

# .....Dialight



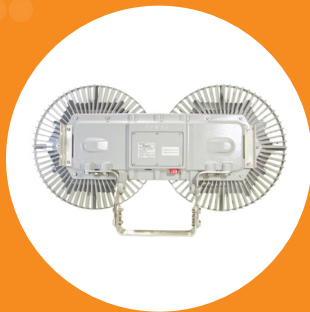
**DuroSite® LED Floodlight - UL / CSA**  
for Outdoor Industrial Applications



# On when it matters most.

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Products and solutions that protect your business







## Features & Benefits

- 10 year warranty
- L70 rated for >100,000 hours @ 25°C ambient
- DLC listed (Glass models only)
- Instant on/off operation
- Universal input (100-277 VAC, 50/60Hz or 347/480 VAC, 60Hz)
- Superior color rendition index compared to HPS, LPS, MV
- Resistant to shock and vibration
- Isolated wiring compartment
- Integral safety straps
- Temperature compensation technology for longer life

## Application

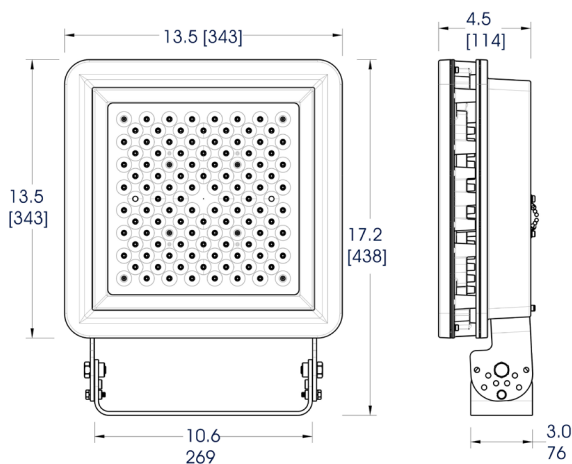
The DuroSite® LED Floodlight represents the future of energy efficient facility illumination for industrial applications worldwide. The lighting fixture consumes at least 50% less energy than traditional HID light sources, while reducing maintenance and carbon emissions. This light incorporates both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

# DuroSite® LED Floodlight - UL / CSA

## Standard Models

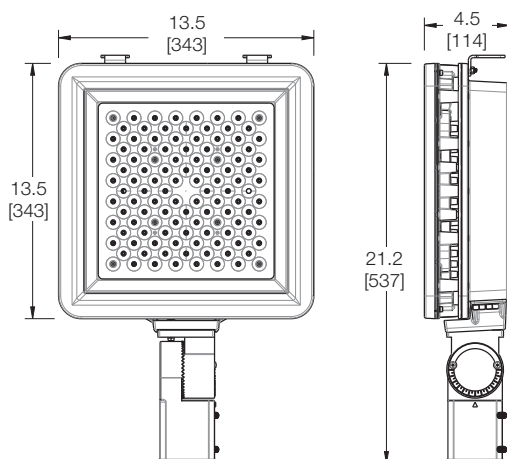


100 - 277 VAC Model



Dimensions in inches [mm]

Slip Fit Adapter



Dimensions in inches [mm]

### Certifications & Ratings

- UL 1598/A\*
- CSA C22.2 No. 250\*
- NEMA 4X
- IP66/67
- IK07 (Glass) / IK10 (Polycarbonate)
- ABS # 14-HS1209388-PDA

ETL listed

### Mechanical Information:

<b>Fixture weight:</b>	30 lb (13.6 kg)
<b>Shipping weight:</b>	34 lb (15.4 kg)
<b>EPA (Sq.ft):</b>	1.66
<b>Mounting:</b>	304 Stainless steel trunnion mounting bracket included as standard Optional slip fit adapter
<b>Entries:</b>	(2) 3/4" NPT cable entries

### Electrical Specifications:

<b>Operating voltage:</b>	100-277 VAC, 50/60Hz 347/480 VAC, 60Hz
<b>Power consumption:</b>	See table
<b>Operating temp:</b>	-40°F to +149°F (-40°C to +65°C)
<b>Noise requirement /EMC:</b>	EN 55015 - conducted and radiated FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m, 80MHz-1GHz
<b>Surge protection:</b>	Verified up to 6kV/2ohms at an independent test laboratory protection devices capable of 20kV
<b>THD:</b>	< 20%
<b>Power factor:</b>	> 0.9

### Construction:

<b>Housing:</b>	Copper-free aluminum
<b>Finish:</b>	Superior dual coat finish - Sealed polyester topcoat - Chemical resistant epoxy primer
<b>Lens :</b>	Tempered glass Polycarbonate

