

.....Dialight



DuroSite[®] LED Floodlight - CE

for Outdoor Industrial Applications

CE

JANUARY 2021



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

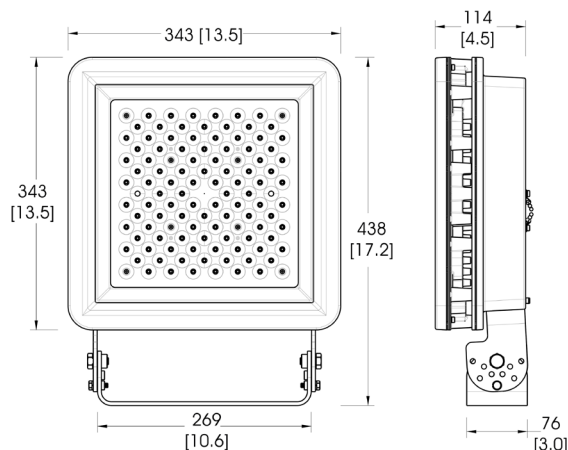
Application

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



Dimensions in mm (inches)

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
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 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-1
Transient protection:	EN61000-4-5 Verified up to 6kV/20ohms 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 (93°) Medium (52°) Narrow (23°)

IES Files: Available at www.dialight.com

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

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DuroSite® LED Floodlight - CE

Ordering Information

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

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: FLE244NC2NG becomes FLE244NC2ZG.

Part numbers listed in the table above are provided in Cool White. For Neutral White, replace the 8th character with **N**. Ex: FLE266MC2NG becomes FLE266MN2NG.

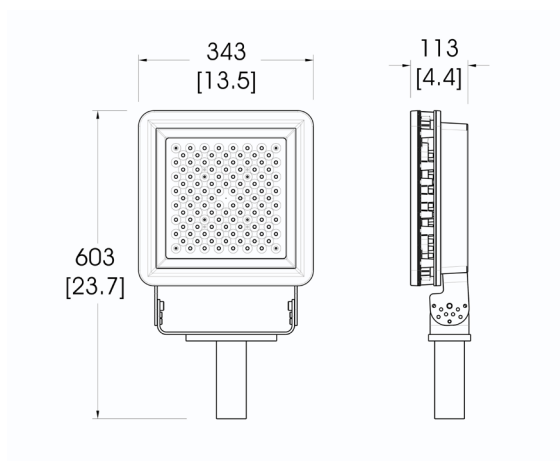
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DuroSite® LED Floodlight - CE Mounting Accessories

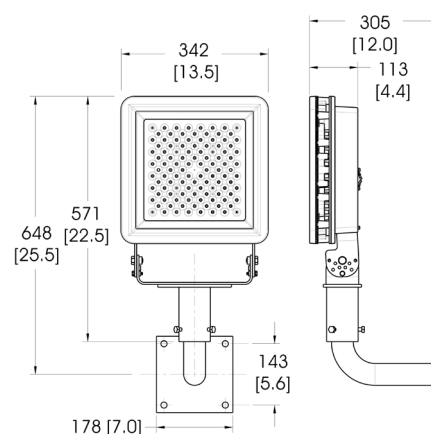


Product shipped with bracket installed
(Bracket has locking positions at 0°, (±) 22.5°, (±) 45°, (±) 67.5°, and 90°)

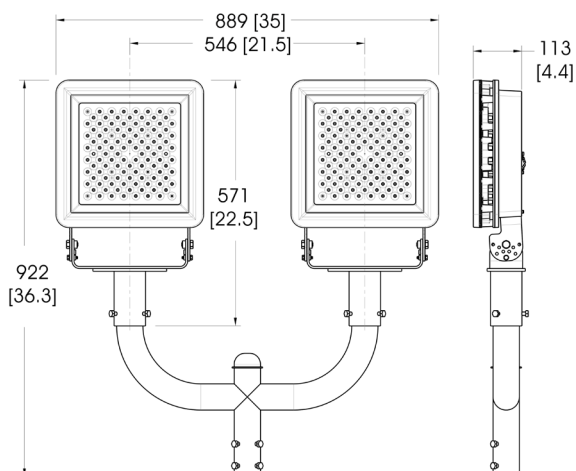
FLX-1TPT-20DB



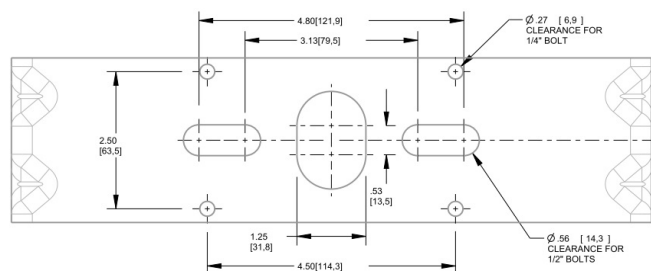
FLX-1RAB-20DB



FLX-2LBH-20DB



Factory Installed Mounting Bracket



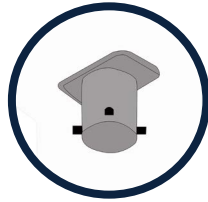
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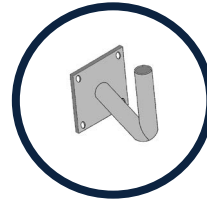
HZXSAFECBLS

