Vigilant® LED High Output High Bay - Low Profile
Standard Models

Mechanical Information:
- Fixture weight: 21.8 kg (48 lbs)
- Shipping weight: 28.1 kg (62 lbs)
- Mounting: (1) Loop
- Wiring entries: (2) M25

Materials:
- Housing: A360 Die-cast aluminium
- Finish: Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical-resistant epoxy primer
- Lens options: Tempered glass, Acrylic or Polycarbonate
- Hardware: 316 Stainless Steel

Electrical Specifications:
- Operating voltage: 120-277 VAC, 50/60Hz
- Total system power consumption: See table
- Operating temperature: -40°C to +65°C
- Harmonics: IEC 61000-3-2 Class C
- Surge protection: Tested to IEC 61000-4-5
  6kV/3kA, 1.2/50, 8/20us
  Combination wave
  Line-line and line-ground
- THD: < 20%
- Power factor: > 0.9

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

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

Certifications & Ratings
- 10 year warranty
- CE / RCM / ENEC
- IP66/67
- IK10 (polycarbonate) / IK06 (glass)
- L70 > 150,000 hours
- Factory installed secondary retention bracket, optional safety cable accessory available

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.
**Ordering Information**

**Vigilant® LED High Output High Bay - Low Profile - Standard Models**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture Lumen</th>
<th>Watt</th>
<th>lm/W</th>
<th>Voltage</th>
<th>CCT</th>
<th>CRI</th>
<th>Lens</th>
<th>Beam Distribution</th>
<th>Dimming</th>
</tr>
</thead>
<tbody>
<tr>
<td>H7E-7NN2-KDHIN-NGN</td>
<td>46,000</td>
<td>300</td>
<td>153</td>
<td>120-277 VAC</td>
<td>4000K (neutral white)</td>
<td>80</td>
<td>Glass</td>
<td>Narrow</td>
<td>0-10V</td>
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<td>61,200</td>
<td>418</td>
<td>146</td>
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<td>H7E-7NN2-RDHIN-NGN</td>
<td>70,500</td>
<td>485</td>
<td>145</td>
<td>120-277 VAC</td>
<td>4000K (neutral white)</td>
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<td>Glass</td>
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All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in **bold** are typically available in stock.
Cool white color temperature (5000K) is available for products in the above table. Replace the sixth character **N** with **C**. Ex. H7E-7MN2-RDHIN-NGN becomes H7E-7MC2-RDHIN-NGN.
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Beam Distribution

Narrow

Medium

Thermal Roll-Off

Thermal Rolloff (277V)

Thermal Rolloff (480V)
## In Rush Current / Circuit Breakers

<table>
<thead>
<tr>
<th>In rush current @ input voltage</th>
<th>Time duration of in rush current @ input voltage</th>
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<tbody>
<tr>
<td>120 VAC</td>
<td>277 VAC</td>
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<tr>
<td>15A</td>
<td>36A</td>
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</table>

### Maximum number of lights per breaker

<table>
<thead>
<tr>
<th>Model</th>
<th>120 VAC</th>
<th>277 VAC</th>
<th>347 VAC</th>
<th>480 VAC</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>C10</td>
<td>B16</td>
<td>C16</td>
<td>C10</td>
</tr>
<tr>
<td>K</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>N</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>R</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

### Mounting Accessories

- **H6XCAB72**
  - 72" stainless steel safety rope

- **H6XCAB60**
  - 60" stainless steel safety rope

- **H6XDIFFUSER**
  - Diffuser
  - Patent pending

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**Dimensions in inches [mm]**

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