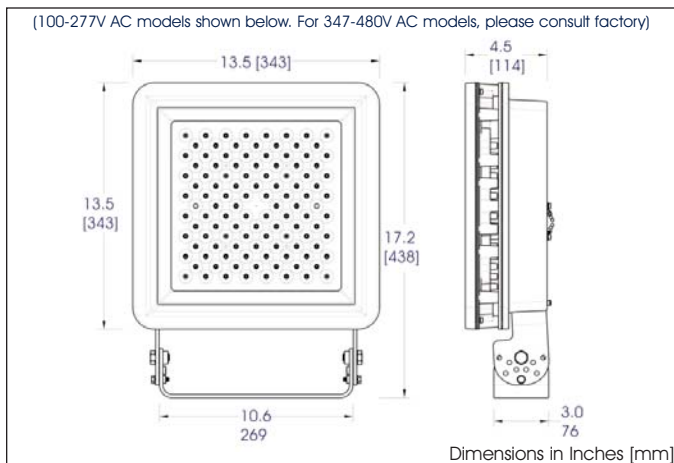




Patent Pending

## DuroSite® LED Floodlight



### Certifications & Ratings

- UL1598/A
- CSA 22.2 NO. 250
- Nema 4X
- IP 66/67

### Features & Benefits

- 10 year full performance warranty
- L70 rated for >100,000 hours @ 25°C ambient
- DLC listed (100-277V AC models)
- Instant on/off operation
- Universal input (100-277V AC, 50/60Hz or 347-480V AC, 60Hz)
- Superior color rendition index compared to HPS, LPS, MV
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life
- Factory sealed
- 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 flood lighting comparable with other traditional light sources.

### Mechanical Information

<b>Fixture Weight:</b>	
100-277V AC:	27 lb (12 kg)
347-480V AC:	30 lb (14 kg)
<b>Shipping Weight:</b>	
100-277V AC:	31 lb (14 kg)
347-480V AC:	34 lb (15.5 kg)
<b>EPA (Sq.ft):</b>	0.55 sq.ft
<b>Mounting:</b>	304 Stainless Steel trunnion mounting bracket included
<b>Entry:</b>	(2) 3/4" NPT cable entry

### Electrical specifications

<b>Operating Voltage:</b>	100-277V AC, 50/60Hz 347-480V AC, 60Hz
<b>Power Consumption:</b>	See table
<b>Operating Temp:</b>	-40°F to +149°F (-40°C to +65°C)
<b>Noise Requirements/ 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>	<15% typical (<20% maximum)
<b>Power Factor:</b>	> 0.9

### Construction

<b>Housing:</b>	
100-277V AC:	Die Cast aluminum
347-480V AC:	Sand Cast aluminum
<b>Finish:</b>	Polyester / Epoxy powder coat gray RAL 7040 for superior corrosion resistance
<b>Lens:</b>	Tempered glass

### Photometric Information

<b>CRI:</b>	70
<b>CCT:</b>	5,000K (cool 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°)
<b>IES Files:</b>	Available upon request

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



# DuroSite® LED Floodlight

## Order Codes

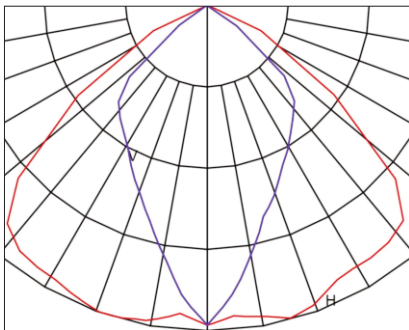
Part Number	Optical Pattern	Color	Initial Fixture Lumens	Wattage	Lumens Per Watt
100-277V AC Models					
FLW276NC2NG	Asymmetrical (140° x 115°)	Cool White	11,500	109	105
FLW267NC2NG	Asymmetrical (115° x 140°)	Cool White	11,500	109	105
FLW266NC2NG	Very Wide (115°)	Cool White	11,250	109	103
FLW255NC2NG	Wide (93°)	Cool White	11,000	109	101
FLW244NC2NG	Medium (52°)	Cool White	10,500	109	96
FLW222NC2NG	Narrow (23°)	Cool White	10,750	109	99
347-480V AC Models					
FLW276NC5NG	Asymmetrical (140° x 115°)	Cool White	11,750	113	104
FLW266NC5NG	Very Wide (115°)	Cool White	11,250	113	100
FLW255NC5NG	Wide (93°)	Cool White	10,000	112	89
FLW244NC5NG	Medium (52°)	Cool White	10,000	112	89
FLW222NC5NG	Narrow (23°)	Cool White	10,000	112	89

