

XL22 Field-Adjustable Floodlight

RAB

XL22-35
Knuckle Mount w/ Yoke Accessory

PROJECT:

DATE:

TYPE:

PREPARED BY:



XL22-60

Knuckle Mount w/ Trunnion Accessory



XL22-80

Knuckle Mount w/ Trunnion Accessory



XL22-150
Slipfitter Mount w/ Trunnion Accessory

KEY FEATURES

- Selectable **power, CCT, beam angle, and photocell**
- Available models & wattages:
XL22-35: **35/30/25/20W**
XL22-60: **60/50/40/30W**
XL22-80: **80/70/60/50W**
XL22-150: **150/125/100/75W**
- Selectable CCT: **3000/4000/5000K**
- Suitable for **wet** locations
- **0-10V** dimming
- On/Off photocell available for all models
- 120-277V. 480V available in 150W
- Two mounts included with each:
35W: **Knuckle and Yoke**
60 and 80W: **Knuckle and Trunnion**
150W: **Slipfitter and Trunnion**
- **5-year** limited warranty



0-10V FIELD ADJ. BEAM ANGLE ADJ. 100,000 HRS WET RATED IP RATING

PERFORMANCE

XL22-35@ 35W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	35W			35W			35W		
INPUT WATTS	36.5W	36.5W	36.5W	34.4W	34.4W	34.4W	35.9W	35.9W	35.9W
LUMENS	4,672	4,943	4,686	5,228	5,346	5,244	4,966	5,197	4,959
EFFICACY	128.0	142.2	128.8	150.3	158.3	150.9	136.8	150.2	137.1
CRI	80	80	80	83	83	83	82	82	82
VOLTAGE RATING	120-277V								

XL22-35@ 30W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	30W			30W			30W		
INPUT WATTS	31.4W	30.9W	31.5W	31W	31.1W	31.2W	31.2W	31.5W	31.4W
LUMENS	4,075	4,572	4,116	4,807	5,080	4,817	4,372	4,848	4,420
EFFICACY	131.8	146.5	132.7	154.8	163.0	155.4	140.9	154.7	141.2
CRI	80	80	80	83	83	83	82	82	82
VOLTAGE RATING	120-277V								

XL22 Field-Adjustable Floodlight



PERFORMANCE

XL22-35@ 25W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	25W			25W			25W		
INPUT WATTS	25.9W	26W	26.2W	25.8W	26W	25.8W	26W	26.2W	26W
LUMENS	3,522	3,930	3,530	4,143	4,389	4,182	3,747	4,123	3,775
EFFICACY	135.8	150.9	136.7	159.4	167.9	160.1	145.1	159.4	145.4
CRI	80	80	80	83	83	83	82	82	82
VOLTAGE RATING	120-277V								
XL22-35@ 20W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	20W			20W			20W		
INPUT WATTS	20.9W	20.9W	20.6W	20.8W	20.8W	21W	20.7W	20.7W	21W
LUMENS	2,889	3,213	2,935	3,425	3,564	3,403	3,082	3,423	3,114
EFFICACY	139.9	155.4	140.8	164.2	172.9	164.9	149.4	164.2	149.8
CRI	80	80	80	83	83	83	82	82	82
VOLTAGE RATING	120-277V								
XL22-60@ 60W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	60W			60W			60W		
INPUT WATTS	62.44W	62.44W	62.44W	59.25W	59.25W	59.25W	62.11W	62.11W	62.11W
LUMENS	8,301	8,843	8,435	9,207	9,474	9,320	8,823	9,361	9,054
EFFICACY	132.9	148.0	135.2	154.0	163.3	156.3	140.9	156.7	144.5
CRI	82	82	82	84	84	84	82	82	82
VOLTAGE RATING	120-277V								
XL22-60@ 50W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	50W			50W			50W		
INPUT WATTS	52.4W	52.3W	52.1W	52.3W	52.4W	52.2W	51.5W	52.1W	51.8W
LUMENS	7,168	7,946	7,222	8,293	8,820	8,439	7,528	8,353	7,768
EFFICACY	136.9	152.5	139.2	158.7	168.2	161.0	145.1	161.4	148.8
CRI	82	82	82	84	84	84	82	82	82
VOLTAGE RATING	120-277V								
XL22-60@ 40W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	40W			40W			40W		
INPUT WATTS	41.8W	41.7W	41.8W	41.3W	41.7W	41.9W	41.4W	41.6W	41.6W
LUMENS	5,880	6,587	5,981	6,776	7,238	6,878	6,266	6,960	6,395
EFFICACY	141.0	157.0	143.4	163.4	173.3	165.8	149.5	166.2	153.2
CRI	82	82	82	84	84	84	82	82	82
VOLTAGE RATING	120-277V								

