

SafeSite® LED Floodlight - UL 844 for Indoor & Outdoor Hazardous Applications





Features & Benefits

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

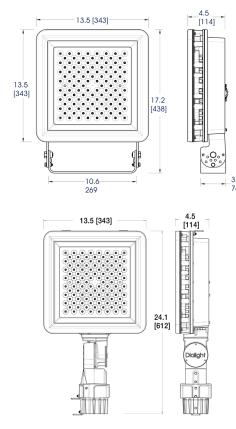
Application

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

Standard Model & Slipfitter Model



Slipfitter Models



Dimensions in inches [mm]

Temperature Ratings									
Ambient Temperature Range T4A Temperature Code	Ambient Temperature Range T5 Temperature Code								
15,000 - 13,500lm models	11,500 - 10,750lm models								
-40°F to +149°F (-40°C to +65°C)	-40°F to +149°F (-40°C to +65°C)								

Certifications & Ratings

• Class I, Div. 2 Groups A, B, C & D • NEMA 4X

• Class II, Div. 1 Groups E, F & G

• Class II, Div. 2 Groups F & G

 Class III UL 844

Entries:

CSA C22.2 No. 137

IP66/67

• IK07 (Glass) / IK10 (Polycarbonate)

• ABS # 14-HS1209391-PDA

(Trunnion mount models only)

Mechanical Information:

Fixture weight: 30 lb (13.6 kg)

Shipping weight: 35 lb (15.9 kg)

EPA (Sq.ft): 1.66

Mounting: 304 Stainless Steel trunnion

mount bracket (standard)

Integral slipfitter (optional for CID2 only)

(2) 3/4" NPT cable entries (Trunnion mount models only)

Electrical Specifications:

Operating voltage: 100-277 VAC, 50/60Hz 347-480 VAC, 50/60Hz

Power consumption: See table

-40°F to +149°F (-40°C to +65°C) Operating temp:

Noise requirement /EMC:

EN 55015 - conducted and radiated FCC Title 47, Subpart B, Section 15, Class A device. RF Immunity; 10V/m,

80MHz-1GHz

Surge protection:

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 aluminum Finish: Superior dual coat finish

sealed polyester topcoat

- chemical resistant epoxy primer

Lens: Tempered glass Polycarbonate

Photometric Information:

CRI:

5000K (cool white) 4000K (neutral white) CCT:

7x6 - Asymmetrical (140° x 115°) 6x7 - Asymmetrical (115° x 140°) **NEMA Patterns:**

6 - Very wide (115°) 5 - Wide (93°) 4 - Medium (52°) 2 - 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.

Mounting Accessories



HZXSAFECBLS

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



FLX-1TPT-20DB

- Tenon pole topper, 2-3/8" mount (Trunnion mount models only)
- 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

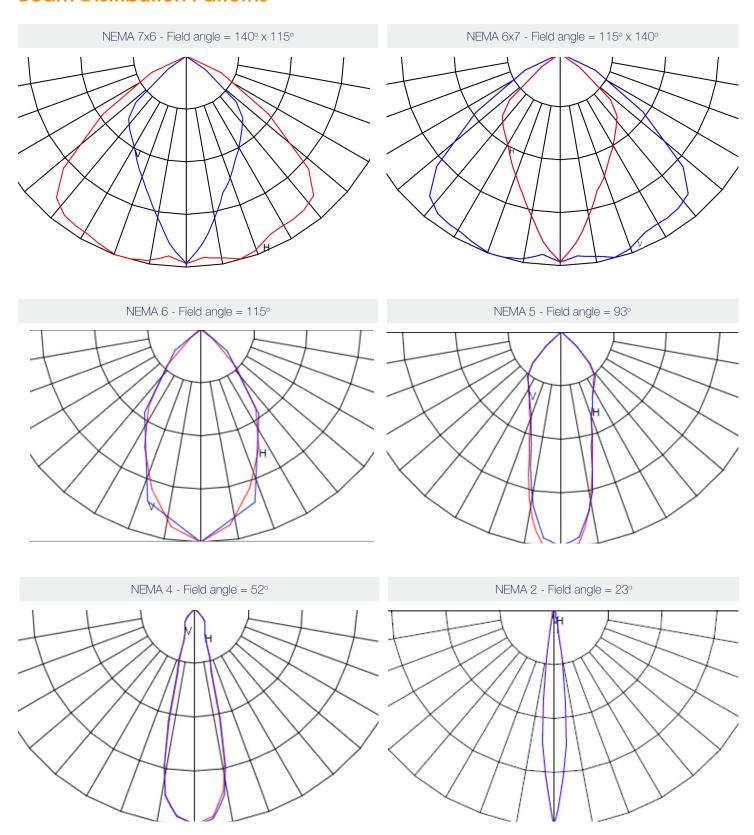


FLX-4RSR-20DB

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

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

Beam Distribution Patterns



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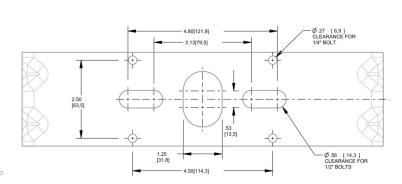
Mounting Options

