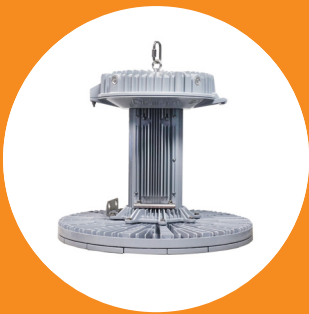# Dialight

# DuroSite® LED Floodlight - CE

for Outdoor Industrial Applications

CE

# On when it matters most.

## Products and solutions that protect your business

## 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

## 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.

# DuroSite® LED Floodlight - CE
## Standard Model

Patent pending
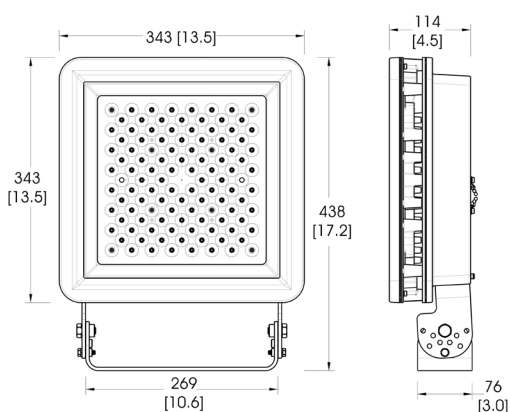
## Certifications & Ratings

- CE (EN55015, 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 |

### Electrical Specifications:

| | |
|---|---|
| Operating voltage: | 100-277 VAC, 50/60Hz |
| Total system power consumption: | See table |
| Operating temperature: | -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 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11 |
| 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 primer |
| Lens[1]: | Tempered glass Polycarbonate |

### Photometric Information:

| | |
|---|---|
| CRI: | 75 |
| CCT: | 5000K (cool white) 4000K (neutral white) |
| Field angles: | 140° x 115° 115° x 140° 115° 93° 52° 23° |
| IES files: | Available at www.dialight.com |

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

[1]For information on chemical compatibility, please follow this link to reference Dialight's Chemical Compatibility Guide: www.dialight.com/pubs/MDTFCHEMRFLX001.PDF

343 [13.5]

343 [13.5]

269 [10.6]

114 [4.5]

438 [17.2]
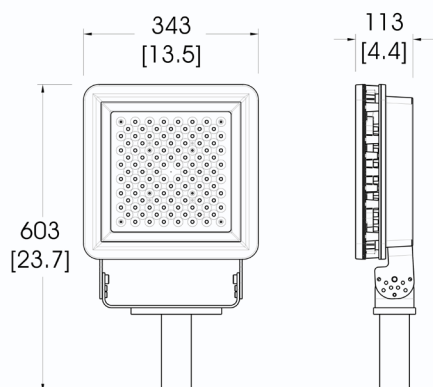
76 [3.0]

Dimensions in mm (inches)

# DuroSite® LED Floodlight - CE
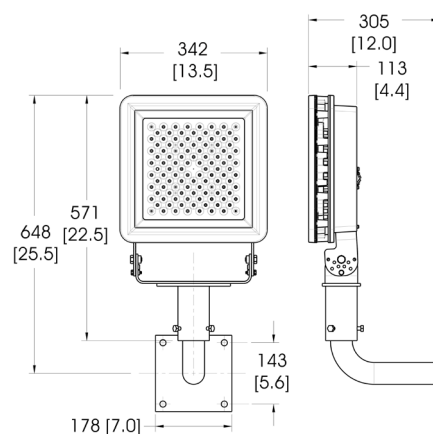## Mounting Options





Product shipped with bracket installed
(Bracket has locking positions at 0°, (±) 22.5°, (±) 45°, (±) 67.5°, and 90°)
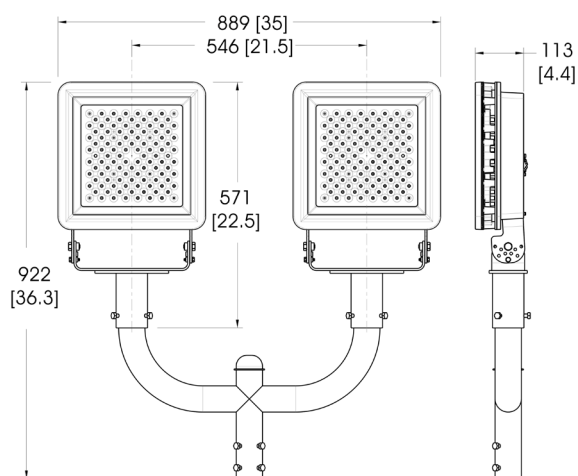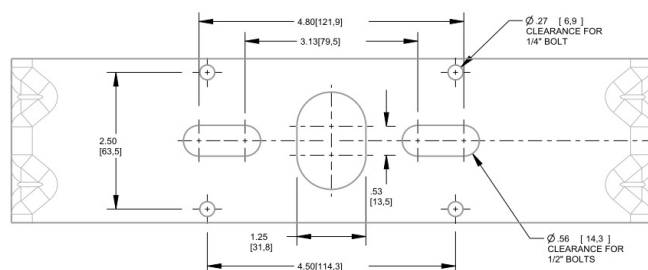
| FLX-1TPT-20DB | FLX-1RAB-20DB |
|---|---|