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



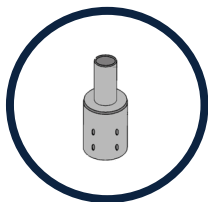
FLX-1TPT-20DB¹

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



FLX-1RAB-20DB

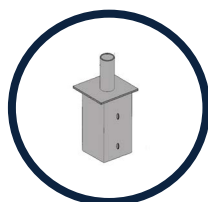
- Right angle mounting bracket for 2-3/8" light mount
- Kit includes: Right angle bracket



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

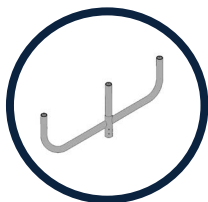
FLX-6SPA-20DB

- 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



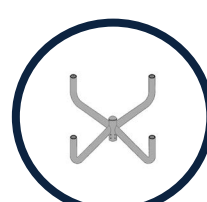
FLX-3LBH-20DB

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



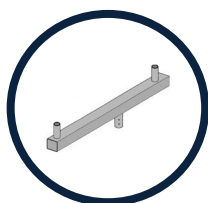
FLX-4LBH-20DB

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



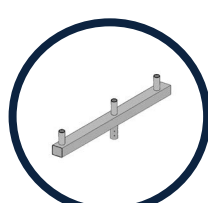
FLX-4RBH-20DB

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



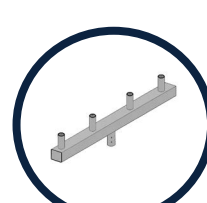
FLX-2RSR-20DB

- 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



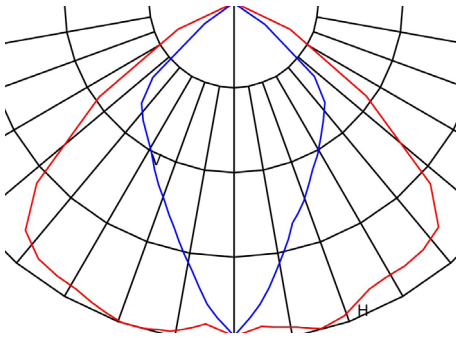
FLX-4RSR-20DB

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

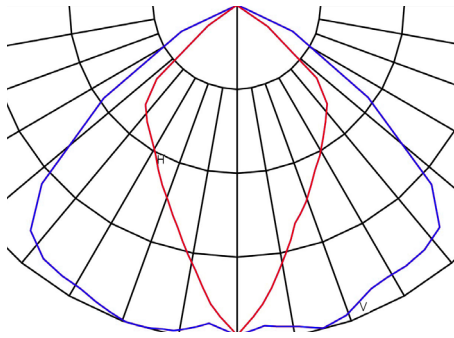
¹Brackets and adapters require the tenon pole topper (FLX-1TPT-20DB) to mount floodlight. Tenon pole topper sold separately.

DuroSite® LED Floodlight - CE

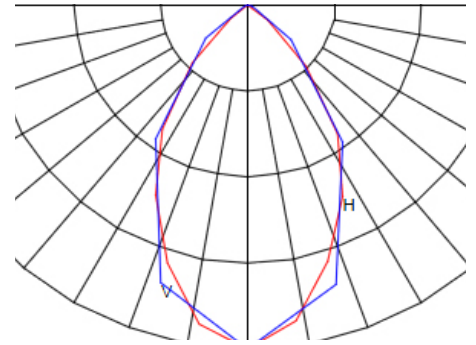
Beam Distribution



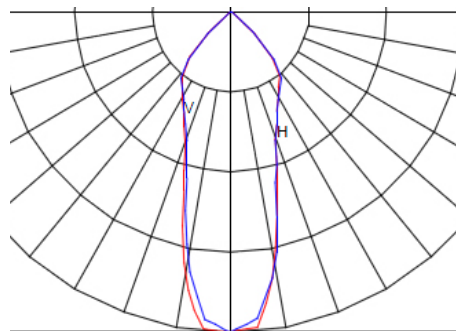
Field angle = $140^{\circ} \times 115^{\circ}$



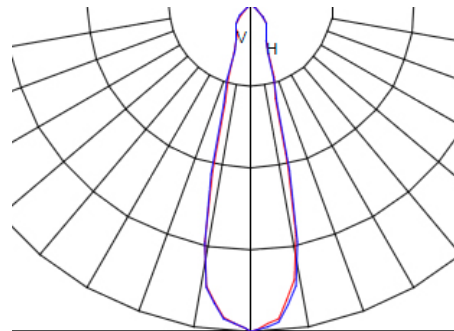
Field angle = $115^{\circ} \times 140^{\circ}$



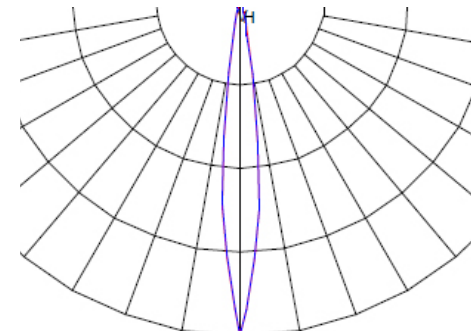
Field angle = 115°



Field angle = 93°



Field angle = 52°



Field angle = 23°

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