
</tbody>
</table>

Please reference spec sheet at www.dialight.com for all High Bay technical information.

**DISCLAIMER.** All product information provided is, to the best of Dialight’s knowledge, accurate as of the date of publication. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including the relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranty. To the extent that any contract is deemed formed between Dialight and the purchaser of Dialight products and/or an end-user, versions of documents available at www.dialight.com as at the date of sale shall be the versions incorporated therein, in the event of any discrepancy between this document or information provided at www.dialight.com, the latter shall prevail.
Gateway Controller

The gateway wirelessly integrates fixtures and sensors, offering ground-level control for up to 120 nodes (fixtures and sensors).

Certifications & Ratings

- 5 year warranty
- IP66
- EN 55032
- EN 55016-2-1
- EN 55016-2-3
- EN 61000-3-2
- EN 61000-3-3
- EN 61000-4-2
- EN 61000-4-3
- EN 61000-4-4
- EN 61000-4-5
- EN 61000-4-6
- EN 61000-4-11
- EN 61347-2-11+C1
- EN 61347-1+A1

Technical Specifications:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>7.2 kg (15.8 lbs)</td>
</tr>
<tr>
<td>Shipping weight</td>
<td>8.7 kg (19.2 lbs)</td>
</tr>
<tr>
<td>Operating voltage</td>
<td>100-277 VAC, 50/60Hz</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40°C to +65°C (-40°F to +149°F)</td>
</tr>
<tr>
<td>Ethernet</td>
<td>10/100/Gb Ethernet, Wired and WIFI for connectivity/control</td>
</tr>
<tr>
<td>Wireless protocol</td>
<td>2.4 GHz wireless mesh network</td>
</tr>
<tr>
<td>Maximum nodes*</td>
<td>120</td>
</tr>
<tr>
<td>Dimensions (WxDxH)</td>
<td>323.5mm x 382mm x 538.84mm (13.09&quot; x 15&quot; x 21.214&quot;)</td>
</tr>
<tr>
<td>Quick disconnect</td>
<td>This device must be connected to a quick disconnect device, such as a circuit breaker</td>
</tr>
</tbody>
</table>

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

*Nodes = fixtures and sensors

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAUW24AG</td>
<td>Gateway (GW), wireless controller</td>
</tr>
</tbody>
</table>

WARNING - INSTALLATION & SECONDARY RETENTION. Use of any Dialight products without proper installation (including secondary retention / netting) and periodic inspections could cause severe injury or death. Dialight recommends that all installations should use secondary retention / netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end-user to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is safely installed (with secondary retention / netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under applicable laws, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products.
Enterprise Server

The Enterprise Server offers the flexibility for complete site-wide lighting management through an easy to use web interface.

Technical Specifications:

- **Weight:** 1.6 kg (3.5 lbs)
- **Shipping weight:** 2.2 kg (4.9 lbs)
- **Operating voltage:** 19.2-28.8 VDC, 65W
- **Operating temperature:** 0°C to +50°C (+32°F to +122°F)
- **Ethernet:** 10/100/Gb Ethernet
- **Wireless protocol:** 2.4 GHz wireless mesh network
- **Memory (RAM/SSD):** 8 GB DDR3 / 250 GB mSATA
- **Dimensions (WxDxH):** 162mm x 146.2mm x 49mm
  - 6.4” x 5.75” x 1.93”

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

Certifications & Ratings

- 2 year warranty
- EN 61000-6-2:2005

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DACN825AP</td>
<td>Enterprise Server (ES), with wired communication to Gateway</td>
</tr>
</tbody>
</table>

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**Technical Specifications:**

- **Weight:** 250 g (8.8 oz)
- **Shipping weight:** 0.7 kg (1.5 lbs)
- **Operating temperature:** -40°C to +60°C (-40°F to +140°F)
  *Realized lifespan may vary depending on operating temperature, type and condition of the batteries used and the frequency of traffic that triggers the sensor*
- **Power input:** 2x “AA” lithium batteries 1.5V
- **Mounting:** Ceiling or walls at least 900mm to 1500mm (3’ to 5’) height off the ground
- **Estimated battery life:** 2-5 years (based on usage)
- **Radio frequency:** 2.4GHz
- **Dimensions (DxH):** 125mm x 63.5mm  
  5” x 2.38”
- **Sensing area:**
  - Wide angle - 20'-30', 1,250 sq ft, 120°
  - Long range - 100’ max, 7,600 sq ft, 10°
- **Sensing technology:** Passive infrared
- **Housing:** Grey polycarbonate
- **Lens:** Diffused high density polyethylene

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

Reduce run time and maximize cost savings with standalone AC wired daylight harvesting sensors to control light levels.

Certifications & Ratings

- 5 year warranty
- EN 61347-1:2015
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 55015:2013

Technical Specifications:

- Weight: 238 g (10 oz)
- Shipping weight: 0.7 kg (1.5 lbs)
- Operating voltage: 100-277 VAC, 50/60Hz, 100mA max.
- Operating temperature: -25°C to +65°C (-13°F to +149°F)
- Mounting: Ceiling or walls at least 1500mm (5') height from the ground away from direct sunlight or obstructions
- Radio frequency: 2.4GHz
- Object detection: Light
- Dimensions (DxH): 125mm x 63.5mm
  5” x 2.5”
- Housing: Grey polycarbonate
- Lens: Polycarbonate

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

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLHU124UG2</td>
<td>Daylight Harvesting Sensor, standalone, AC wired sensor</td>
</tr>
</tbody>
</table>

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