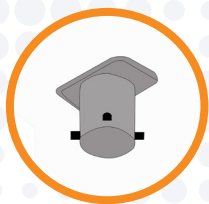| FLX-2LBH-20DB | Factory Installed Mounting Bracket |
|---|---|

# DuroSite® LED Floodlight - CE
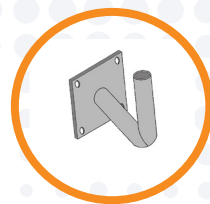## Mounting Accessories and Light Distribution Patterns

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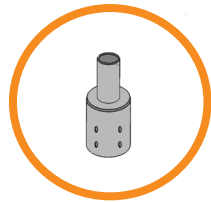- Safety cable kit
- Kit includes: (2) Safety cables

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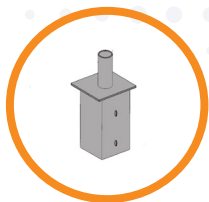- Kit includes: Tenon topper, pole set screws, and mounting hardware

**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
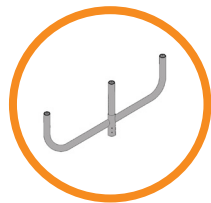- Kit includes: Reducer pole set screws

**FLX-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**
- Bull horn for 2 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws

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

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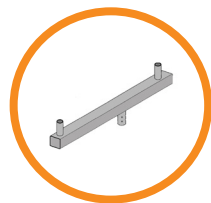
**FLX-2RSR-20DB**
- Bull horn for 2 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws
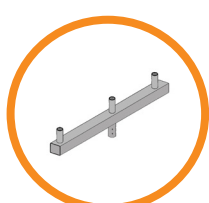
**FLX-3RSR-20DB**
- Bull horn for 3 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws
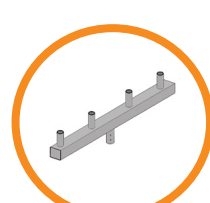
**FLX-4RSR-20DB**
- Bull horn for 4 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws

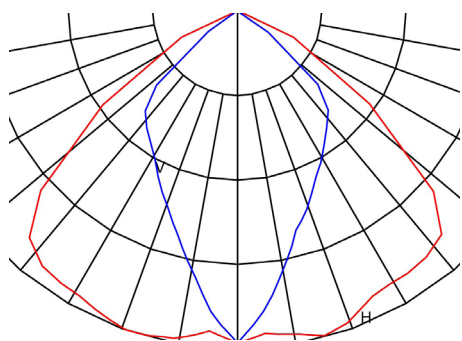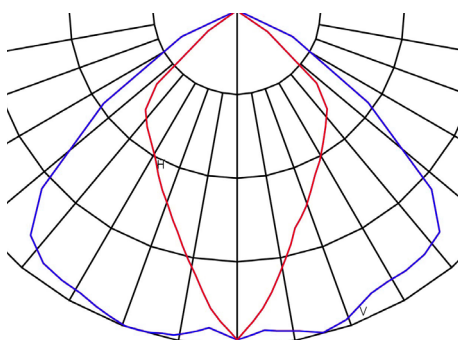[1]Brackets and adapters require the tenon pole topper (FLX-1TPT-20DB) to mount floodlight. Tenon pole topper sold separately.
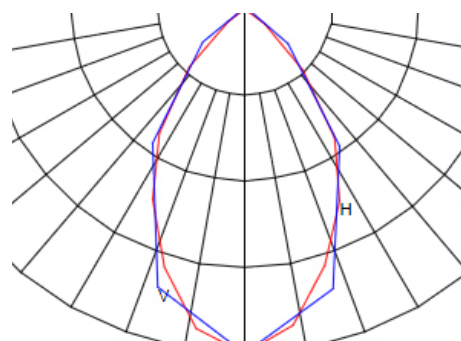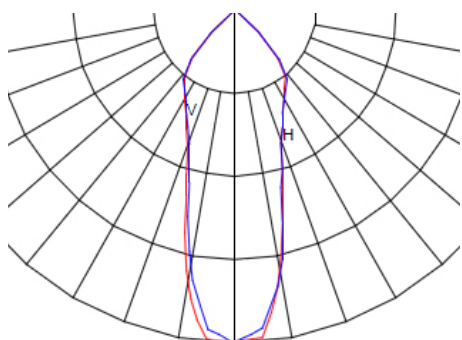
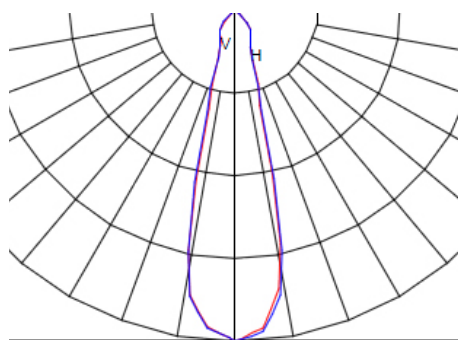### Light Distribution Patterns

