

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

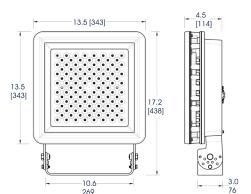
Application

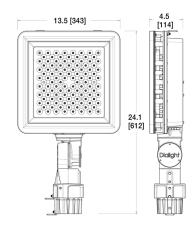
The SafeSite® LED Floodlight represents the future of energy efficient facility illumination for hazardous applications worldwide. The fixture consumes at least 50% less energy than traditional HID light sources, while reducing maintenance and improving light quality. This light incorporates both cutting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

Standard Model & Slipfitter Model









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

• Class II, Div. 1 Groups E, F & G

• Class II, Div. 2 Groups F & G

 Class III UL 844

CSA C22.2 No. 137

NEMA 4X

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) **Entries:**

Electrical Specifications:

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

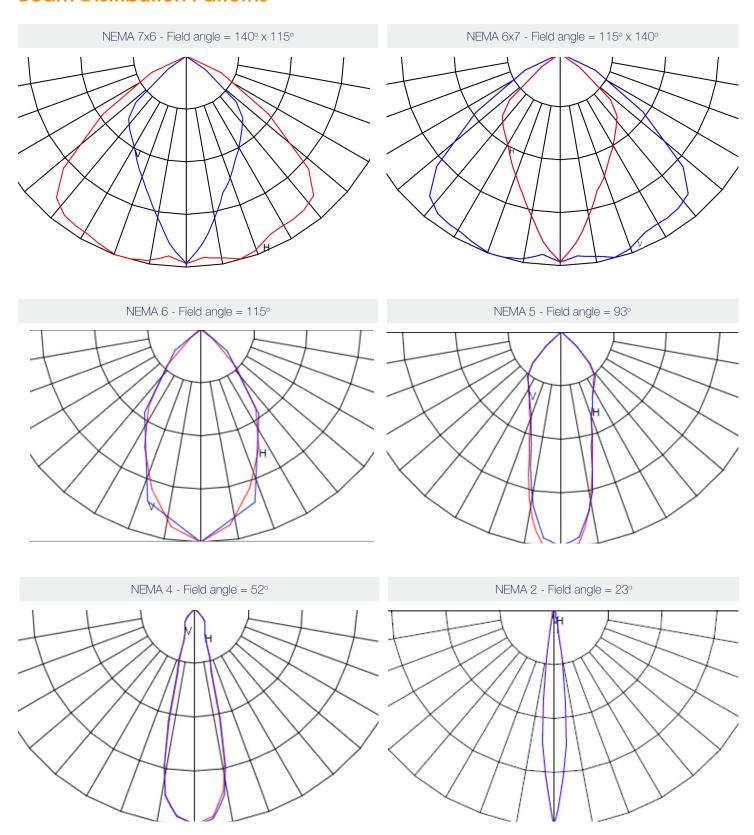


FLX-4RSR-20DB

- 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

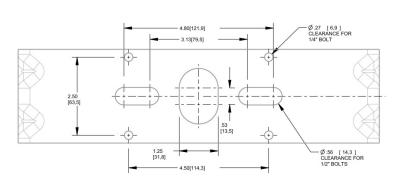


Standard Models



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

Factory Installed Mounting Bracket

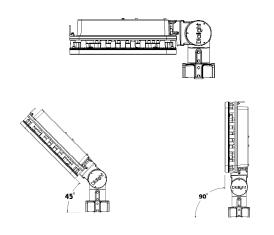


Slipfitter Models



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

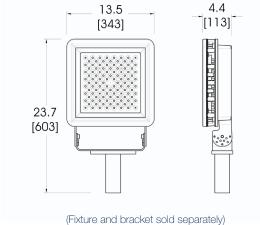
0°, 45°, 90° Angles



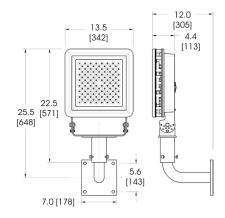
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Mounting Options