Part numbers listed in the above table are powder coated gray. For bronze powder coat, replace the 10th character with **Z**. FLW244NC2**NG** becomes FLW244NC2**ZG**

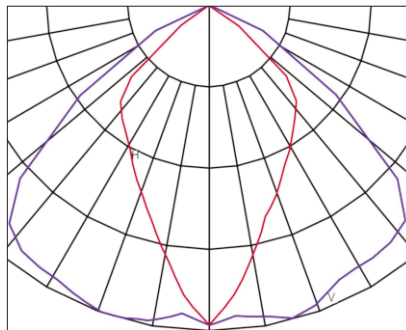
For Dialight's complete list of DLC qualified products, please click this link: [www.dialight.com/DLC](http://www.dialight.com/DLC)

## Optical Patterns

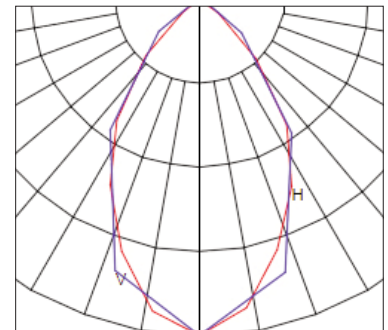
Asymmetrical  
Field angle = 140° x 115°



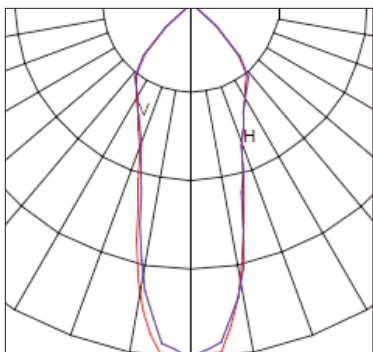
Asymmetrical  
Field angle = 115° x 140°



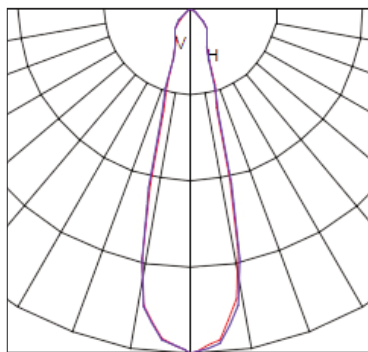
Very wide  
Field angle = 115°



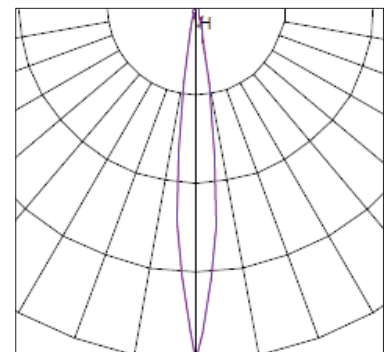
Wide  
Field angle = 93°






Medium  
Field angle = 52°









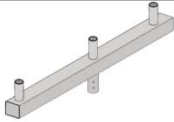
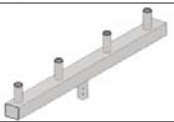