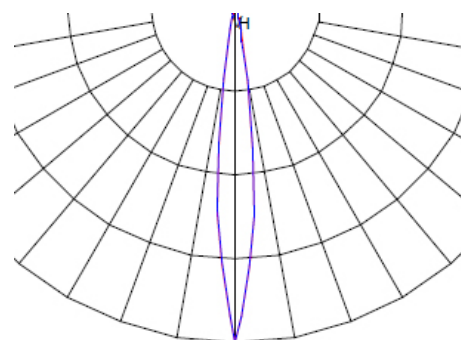Field angle = 140° x 115°

Field angle = 115° x 140°

Field angle = 115°

Field angle = 93°

Field angle = 52°

Field angle = 23°

DuroSite

# DuroSite® LED Floodlight - CE
## Ordering Information

| Part Number | Initial Fixture Lumens | Wattage | lm/W | IP Rating | Voltage | Colour Temperature (CCT) | Beam Angle | Field Angle |
|---|---|---|---|---|---|---|---|---|
| 100-277 VAC Models - Glass Lens | | | | | | | | |
| FLE466MC4NG | 15,000 | 135 | 111 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 45° | 115° |
| FLE476MC4NG | 14,750 | 135 | 109 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 105° x 70° | 140° x 115° |
| FLE467MC4NG | 14,750 | 135 | 109 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 70° x 105° | 115° x 140° |
| FLE455MC4NG | 14,500 | 140 | 104 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 27° | 93° |
| FLE444MC4NG | 14,500 | 140 | 104 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 26° | 52° |
| FLE422MC4NG | 13,500 | 140 | 96 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 12° | 23° |
| FLE276MC2NG | 11,500 | 106 | 108 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 105° x 70° | 140° x 115° |
| FLE267MC2NG | 11,500 | 106 | 108 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 70° x 105° | 115° x 140° |
| FLE266MC2NG | 11,250 | 106 | 106 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 45° | 115° |
| FLE255MC2NG | 11,000 | 106 | 104 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 27° | 93° |
| FLE244MC2NG | 10,500 | 106 | 99 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 26° | 52° |
| FLE222MC2NG | 10,750 | 106 | 101 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 12° | 23° |
| 100-277 VAC Models - Polycarbonate Lens | | | | | | | | |
| FLE466MC4NP | 14,000 | 135 | 104 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 45° | 115° |
| FLE476MC4NP | 13,750 | 135 | 102 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 105° x 70° | 140° x 115° |
| FLE467MC4NP | 13,750 | 135 | 102 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 70° x 105° | 115° x 140° |
| FLE455MC4NP | 13,500 | 140 | 96 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 27° | 93° |
| FLE444MC4NP | 13,500 | 140 | 96 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 26° | 52° |
| FLE422MC4NP | 12,500 | 140 | 89 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 12° | 23° |
| FLE276MC2NP | 10,500 | 106 | 99 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 105° x 70° | 140° x 115° |
| FLE267MC2NP | 10,500 | 106 | 99 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 70° x 105° | 115° x 140° |
| FLE266MC2NP | 10,250 | 106 | 97 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 45° | 115° |
| FLE255MC2NP | 10,000 | 106 | 94 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 27° | 93° |
| FLE244MC2NP | 9,500 | 106 | 89 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 26° | 52° |
| FLE222MC2NP | 9,750 | 106 | 92 | IP 66 / 67 | 100-277 VAC | 5000K (cool white) | 12° | 23° |

All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%).
Part numbers listed in the table above are powder coated gray. For bronze powder coat, replace the 10th character with **Z**. Ex: FLE244NC2**N**G becomes FLE244NC2**Z**G.
Part numbers listed in the table above are provided in Cool White. For Neutral White, replace the 8th character with **N**. Ex: FLE266M**C**2NG becomes FLE266M**N**2NG.

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