DuroSite® LED Floodlight - CE
for Outdoor Industrial Applications
Application

The DuroSite® 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 floodlighting 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), 50/60Hz
- Superior colour rendition index compared to HPS, LPS, MV
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life
- Isolated wiring compartment
- Integral safety straps
DuroSite® LED Floodlight - CE
Standard Model

Certifications & Ratings
- CE
  EN50015
  EN61547
  EN60598-1
  EN61000-3-2
  EN62031
  EN62471
- IP66/67 to EN60529
- IK07 (Glass) / IK10 (Polycarbonate)

Mechanical Information:
- Fixture weight: 13.6 kg (30 lb)
- Shipping weight: 15.4 kg (34 lb)
- Mounting: Trunnion mounting bracket included
- Entry: (2) M20 cable entries
- EPA (sq.m): 0.15 sq. m (1.66 sq. ft)

Electrical Specifications:
- Operating Voltage: 100-277 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 Requirements/EMC:
  - EN 55015 - conducted and radiated
  - EN 61000-3-2, EN 61000-4-2, EN 61000-4-4, EN 61000-4-6
  - EN 61000-4-1
- Transient protection: EN61000-4-5
  Verified up to 6kV/2ohms at an independent test laboratory
  Protection devices capable of 20kV
- THD: < 20%
- Power Factor: > 0.9

Construction:
- Housing: Copper-free aluminium
- Bracket: 304 Stainless Steel
- Finish: Superior dual coat finish
  - Sealed polyester topcoat
  - Chemical-resistant epoxy prime
- Lens: Tempered glass
  Polycarbonate

Photometric Information:
- CRI: 75
- CCT: 5000K (cool white)
  4000K (neutral white)
- Field Angles:
  - Asymmetrical (140° x 115°)
  - Asymmetrical (115° x 140°)
  - Very wide (115°)
  - Wide (83°)
  - Medium (52°)
  - Narrow (23°)
- 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.

www.dialight.com
## DuroSite® LED Floodlight - CE

### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Fixture</th>
<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Angle</th>
<th>Field Angle</th>
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<tbody>
<tr>
<td>FLE466MC4NG</td>
<td>15,000</td>
<td>135</td>
<td>111</td>
<td>100-277 VAC</td>
<td>5000K (cool white)</td>
<td>Tempered Glass</td>
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<tr>
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<td>52°</td>
</tr>
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### 100-277 VAC Models - Glass Lens

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<th>Wattage</th>
<th>lm/W</th>
<th>Voltage</th>
<th>Colour Temperature (CCT)</th>
<th>Lens</th>
<th>Beam Angle</th>
<th>Field Angle</th>
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<td>Polycarbonate</td>
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<td>Polycarbonate</td>
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<td>23°</td>
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**100-277 VAC Models - Polycarbonate Lens**

All values typical unless otherwise stated (tolerance +/- 10%).
Part numbers listed in the table above are powder coated gray. For bronze powder coat, replace the 10th character with **Z**. Ex: FLE244MC2NG becomes FLE244NC2NG.
Part numbers listed in the table above are provided in Cool White. For Neutral White, replace the 8th character with **N**. Ex: FLE266MC2NG becomes FLE266MNC2NG.

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](http://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](http://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](http://www.dialight.com), the latter shall prevail.
**DuroSite® LED Floodlight - CE**

**Mounting Accessories**

- Product shipped with bracket installed.
- (Bracket has locking positions at 0°, (±) 22.5°, (±) 45°, (±) 67.5°, and 90°)

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**FLX-1TPT-20DB**

- 343 [13.5]
- 113 [4.4]
- 603 [23.7]

**FLX-1RAB-20DB**

- 342 [13.5]
- 113 [4.4]
- 571 [22.5]
- 648 [25.5]
- 143 [5.6]
- 178 [7.0]

**FLX-2LBH-20DB**

- 889 [35]
- 546 [21.5]
- 571 [22.5]
- 922 [36.3]

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**Factory Installed Mounting Bracket**

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DuroSite® LED Floodlight - CE
Mounting Accessories

**HZXSAFECBLS**
- Safety cable kit
- Kit includes: (2) Safety cables

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

**FLX-1RAB-20DB**
- Right angle mounting bracket for 2-3/8” light mount
- Kit includes: Right angle bracket

**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-3LBH-20DB**
**FLX-4LBH-20DB**
- Bull horn for 3 lights, 2-3/8” mount, 21” spacing
- Kit includes: Bull horn, pole set screws

**FLX-2RSR-20DB**
**FLX-3RSR-20DB**
**FLX-4RSR-20DB**
- Bull horn for 2 lights, 2-3/8” mount, 21” spacing
- Kit includes: Bull horn, 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

**FLX-2LBH-20DB**
**FLX-4LBH-20DB**
- Bull horn for 4 lights, 2-3/8” mount, 21” spacing
- Kit includes: Bull horn, pole set screws

**FLX-4RBH-20DB**
- Bull horn for 4 lights, 2-3/8” mount, 21” spacing
- Kit includes: Bull horn, pole set screws

1 Brackets and adapters require the tenon pole topper (FLX-1TPT-20DB) to mount floodlight. Tenon pole topper sold separately.

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Beam Distribution

Field angle = 140° x 115°

Field angle = 115° x 140°

Field angle = 115°

Field angle = 93°

Field angle = 52°

Field angle = 23°
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.

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