Standard Models



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

Factory Installed Mounting Bracket

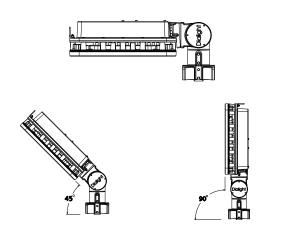


Slipfitter Models



Mount to 2" round poles (2-3/8" OD) Integrated Slipfitter has locking positions from 0°-180°, in 7.5° increments Gasketed wiring compartment

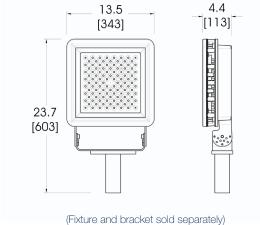
0°, 45°, 90° Angles



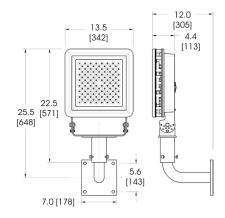
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Mounting Options

FLX-1TPT-20DB

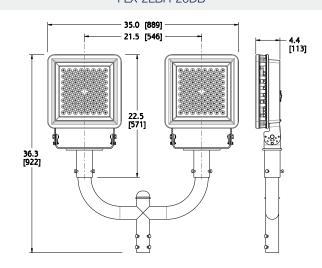


FLX-1RAB-20DB



(Fixture and bracket sold separately)

FLX-2LBH-20DB



(Fixture and bracket sold separately)

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Ordering Information - Standard Model