FLX-1TPT-20DB

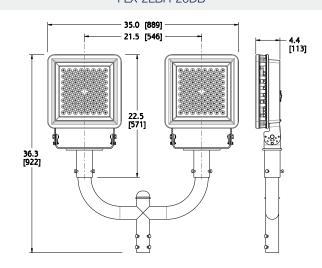


FLX-1RAB-20DB



(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

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			
FLD466NC4NGLX	FLD76B2BNTNNGNLX	•	•	•	•	15,000	135	111	100-277 VAC	NEMA 6 (115°)
FLD476NC4NGLX	FLD77B2BNTNNGNLX	•	•	•	•	14,750	135	109	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD467NC4NGLX	FLD78B2BNTNNGNLX	•	•	•	•	14,750	135	109	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD455NC4NGLX	FLD75B2BNTNNGNLX	•	•	•	•	14,500	140	104	100-277 VAC	NEMA 5 (93°)
FLD444NC4NGLX	FLD74B2BNTNNGNLX	•	•	•	•	14,500	140	104	100-277 VAC	NEMA 4 (52°)
FLD422NC4NGLX	FLD72B2BNTNNGNLX	•	•	•	•	13,500	140	96	100-277 VAC	NEMA 2 (23°)
FLD276NC2NGLX	FLD77B2ANTNNGNLX	•	•	•	•	11,500	106	108	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD267NC2NGLX	FLD78B2ANTNNGNLX	•	•	•	•	11,500	106	108	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD266NC2NGLX	FLD76B2ANTNNGNLX	•	•	•	•	11,250	106	106	100-277 VAC	NEMA 6 (115°)
FLD255NC2NGLX	FLD75B2ANTNNGNLX	•	•	•	•	11,000	106	104	100-277 VAC	NEMA 5 (93°)
FLD244NC2NGLX	FLD74B2ANTNNGNLX	•	•	•	•	10,500	106	99	100-277 VAC	NEMA 4 (52°)
FLD222NC2NGLX	FLD72B2ANTNNGNLX	•	•	•	•	10,750	106	101	100-277 VAC	NEMA 2 (23°)
100-277 VAC Models - Polycarbonate Lens, 5000K										
FLD466NC4NPLX	FLD46B2BNTNNGNLX	•				14,000	135	104	100-277 VAC	NEMA 6 (115°)
FLD476NC4NPLX	FLD47B2BNTNNGNLX	•				13,750	135	102	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD467NC4NPLX	FLD48B2BNTNNGNLX	•				13,750	135	102	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD455NC4NPLX	FLD45B2BNTNNGNLX	•				13,500	140	96	100-277 VAC	NEMA 5 (93°)
FLD444NC4NPLX	FLD44B2BNTNNGNLX	•				13,500	140	96	100-277 VAC	NEMA 4 (52°)
FLD422NC4NPLX	FLD42B2BNTNNGNLX	•				12,500	140	89	100-277 VAC	NEMA 2 (23°)
FLD276NC2NPLX	FLD47B2ANTNNGNLX	•				10,500	106	99	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD267NC2NPLX	FLD48B2ANTNNGNLX	•				10,500	106	99	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD266NC2NPLX	FLD46B2ANTNNGNLX	•				10,250	106	97	100-277 VAC	NEMA 6 (115°)
FLD255NC2NPLX	FLD45B2ANTNNGNLX	•				10,000	106	94	100-277 VAC	NEMA 5 (93°)
FLD244NC2NPLX	FLD44B2ANTNNGNLX	•				9,500	106	90	100-277 VAC	NEMA 4 (52°)
FLD222NC2NPLX	FLD42B2ANTNNGNLX	•				9,750	106	92	100-277 VAC	NEMA 2 (23°)
			347/48	30 VAC N	/lodels	- Glass Lens	Only, 5000	K		
FLD466NC5NGLX	FLD76B5BNTNNGNLX	•	•	•	•	15,000	135	111	347/480 VAC	NEMA 6 (115°)
FLD476NC5NGLX	FLD77B5BNTNNGNLX	•	•	•	•	14,750	135	109	347/480 VAC	NEMA 7x6 (140° x 115°)
FLD467NC5NGLX	FLD78B5BNTNNGNLX	•	•	•	•	14,750	135	109	347/480 VAC	NEMA 6x7 (115° x 140°)
FLD455NC5NGLX	FLD75B5BNTNNGNLX	•	•	•	•	14,500	140	104	347/480 VAC	NEMA 5 (93°)
FLD444NC5NGLX	FLD74B5BNTNNGNLX	•	•	•	•	14,500	140	104	347/480 VAC	NEMA 4 (52°)
FLD422NC5NGLX	FLD72B5BNTNNGNLX	•	•	•	•	13,500	140	96	347/480 VAC	NEMA 2 (23°)
FLD276NC5NGLX	FLD77B5ANTNNGNLX	•		•	•	11,750	112	105	347/480 VAC	NEMA 7x6 (140° x 115°)
	FLD78B5ANTNNGNLX	•		•		11,750	112	105	347/480 VAC	NEMA 6x7 (115° x 140°)
<u> </u>	FLD76B5ANTNNGNLX	•	•		•	11,250	112	100	347/480 VAC	NEMA 6 (115°)
	FLD75B5ANTNNGNLX	•	•		•	10,000	112	89	347/480 VAC	NEMA 5 (93°)
	FLD74B5ANTNNGNLX	•			•	10,000	112	89	347/480 VAC	NEMA 4 (52°)
	FLD72B5ANTNNGNLX	•	•	•	•	10,000	112	89	347/480 VAC	NEMA 2 (23°)
FLD222INCSINGLA	ILD/2B3ANTINIGNLA					10,000	112	09	041/400 VAC	INEIVIA Z (ZO)