### Photometric Information:

<b>CRI:</b>	75
<b>CCT:</b>	5000K (cool white) 4000K (neutral white)
<b>NEMA Patterns:</b>	7x6 - Asymmetrical (140° x 115°) 6x7 - Asymmetrical (115° x 140°) 6 - Very wide (115°) 5 - Wide (93°) 4 - Medium (52°) 2 - Narrow (23°)

**IES files:** Available at [www.dialight.com](http://www.dialight.com)

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

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

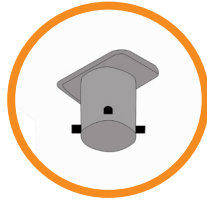
# DuroSite® LED Floodlight - UL / CSA

## Mounting Accessories and Light Distribution Patterns



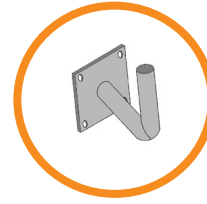
### HZXSAFECBLS

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



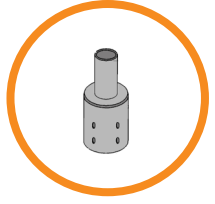
### FLX-1TPT-20DB<sup>1</sup>

- Tenon pole topper, 2-3/8" mount
- Kit includes: Tenon topper, pole set screws, and mounting hardware



### FLX-1RAB-20DB

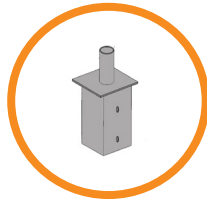
- Right angle mounting bracket for 2-3/8" light mount
- Kit includes: Right angle bracket



### 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

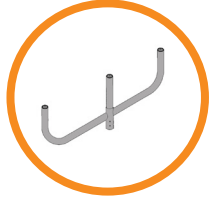
### FLX-6SPA-20DB

- 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



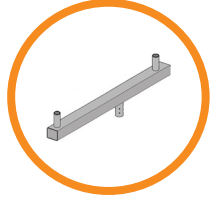
### FLX-4LBH-20DB

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



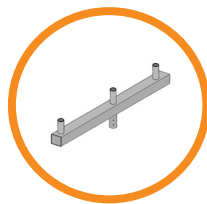
### FLX-4RBH-20DB

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



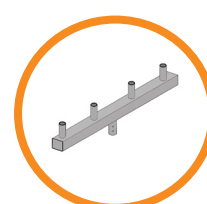
### FLX-2RSR-20DB

- 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

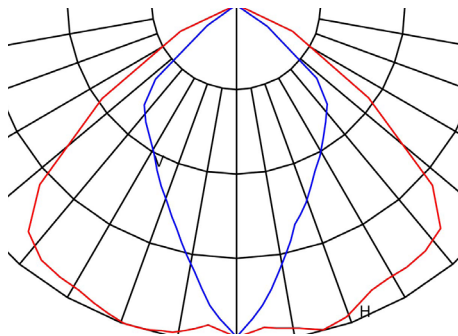


### FLX-4RSR-20DB

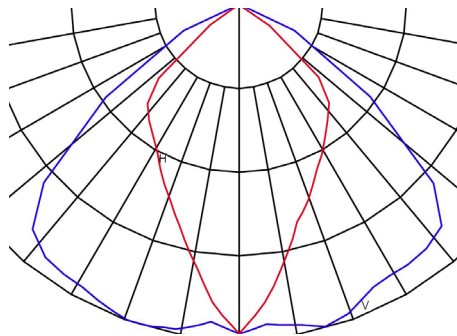
- Bull horn for 4 lights, 2-3/8" mount, 21" spacing
- Kit includes: Bull horn, pole set screws