Narrow  
Field angle = 23°



# DuroSite® LED Floodlight - Mounting Options

	Part Number	Description	Kit Includes
Safety Cable Kit			
	HZXSAFECBLS	Safety cable Kit	2 Safety cables
Tenon adapter (Bronze)			
	<b>FLX-1TPT-20DB</b>	<b>Tenon pole topper, 2-3/8" mount</b>	<b>Tenon topper, pole set screws, and mounting hardware</b>
Stanchion Mount Junction Box (Grey)			
	HZXSTAN100S	1.00" (1.315" Pole OD) Slip-Fit Stanchion Mount Junction Box	Junction box Mounting hardware Cable gland
	HZXSTAN125S	1.25" (1.660" Pole OD) Slip-Fit Stanchion Mount Junction Box	
	HZXSTAN150S	1.50" (1.900" Pole OD) Slip-Fit Stanchion Mount Junction Box	
	<b>HZXSTAN200S</b>	<b>2.00" (2.375" Pole OD) Slip-Fit Stanchion Mount Junction Box</b>	
	HZXSTAN100T	1.00" NPT (1.315" Pole OD) Threaded Stanchion Mount Junction Box	
	HZXSTAN125T	1.25" NPT (1.660" Pole OD) Threaded Stanchion Mount Junction Box	
	HZXSTAN150T	1.50" NPT (1.900" Pole OD) Threaded Stanchion Mount Junction Box	
	HZXSTAN200T	2.00" NPT (2.375" Pole OD) Threaded Stanchion Mount Junction Box	

Brackets and Adapters below require either Tenon adapter (FLX-1TPT-20DB) or Stanchion Mount Junction Box (HZXSTAN200S) to mount floodlight. Tenon adapter and Stanchion Mount Junction Box sold separately.

	Part Number	Description	Kit Includes
Right Angle Bracket (Bronze)			
	FLX-1RAB-20DB	Right Angle mounting bracket for 2-3/8" light mount	Right Angle Bracket
Bull Horn Bracket (Bronze)			
	FLX-2LBH-20DB	Bull Horn for 2 lights, 2-3/8" mount, 26" spacing	Bull Horn Pole set screws
	FLX-3LBH-20DB	Bull Horn for 3 lights, 2-3/8" mount, 26" spacing	Bull Horn Pole set screws
	FLX-4LBH-20DB	Bull Horn for 4 lights, 2-3/8" mount, 26" spacing	Bull Horn Pole set screws
	FLX-4RBH-20DB	Bull Horn for 4 lights in star configuration, 2-3/8" mount, 26" spacing	Bull Horn Pole set screws
Round Square Round Bracket (Bronze)			
	FLX-2RSR-20DB	Round Square Round bracket for 2 lights, 2-3/8" mount, 26" spacing	Bull Horn Pole set screws
	FLX-3RSR-20DB	Round Square Round bracket for 3 lights, 2-3/8" mount, 26" spacing	Bull Horn Pole set screws
	FLX-4RSR-20DB	Round Square Round bracket for 4 lights, 2-3/8" mount, 26" spacing	Bull Horn Pole set screws
Round Tenon adapter (Bronze)			
	FLX-3RPA-20DB	Reducer for 3" OD round pole top to 2-3/8" light mount	Reducer Pole set screws
	FLX-4RPA-20DB	Reducer for 4" OD round pole top to 2-3/8" light mount	Reducer Pole set screws
Square Tenon adapter (Bronze)			
	FLX-4SPA-20DB	Internal tenon adapter for 4" square pole top to 2-3/8" light mount	Adapter
	FLX-5SPA-20DB	Internal tenon adapter for 5" square pole top to 2-3/8" light mount	Adapter
	FLX-6SPA-20DB	Internal tenon adapter for 6" square pole top to 2-3/8" light mount	Adapter

Tenon adapter (FLX-1TPT-20DB) or Stanchion Mount Junction Box (HZXSTAN200S) sold separately.

