Vigilant® LED Floodlight - CE / RCM
for Indoor and Outdoor Industrial Applications
The Vigilant® LED Floodlight represents the future of energy efficient facility illumination for industrial applications worldwide. The lighting fixture consumes at least 50% less energy than traditional HID light sources, while reducing maintenance and carbon emissions. This light incorporates both cutting edge LED technology along with proprietary optics to achieve flood lighting comparable with other traditional light sources.

**Features & Benefits**

- 10 year warranty
- L70 rated for >100,000 hours @ 25°C ambient
- Instant on/off operation
- Universal input (100-277 VAC)
- Superior color rendition index compared to HPS, LPS, MH
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life
- Safety tabs provided for secondary retention
Vigilant® LED Dual Floodlight - CE / RCM
Standard Models

Mechanical Information:
- Fixture weight: 25.4 kg (56 lbs)
- Shipping weight: 27.2 kg (60 lbs)
- EPA (Sq.ft): 2.69
- Mounting: 304 stainless steel trunnion mounting bracket included
- Entries: (2) M20 cable entries

Electrical Specifications:
- Operating voltage: 120-277 VAC, 50/60Hz
- Power consumption: See table
- Operating temp: -40°C to +65°C (-40°F to +149°F)
- Harmonics: EN 55015 - conducted and radiated
  - EN 61000-3-2
  - EN 61000-4-3
  - EN 61000-4-4
  - EN 61000-4-6
  - EN 61000-4-11
- Surge protection: Verified up to 6kV/2ohms at an independent test laboratory
- 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

Photometric Information:
- CRI: 75
  - 80 min. option available
- CCT: 5000K (cool white)
- Beam patterns: 92°
- 35°
- IES files: Available at www.dialight.com

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

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.
Vigilant® LED Floodlight - CE / RCM
Standard Models

Mechanical Information:
- Fixture weight: 15.4 kg (34 lb)
- Shipping weight: 17.7 kg (39 lb)
- Mounting: 304 Stainless steel forward throw bracket
- Entries: (3) M25 cable entries

Electrical Specifications:
- Operating voltage: 100-277 VAC, 50/60Hz, 120-250 VDC
- Power consumption: See table
- Operating temp: -40°C to +65°C (-40°F to +149°F)
- Noise requirement /EMC: EN 55015 - conducted and radiated
  - IEC 61000-3-2
  - IEC 61000-4-3
  - IEC 61000-4-4
  - IEC 61000-4-6
  - IEC 61000-4-11
- Surge protection: 100-277 VAC models tested to withstand up to 8kV/4kA per IEEE C62.41.
- 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

Photometric Information:
- CRI: 80
- CCT: 5000K (cool white)
- Beam patterns: 35°
- IES files: Available at www.dialight.com

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

Certifications & Ratings
- EN 60598-1:2015, EN 60598-2-1:1989
- EN 55015:2019
- EN 61547:2009
- IK05 to EN50102
- IP66 to EN60529
- NEMA 4X
- D-Marking to EN 60598-2-24:2013
- L70 < 150,000 hours @ 25°C ambient
- IEC60068
- Salt spray testing - severity 1

Dimensions in mm [inches]
Vigilant® LED Floodlight - CE / RCM
Mounting Accessories and Dimensions

Dual Floodlight Mounting Options

Factory installed mounting bracket dimensions

Dimensions in mm (inches)

Single Models

Factory installed mounting bracket dimensions

Dimensions in mm (inches)

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.

www.dialight.com
**Vigilant® LED Floodlight - CE / RCM**

**Ordering Information**

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<tr>
<th>Part Number</th>
<th>Fixture Lumens</th>
<th>Wattage</th>
<th>lm/W</th>
<th>IP Rating</th>
<th>Voltage</th>
<th>CCT</th>
<th>Lens</th>
<th>Beam Angle</th>
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<td>5000K (cool white)</td>
<td>Clear Tempered Glass</td>
<td>35°</td>
</tr>
</tbody>
</table>

All values typical unless otherwise stated (tolerance +/- 10%). Additional NEMA optics coming soon. Please consult factory for details.

**HZXCBL2**
- Safety cable Kit
- 2 Safety cables

**Beam Angle**

- 92° Beam Angle
- 35° Beam Angle

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