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

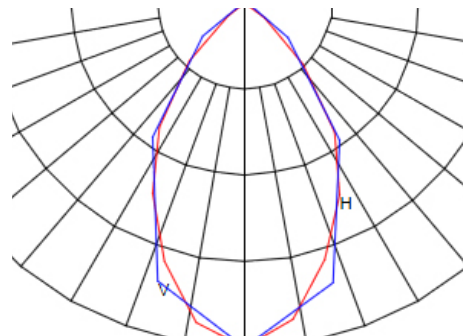
## Light Distribution Patterns



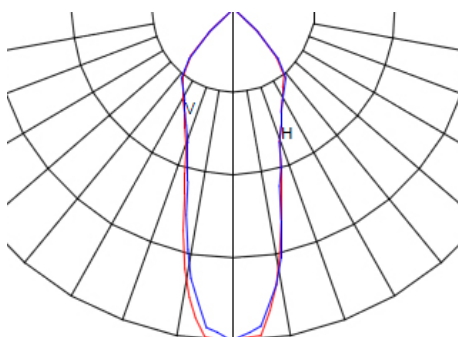
Field angle = 140° x 115°



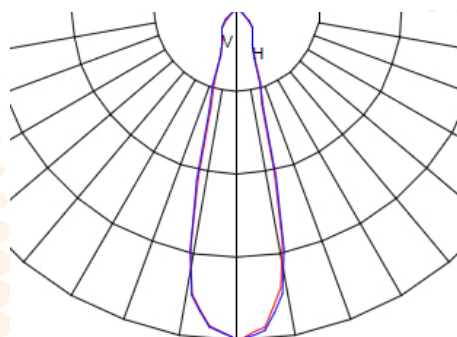
Field angle = 115° x 140°



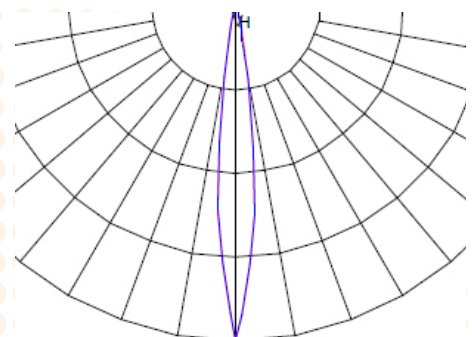
Field angle = 115°



Field angle = 93°



Field angle = 52°



Field angle = 23°



# DuroSite® LED Floodlight - UL / CSA

## Mounting Options

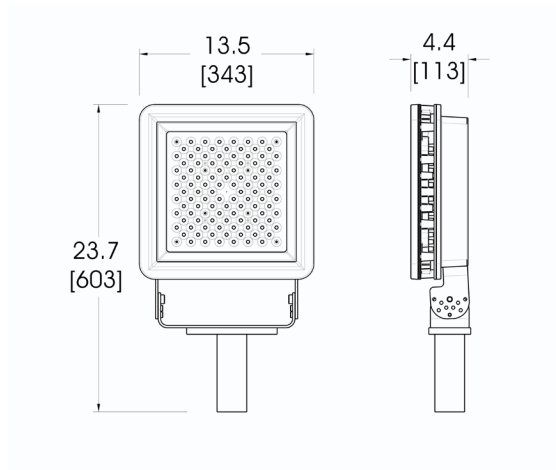


Bracket has locking positions at 0°, (±) 22.5°, (±) 45°, (±) 67.5°, and 90°



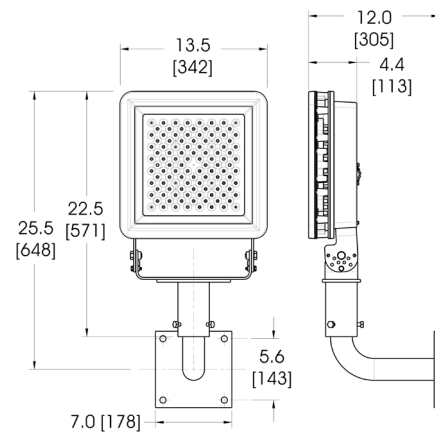
Mount to 2" round poles (2 - 3/8" OD) (UL 1598 Only)  
Bracket has locking positions from 0° - 180°, in 5° increments  
Gasketed wiring compartment

FLX-1TPT-20DB



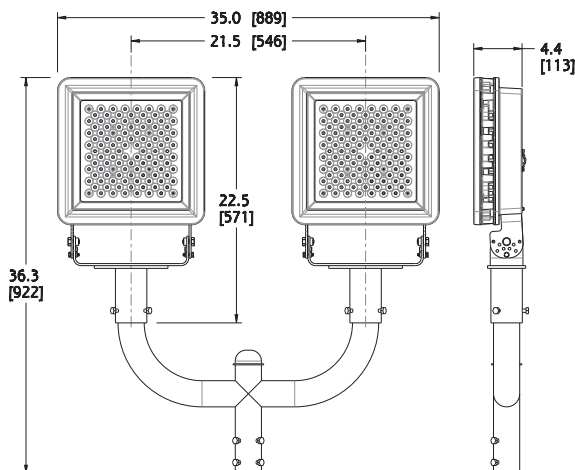
(Fixture and bracket sold separately)

FLX-1RAB-20DB



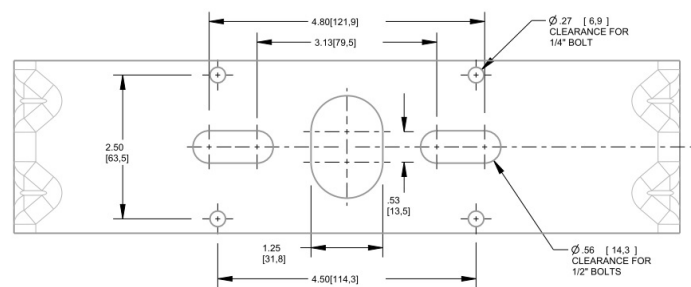
(Fixture and bracket sold separately)