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			
FLD466SC4NGLX	FLD76B2BNSNNGNLX	•				15,000	135	111	100-277 VAC	NEMA 6 (115°)
FLD476SC4NGLX	FLD77B2BNSNNGNLX	•				14,750	135	109	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD467SC4NGLX	FLD78B2BNSNNGNLX	•				14,750	135	109	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD455SC4NGLX	FLD75B2BNSNNGNLX	•		ĺ		14,500	140	104	100-277 VAC	NEMA 5 (93°)
FLD444SC4NGLX	FLD74B2BNSNNGNLX	•				14,500	140	104	100-277 VAC	NEMA 4 (52°)
FLD422SC4NGLX	FLD72B2BNSNNGNLX	•				13,500	140	96	100-277 VAC	NEMA 2 (23°)
FLD276SC2NGLX	FLD77B2ANSNNGNLX	•				11,500	106	108	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD267SC2NGLX	FLD78B2ANSNNGNLX	•				11,500	106	108	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD266SC2NGLX	FLD76B2ANSNNGNLX	•				11,250	106	106	100-277 VAC	NEMA 6 (115°)
FLD255SC2NGLX	FLD75B2ANSNNGNLX	•				11,000	106	104	100-277 VAC	NEMA 5 (93°)
FLD244SC2NGLX	FLD74B2ANSNNGNLX	•				10,500	106	99	100-277 VAC	NEMA 4 (52°)
FLD222SC2NGLX	FLD72B2ANSNNGNLX	•				10,750	106	101	100-277 VAC	NEMA 2 (23°)
100-277 VAC Models - Polycarbonate Lens, 5000K										
FLD466SC4NPLX	FLD46B2BNSNNGNLX	•				14,000	135	104	100-277 VAC	NEMA 6 (115°)
FLD476SC4NPLX	FLD47B2BNSNNGNLX	•				13,750	135	102	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD467SC4NPLX	FLD48B2BNSNNGNLX	•				13,750	135	102	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD455SC4NPLX	FLD45B2BNSNNGNLX	•				13,500	140	96	100-277 VAC	NEMA 5 (93°)
FLD444SC4NPLX	FLD44B2BNSNNGNLX	•				13,500	140	96	100-277 VAC	NEMA 4 (52°)
FLD422SC4NPLX	FLD42B2BNSNNGNLX	•				12,500	140	89	100-277 VAC	NEMA 2 (23°)
FLD276SC2NPLX	FLD47B2ANSNNGNLX	•				10,500	106	99	100-277 VAC	NEMA 7x6 (140° x 115°)
FLD267SC2NPLX	FLD48B2ANSNNGNLX	•				10,500	106	99	100-277 VAC	NEMA 6x7 (115° x 140°)
FLD266SC2NPLX	FLD46B2ANSNNGNLX	•				10,250	106	97	100-277 VAC	NEMA 6 (115°)