Classifications: CID2 A, B, C, D • CIID1 E, F, G • CIID2 F, G • CIII

New Part Number	CID2	CIID1	CIID2	CIII	Fixture Lumens	Wattage	lm/W	Voltage	Beam Distribution
		100-	-277 VAC) Mode	els - Glass Le	ens, 5000K			
FLD76B2BNTNNGN	•	•	•	•	15,000	135	111	100-277 VAC	NEMA 6 (115°)
FLD77B2BNTNNGN	•	•	•	•	14,750	135	109	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD78B2BNTNNGN	•	•	•	•	14,750	135	109	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD75B2BNTNNGN	•	•	•	•	14,500	140	104	100-277 VAC	NEMA 5 (93°)
FLD74B2BNTNNGN	•	•	•	•	14,500	140	104	100-277 VAC	NEMA 4 (52°)
FLD72B2BNTNNGN	•	•	•	•	13,500	140	96	100-277 VAC	NEMA 2 (23°)
FLD77B2ANTNNGN	•	•	•	•	11,500	106	108	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD78B2ANTNNGN	•	•	•	•	11,500	106	108	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD76B2ANTNNGN	•	•	•	•	11,250	106	106	100-277 VAC	NEMA 6 (115°)
FLD75B2ANTNNGN	•	•	•	•	11,000	106	104	100-277 VAC	NEMA 5 (93°)
FLD74B2ANTNNGN	•	•	•	•	10,500	106	99	100-277 VAC	NEMA 4 (52°)
FLD72B2ANTNNGN	•	•	•	•	10,750	106	101	100-277 VAC	NEMA 2 (23°)
	1	100-277	VAC Mo	dels -	Polycarbona	te Lens, 500	00K		
FLD46B2BNTNNGN	•				14,000	135	104	100-277 VAC	NEMA 6 (115°)
FLD47B2BNTNNGN	•				13,750	135	102	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD48B2BNTNNGN	•				13,750	135	102	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD45B2BNTNNGN	•				13,500	140	96	100-277 VAC	NEMA 5 (93°)
FLD44B2BNTNNGN	•				13,500	140	96	100-277 VAC	NEMA 4 (52°)
FLD42B2BNTNNGN	•				12,500	140	89	100-277 VAC	NEMA 2 (23°)
FLD47B2ANTNNGN	•				10,500	106	99	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD48B2ANTNNGN	•				10,500	106	99	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD46B2ANTNNGN	•				10,250	106	97	100-277 VAC	NEMA 6 (115°)
FLD45B2ANTNNGN	•				10,000	106	94	100-277 VAC	NEMA 5 (93°)
FLD44B2ANTNNGN	•				9,500	106	90	100-277 VAC	NEMA 4 (52°)
FLD42B2ANTNNGN	•				9,750	106	92	100-277 VAC	NEMA 2 (23°)
		347-48	BO VAC N	/lodels	- Glass Lens	Only, 5000	K		
FLD76B5BNTNNGN	•	•	•	•	15,000	135	111	347/480 VAC	NEMA 6 (115°)
FLD77B5BNTNNGN	•	•	•	•	14,750	135	109	347/480 VAC	NEMA 7x6 (140° x 115°)
FLD78B5BNTNNGN	•	•	•	•	14,750	135	109	347/480 VAC	NEMA 6x7 (115° x 140°)
FLD75B5BNTNNGN	•	•	•	•	14,500	140	104	347/480 VAC	NEMA 5 (93°)
FLD74B5BNTNNGN	•	•	•	•	14,500	140	104	347/480 VAC	NEMA 4 (52°)
FLD72B5BNTNNGN	•	•	•	•	13,500	140	96	347/480 VAC	NEMA 2 (23°)
	•	•	•	•				347/480 VAC	NEMA 7x6 (140° x 115°)
FLD78B5ANTNNGN	•	•	•	•			105	347/480 VAC	NEMA 6x7 (115° x 140°)
		•		•					NEMA 6 (115°)
		•							NEMA 5 (93°)
FLD74B5ANTNNGN	•	•	•	•	10,000	112	89	347/480 VAC	NEMA 4 (52°)
						114	00	1 0+1/400 VAO 1	
	FLD46B2BNTNNGN FLD75B2ANTNNGN FLD76B2BNTNNGN FLD75B2BNTNNGN FLD77B2BNTNNGN FLD77B2ANTNNGN FLD77B2ANTNNGN FLD76B2ANTNNGN FLD75B2ANTNNGN FLD75B2ANTNNGN FLD74B2ANTNNGN FLD74B2ANTNNGN FLD74B2ANTNNGN FLD4B2BNTNNGN FLD47B2BNTNNGN FLD48B2BNTNNGN FLD44B2BNTNNGN FLD44B2BNTNNGN FLD45B2BNTNNGN FLD45B2ANTNNGN FLD45B2ANTNNGN FLD47B2ANTNNGN FLD45B2ANTNNGN FLD46B2ANTNNGN FLD46B2ANTNNGN FLD46B2ANTNNGN FLD46B2ANTNNGN FLD46B2ANTNNGN FLD46B2ANTNNGN FLD46B2ANTNNGN FLD46B2ANTNNGN FLD76B5BNTNNGN FLD77B5BNTNNGN FLD77B5BNTNNGN FLD78B5BNTNNGN FLD74B5BNTNNGN FLD74B5BNTNNGN FLD74B5BNTNNGN FLD74B5BNTNNGN FLD74B5BNTNNGN FLD74B5BNTNNGN FLD74B5BNTNNGN	FLD76B2BNTNNGN • FLD77B2BNTNNGN • FLD75B2BNTNNGN • FLD74B2BNTNNGN • FLD74B2BNTNNGN • FLD77B2BNTNNGN • FLD77B2ANTNNGN • FLD76B2ANTNNGN • FLD76B2ANTNNGN • FLD76B2ANTNNGN • FLD74B2ANTNNGN • FLD74B2ANTNNGN • FLD74B2ANTNNGN • FLD74B2BNTNNGN • FLD4B2BNTNNGN • FLD48B2BNTNNGN • FLD48B2BNTNNGN • FLD48B2BNTNNGN • FLD48B2BNTNNGN • FLD48B2BNTNNGN • FLD48B2ANTNNGN • FLD46B2ANTNNGN • FLD46B2ANTNNGN • FLD46B2ANTNNGN • FLD76B5BNTNNGN • FLD76B5BNTNNGN • FLD76B5BNTNNGN • FLD77B5BNTNNGN • FLD74B5BNTNNGN • FLD74B5BNTNNGN • FLD74B5BNTNNGN • FLD74B5BNTNNGN • FLD75B5BNTNNGN • FLD76B5BNTNNGN • FLD77B5BNTNNGN •	Table Tabl	TOD	TOP TOP	Too-277 VAC Models - Glass Let	Total	Number Clip Clip Clip Clip Lumens Wattage Im/W	Name

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

Part numbers listed in the table above are powder coated gray. For trunnion mount models with bronze powder coat replace the 10th character with \underline{Z} . Part numbers listed in the table above are cool white. For neutral white models, replace the 8th character with an N.