FLX-2LBH-20DB



(Fixture and bracket sold separately)

Factory Installed Mounting Bracket



# DuroSite® LED Floodlight - UL / CSA

## Ordering Information and Light Distribution Pattern

Part Number	Fixture Lumens	Wattage	lm/W	Voltage	Color	Light Distribution
100-277 VAC Models - Glass Lens						
FLW466NC4NG	15,000	135	111	100-277 VAC	5000K (cool white)	NEMA 6 (115°)
FLW476NC4NG	14,750	135	109	100-277 VAC	5000K (cool white)	NEMA 7x6 (140° x 115°)
FLW467NC4NG	14,750	135	109	100-277 VAC	5000K (cool white)	NEMA 6x7 (115° x 140°)
FLW455NC4NG	14,500	140	104	100-277 VAC	5000K (cool white)	NEMA 5 (93°)
FLW444NC4NG	14,500	140	104	100-277 VAC	5000K (cool white)	NEMA 4 (52°)
FLW422NC4NG	13,500	140	96	100-277 VAC	5000K (cool white)	NEMA 2 (23°)
FLW276NC2NG	11,500	106	108	100-277 VAC	5000K (cool white)	NEMA 7x6 (140° x 115°)
FLW267NC2NG	11,500	106	108	100-277 VAC	5000K (cool white)	NEMA 6x7 (115° x 140°)
FLW266NC2NG	11,250	106	106	100-277 VAC	5000K (cool white)	NEMA 6 (115°)
FLW255NC2NG	11,000	106	104	100-277 VAC	5000K (cool white)	NEMA 5 (93°)
FLW244NC2NG	10,500	106	99	100-277 VAC	5000K (cool white)	NEMA 4 (52°)
FLW222NC2NG	10,750	106	101	100-277 VAC	5000K (cool white)	NEMA 2 (23°)
100-277 VAC Models - Polycarbonate Lens						
FLW466NC4NP	14,000	135	104	100-277 VAC	5000K (cool white)	NEMA 6 (115°)
FLW476NC4NP	13,750	135	102	100-277 VAC	5000K (cool white)	NEMA 7x6 (140° x 115°)
FLW467NC4NP	13,750	135	102	100-277 VAC	5000K (cool white)	NEMA 6x7 (115° x 140°)
FLW455NC4NP	13,500	140	96	100-277 VAC	5000K (cool white)	NEMA 5 (93°)
FLW444NC4NP	13,500	140	96	100-277 VAC	5000K (cool white)	NEMA 4 (52°)
FLW422NC4NP	12,500	140	89	100-277 VAC	5000K (cool white)	NEMA 2 (23°)
FLW276NC2NP	10,500	106	99	100-277 VAC	5000K (cool white)	NEMA 7x6 (140° x 115°)
FLW267NC2NP	10,500	106	99	100-277 VAC	5000K (cool white)	NEMA 6x7 (115° x 140°)
FLW266NC2NP	10,250	106	97	100-277 VAC	5000K (cool white)	NEMA 6 (115°)
FLW255NC2NP	10,000	106	94	100-277 VAC	5000K (cool white)	NEMA 5 (93°)
FLW244NC2NP	9,500	106	89	100-277 VAC	5000K (cool white)	NEMA 4 (52°)
FLW222NC2NP	9,750	106	92	100-277 VAC	5000K (cool white)	NEMA 2 (23°)
347/480 VAC Models - Glass Lens Only						
FLW276NC5NG	11,750	112	105	347/480 VAC	5000K (cool white)	NEMA 7x6 (140° x 115°)
FLW266NC5NG	11,250	112	100	347/480 VAC	5000K (cool white)	NEMA 6 (115°)
FLW255NC5NG	10,000	112	89	347/480 VAC	5000K (cool white)	NEMA 5 (93°)
FLW244NC5NG	10,000	112	89	347/480 VAC	5000K (cool white)	NEMA 4 (52°)
FLW222NC5NG	10,000	112	89	347/480 VAC	5000K (cool white)	NEMA 2 (23°)

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

To order 100-277 VAC floodlight with slip fit adapter, please replace the 7th character with an S. Ex: FLW244NC2NG becomes FLW244SC2NG

Part numbers listed in the table above are powder coated gray. For bronze powder, coat replace the 10th character with Z. FLW244NC2NG becomes FLW244NC2ZG.

Part numbers listed in the table above are provided in Cool White. For Neutral White, replace the 8th character with N. Ex: FLW266NC2NG becomes FLW266NN2NG.