FLD255SC2NPLX	FLD45B2ANSNNGNLX	•				10,000	106	94	100-277 VAC	NEMA 5 (93°)
FLD244SC2NPLX	FLD44B2ANSNNGNLX	•				9,500	106	90	100-277 VAC	NEMA 4 (52°)
FLD222SC2NPLX	FLD42B2ANSNNGNLX	•				9,750	106	92	100-277 VAC	NEMA 2 (23°)
			347/48	30 VAC N	/lodels	- Glass Lens	Only, 5000	K		
FLD466SC5NGLX	FLD76B5BNSNNGNLX	•				15,000	135	111	347/480 VAC	NEMA 6 (115°)
FLD4768C5NGLX	FLD77B5BNSNNGNLX	•				14,750	135	109	347/480 VAC	NEMA 7x6 (140° x 115°)
FLD467SC5NGLX	FLD78B5BNSNNGNLX	•		Ì		14,750	135	109	347/480 VAC	NEMA 6x7 (115° x 140°)
FLD455SC5NGLX	FLD75B5BNSNNGNLX	•		İ		14,500	140	104	347/480 VAC	NEMA 5 (93°)
FLD444SC5NGLX	FLD74B5BNSNNGNLX	•				14,500	140	104	347/480 VAC	NEMA 4 (52°)
FLD422SC5NGLX	FLD72B5BNSNNGNLX	•				13,500	140	96	347/480 VAC	NEMA 2 (23°)
FLD276SC5NGLX	FLD77B5ANSNNGNLX	•				11,750	112	105	347/480 VAC	NEMA 7x6 (140° x 115°)
FLD267SC5NGLX	FLD78B5ANSNNGNLX					11,750	112	105	347/480 VAC	NEMA 6x7 (115° x 140°)
FLD266SC5NGLX	FLD76B5ANSNNGNLX					11,250	112	100	347/480 VAC	NEMA 6 (115°)
FLD255SC5NGLX	FLD75B5ANSNNGNLX					10,000	112	89	347/480 VAC	NEMA 5 (93°)
FLD244SC5NGLX	FLD74B5ANSNNGNLX					10,000	112	89	347/480 VAC	NEMA 4 (52°)
FLD222SC5NGLX	FLD72B5ANSNNGNLX									· , ,
FLD2223C3NGLA	1 LD/2D3ANSININGNLA	•				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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North American HQ

Farmingdale, NJ 07727

info@dialight.com

EMEA Technical Centre

Tel: +45 8877 4545 (Denmark)

Middle East

Dubai, United Arab Emirates

Australia

Tel: +61 (0) 8 9244 7600

Southeast Asia

enquiry@dialight.com.sq

Brazil

Indaiatuba - SP - 13347 - 662





DISTRIBUIDOR AUTORIZADO:

L&A ILUMINACION S.A DE C.V.

www.lyailuminacion.com.mx; Email: lya@lyailuminacion.com.mx Tel: CdMx: 55+5363 4861 / 8381; Tequisquiapan: 414 273 0605.

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