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Ordering Information - Slipfitter Model

Classifications: CID2 A, B, C, D

Legacy Part Number	New Part Number	CID2	CIID1	CIID2	CIII	Fixture Lumens	Wattage	lm/W	Voltage	Beam Distribution
			100	-277 VAC	C Mode	els - Glass Le	ens, 5000K			
FLD466SC4NG	FLD76B2BNSNNGN	•				15,000	135	111	100-277 VAC	NEMA 6 (115°)
FLD476SC4NG	FLD77B2BNSNNGN	•				14,750	135	109	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD467SC4NG	FLD78B2BNSNNGN	•				14,750	135	109	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD455SC4NG	FLD75B2BNSNNGN	•				14,500	140	104	100-277 VAC	NEMA 5 (93°)
FLD444SC4NG	FLD74B2BNSNNGN	•				14,500	140	104	100-277 VAC	NEMA 4 (52°)
FLD422SC4NG	FLD72B2BNSNNGN	•				13,500	140	96	100-277 VAC	NEMA 2 (23°)
FLD276SC2NG	FLD77B2ANSNNGN	•				11,500	106	108	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD267SC2NG	FLD78B2ANSNNGN	•				11,500	106	108	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD266SC2NG	FLD76B2ANSNNGN	•				11,250	106	106	100-277 VAC	NEMA 6 (115°)
FLD255SC2NG	FLD75B2ANSNNGN	•				11,000	106	104	100-277 VAC	NEMA 5 (93°)
FLD244SC2NG	FLD74B2ANSNNGN	•				10,500	106	99	100-277 VAC	NEMA 4 (52°)
FLD222SC2NG	FLD72B2ANSNNGN	•				10,750	106	101	100-277 VAC	NEMA 2 (23°)
			100-277	VAC Mo	dels -	Polycarbona	te Lens, 500	00K		
FLD466SC4NP	FLD46B2BNSNNGN	•				14,000	135	104	100-277 VAC	NEMA 6 (115°)
FLD476SC4NP	FLD47B2BNSNNGN	•				13,750	135	102	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD467SC4NP	FLD48B2BNSNNGN	•				13,750	135	102	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD455SC4NP	FLD45B2BNSNNGN	•				13,500	140	96	100-277 VAC	NEMA 5 (93°)
FLD444SC4NP	FLD44B2BNSNNGN	•				13,500	140	96	100-277 VAC	NEMA 4 (52°)
FLD422SC4NP	FLD42B2BNSNNGN	•				12,500	140	89	100-277 VAC	NEMA 2 (23°)
FLD276SC2NP	FLD47B2ANSNNGN	•				10,500	106	99	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD267SC2NP	FLD48B2ANSNNGN	•				10,500	106	99	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD266SC2NP	FLD46B2ANSNNGN	•				10,250	106	97	100-277 VAC	NEMA 6 (115°)
FLD255SC2NP	FLD45B2ANSNNGN	•				10,000	106	94	100-277 VAC	NEMA 5 (93°)
FLD244SC2NP	FLD44B2ANSNNGN	•				9,500	106	90	100-277 VAC	NEMA 4 (52°)
FLD222SC2NP	FLD42B2ANSNNGN	•				9,750	106	92	100-277 VAC	NEMA 2 (23°)
			347-48	BO VAC N	/lodels	- Glass Lens	Only, 5000	K		
FLD466SC5NG	FLD76B5BNSNNGN	•				15,000	135	111	347/480 VAC	NEMA 6 (115°)
FLD476SC5NG	FLD77B5BNSNNGN	•				14,750	135	109	347/480 VAC	NEMA 7x6 (140° x 115°)
FLD467SC5NG	FLD78B5BNSNNGN	•				14,750	135	109	347/480 VAC	NEMA 6x7 (115° x 140°)
FLD455SC5NG	FLD75B5BNSNNGN	•		İ		14,500	140	104	347/480 VAC	NEMA 5 (93°)
FLD444SC5NG	FLD74B5BNSNNGN	•			İ	14,500	140	104	347/480 VAC	NEMA 4 (52°)
FLD422SC5NG	FLD72B5BNSNNGN	•				13,500	140	96	347/480 VAC	NEMA 2 (23°)
FLD276SC5NG	FLD77B5ANSNNGN					11,750	112	105	347/480 VAC	NEMA 7x6 (140° x 115°)
FLD267SC5NG	FLD78B5ANSNNGN	•				11,750	112	105	347/480 VAC	NEMA 6x7 (115° x 140°)
FLD266SC5NG	FLD76B5ANSNNGN	•				11,250	112	100	347/480 VAC	NEMA 6 (115°)
FLD255SC5NG	FLD75B5ANSNNGN	•				10,000	112	89	347/480 VAC	NEMA 5 (93°)
FLD244SC5NG	FLD74B5ANSNNGN	•				10,000	112	89	347/480 VAC	NEMA 4 (52°)
										, ,
FLD222SC5NG	FLD72B5ANSNNGN	•				10,000	112	89	347/480 VAC	NEMA 2 (23°)

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

Part numbers listed in the table above are cool white. For neutral white models, replace the 8th character with an N.

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