# DuroSite® LED Floodlight

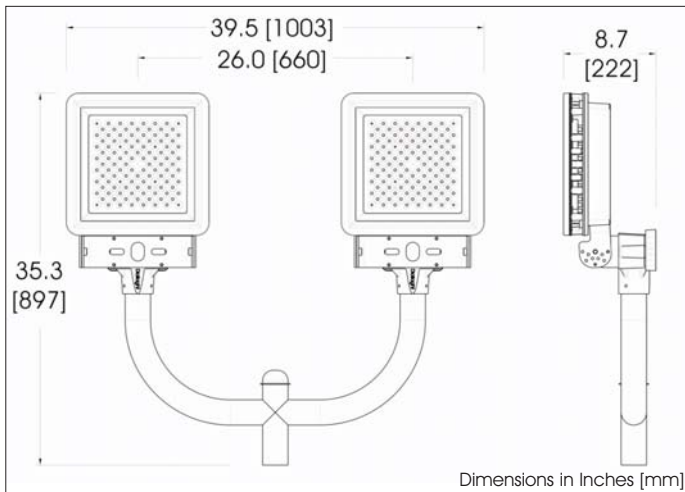
## Mounting Options



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

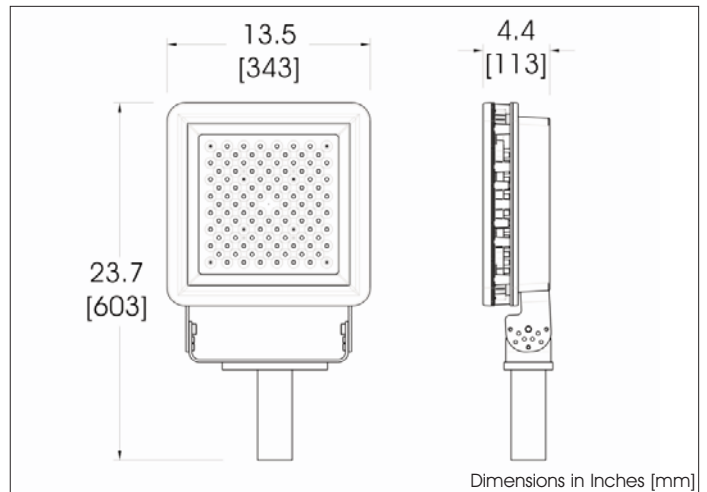
### FLX-2LBH-20DB Dimensions

(100-277V AC models shown below. For 347-480V AC models, please consult factory)



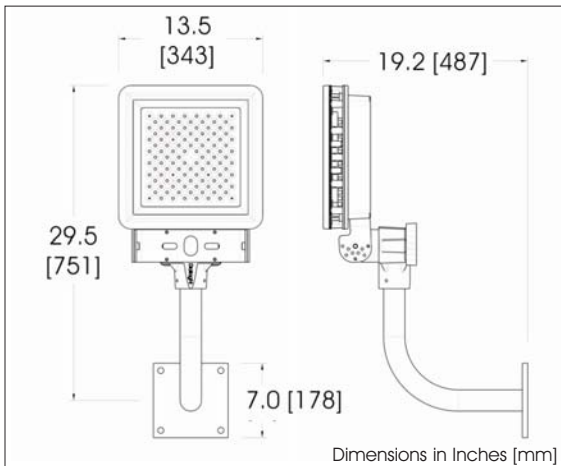
### FLX-1TPT-20DB Dimensions

(100-277V AC models shown below. For 347-480V AC models, please consult factory)



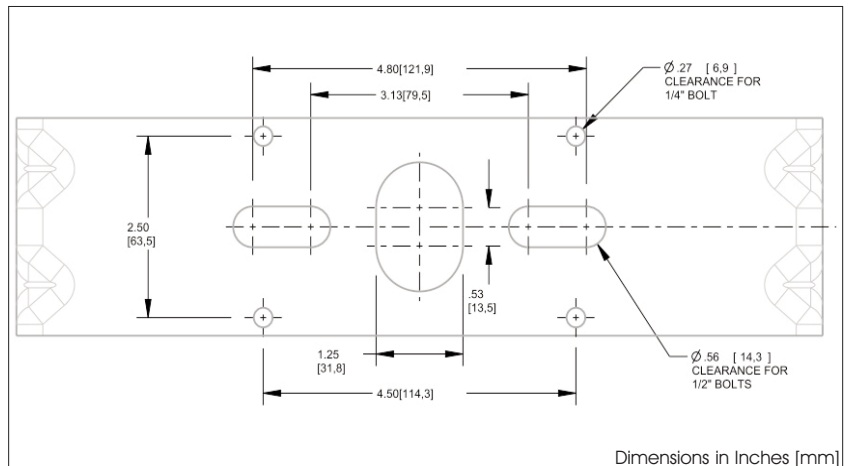
### FLX-1RAB-20DB Dimensions

(100-277V AC models shown below. For 347-480V AC models, please consult factory)



### Factory Installed Mounting Bracket Dimensions

(100-277V AC models shown below. For 347-480V AC models, please consult factory)



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