Vigilant® LED Floodlight - CE
for Indoor and Outdoor Industrial Applications

MARCH 2021
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

**Application**

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.

[www.dialight.com](http://www.dialight.com)
Vigilant® LED Dual Floodlight - CE
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 61547
  - EN 60598
  - EN 62031
  - EN 62471
- Surge protection: 6kV/2 ohm 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

Photometric Information:
- CRI: 80
- CCT: 5000K (cool white)
  4000K (neutral white)
- Beam patterns:
  - 100° x 65°
  - 95°
  - 35°
- IES files: Available at www.dialight.com

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

Certifications & Ratings
- CE
  - EN 55015
  - EN 61547
  - EN 60598
- IP66 to EN60529

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
Standard Models

Mechanical Information:
- Fixture weight: 15.4 kg (30 lb)
- Shipping weight: 17.7 kg (35 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)
- Harmonics: EN 61000-3-2
- 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

Certifications & Ratings
- EN 60598-1:2015, EN 60598-2-1:1989
- EN 55015:2019
- EN 61547:2009
- IEC60068

Photometric Information:
- CRI: 80
- CCT: 5000K (cool white)
  4000K (neutral white)
- Beam patterns: 100° x 65°
  95°
  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.

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

Dual Floodlight Mounting Options

Factory installed mounting bracket dimensions

Single Models

Factory installed mounting bracket dimensions

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.
Vigilant® LED Floodlight - CE
Mounting Accessories & Beam Distribution Patterns

| FLX-1TPT-20DB | Tenon pole topper, 2-3/8" mount
| Kit includes: Tenon topper, pole set screws, and mounting hardware |

| FLX-3RPA-20DB FLX-4RPA-20DB | Reducer for 3" or 4" OD round pole top to 2-3/8" light mount
| Kit includes: Reducer pole set screws |

| FLX-4SPA-20DB FLX-5SPA-20DB FLX-6SPA-20DB | Internal tenon adapter for 4", 5" or 6" square pole top to 2-3/8" light mount
| Kit includes: Adapter |

1 Bracket and adapters require tenon adapter (FLX-1TPT-20DB) to mount floodlight. Tenon adapter is sold separately.

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

### Ordering Information

<table>
<thead>
<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>
<th>Field Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual Floodlight Models</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FLEB66MC2NG</td>
<td>56,000</td>
<td>385</td>
<td>145</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
<td>Clear Tempered Glass</td>
<td>35°</td>
<td>108°</td>
</tr>
<tr>
<td>FLEB64MC2NG</td>
<td>54,000</td>
<td>385</td>
<td>140</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
<td>Clear Tempered Glass</td>
<td>92°</td>
<td>120°</td>
</tr>
<tr>
<td>FLEB76MC2NG</td>
<td>54,000</td>
<td>380</td>
<td>142</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
<td>Clear Tempered Glass</td>
<td>100° x 65°</td>
<td>135° x 105°</td>
</tr>
<tr>
<td>FLE966MC2NG</td>
<td>39,000</td>
<td>270</td>
<td>144</td>
<td>IP66</td>
<td>120-277 VAC</td>
<td>5000K (cool white)</td>
<td>Clear Tempered Glass</td>
<td>35°</td>
<td>108°</td>
</tr>
</tbody>
</table>

| Single Floodlight Models                                    |               |        |      |           |            |           |                                  |            |             |
| FLE666HC2NG    | 27,500         | 185     | 149  | IP66      | 100-277 VAC| 5000K (cool white) | Clear Tempered Glass                  | 35°        | 108°        |
| FLE676HC2NG    | 26,400         | 185     | 143  | IP66      | 100-277 VAC| 5000K (cool white) | Clear Tempered Glass                  | 100° x 65° | 135° x 105° |

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

---

**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.
WARNING / DISCLAIMERS:
Installation & secondary retention. The use of this product 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) as applicable. Dialight products are intended for ultimate purchase, installation and operation by knowledgeable persons trained in the functional assessment, installation, use and maintenance of such products and all customers (including but not limited to end customers) are responsible for assessing the suitability of Dialight products for any given installation requirement. 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 as appropriate) and in compliance with all applicable laws and regulations.

Product specifications & warranties. All product information provided is, to the best of Dialight’s knowledge, accurate as of the date of publication. All values and performance data herein are design or typical values when measured under laboratory conditions. The information herein is subject to change without notice. The products / software detailed herein are subject to applicable warranties and terms and conditions of use/purchase. Unless agreed otherwise in writing by an authorized representative of Dialight, Dialight does not represent that its products are fit for any particular purpose and accepts no liability for the installation and/or unauthorised use of its products. When ordering, refer to www.dialight.com for current versions of: (a) relevant product documentation (including relevant product data sheets); (b) Dialight terms and conditions of sale; and, (c) the relevant product warranties. 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 and information provided at www.dialight.com, the latter shall prevail.

Exclusion of liability. To the extent permissible under the relevant law, Dialight disclaims all liability for personal injury and/or other damage resulting from any dislodgment or other dislocation of its products. Whilst Dialight has used its reasonable endeavours to ensure the completeness and accuracy of information herein, Dialight does not assume any liability for damages resulting from use of this information or for any third-party representations made in relation to Dialight products.