XL22 Field-Adjustable Floodlight



PERFORMANCE

XL22-60@ 30W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	30W			30W			30W		
INPUT WATTS	31.3W	31.4W	31.2W	31W	31.2W	31.4W	31W	31.1W	31.5W
LUMENS	4,500	5,069	4,568	5,268	5,542	5,364	4,762	5,380	4,884
EFFICACY	145.3	161.7	147.7	168.3	178.5	170.8	154.0	171.2	157.8
CRI	82	82	82	84	84	84	82	82	82
VOLTAGE RATING	120-277V								
XL22-80@ 80W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	80W			80W			80W		
INPUT WATTS	85.6W	85.6W	85.6W	81.2W	81.2W	81.2W	86.1W	86.1W	86.1W
LUMENS	11,008	11,797	11,229	12,054	12,399	12,204	12,010	12,633	12,051
EFFICACY	128.7	144.6	131.2	151.7	161.0	153.6	138.4	153.6	138.8
CRI	82	82	82	84	84	84	83	83	83
VOLTAGE RATING	120-277V								
XL22-80@ 70W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	70W			70W			70W		
INPUT WATTS	72.2W	73W	72.6W	73W	73.2W	72.8W	72.1W	72.8W	72.7W
LUMENS	9,579	10,797	9,784	11,276	12,109	11,430	10,467	11,531	10,331
EFFICACY	132.5	149.0	135.2	156.2	165.9	158.2	142.5	158.2	142.9
CRI	82	82	82	84	84	84	83	83	83
VOLTAGE RATING	120-277V								
XL22-80@ 60W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	60W			60W			60W		
INPUT WATTS	62.8W	62.7W	62.1W	62.8W	62.5W	62W	62W	63W	62.7W
LUMENS	8,505	9,530	8,618	9,978	10,569	10,124	9,180	10,254	9,231
EFFICACY	136.5	153.4	139.2	160.9	170.8	163.0	146.8	162.9	147.2
CRI	82	82	82	84	84	84	83	83	83
VOLTAGE RATING	120-277V								
XL22-80@ 50W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	50W			50W			50W		
INPUT WATTS	52.3W	52.1W	52.3W	51.7W	52.2W	52.4W	51.8W	52.2W	52.1W
LUMENS	7,273	8,260	7,502	8,678	9,122	8,666	7,846	8,642	7,814
EFFICACY	140.6	158.0	143.4	165.8	176.0	167.9	151.2	167.8	151.6
CRI	82	82	82	84	84	84	83	83	83
VOLTAGE RATING	120-277V								

XL22 Field-Adjustable Floodlight



PERFORMANCE

XL22-150@ 150W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	150W			150W			150W		
INPUT WATTS	156.5W	156.5W	156.5W	146.7W	146.7W	146.7W	153.6W	153.6W	153.6W
LUMENS	20,607	22,090	21,035	22,364	22,999	22,862	22,182	23,467	22,259
EFFICACY	131.7	148.6	134.5	156.0	166.1	159.4	141.6	157.8	142.3
CRI	81	81	81	84	84	84	83	83	83
VOLTAGE RATING	120-277V								
XL22-150@ 125W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	125W			125W			125W		
INPUT WATTS	129.9W	130.1W	131W	129W	128.9W	130.1W	129.3W	130.7W	129.9W
LUMENS	17,708	19,713	18,125	20,909	22,049	21,357	19,078	21,275	19,011
EFFICACY	135.6	153.1	138.6	160.7	171.1	164.2	145.9	162.5	146.5
CRI	81	81	81	84	84	84	83	83	83
VOLTAGE RATING	120-277V								
XL22-150@ 100W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	100W			100W			100W		
INPUT WATTS	104.3W	103.5W	104.3W	104.1W	103.9W	104.7W	104.2W	104W	104.5W
LUMENS	14,525	16,333	14,951	17,295	18,499	17,523	15,599	17,530	15,645
EFFICACY	139.7	157.6	142.7	165.5	176.2	169.1	150.2	167.4	150.9
CRI	81	81	81	84	84	84	83	83	83
VOLTAGE RATING	120-277V								
XL22-150@ 75W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	75W			75W			75W		
INPUT WATTS	78.6W	77.9W	78.7W	77.7W	78.5W	78.3W	78.4W	78.1W	78.2W
LUMENS	11,190	12,615	11,483	13,358	14,209	13,471	12,055	13,498	12,037
EFFICACY	143.9	162.4	147.0	170.5	181.5	174.2	154.8	172.4	155.5
CRI	81	81	81	84	84	84	83	83	83
VOLTAGE RATING	120-277V								
XL22-150/480 @ 150W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	150W			150W			150W		
INPUT WATTS	156.64W	149.5W	156.45W	139.47W	136.2W	136.24W	151.2W	144.5W	150.3W
LUMENS	21,355	22,798	21,737	22,510	23,114	22,248	22,152	23,286	21,915
EFFICACY	136.3	152.5	138.9	161.4	169.7	163.3	146.5	161.1	145.8
CRI	82	82	82	84	84	84	83	83	83
VOLTAGE RATING	480V								

XL22 Field-Adjustable Floodlight



PERFORMANCE									
XL22-150/480 @ 125W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	125W			125W			125W		
INPUT WATTS	131.1W	130.7W	129.5W	130.3W	130.8W	130.7W	129.6W	129.6W	129.5W
LUMENS	18,099	20,424	18,287	21,763	22,868	21,806	19,734	21,372	19,693
EFFICACY	140.3	156.3	142.0	166.2	174.7	168.2	150.9	166.0	150.1
CRI	82	82	82	84	84	84	83	83	83
VOLTAGE RATING	480V								
XL22-150/480 @ 100W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	100W			100W			100W		
INPUT WATTS	103W	103.2W	103.6W	104.2W	103.6W	103.9W	104.1W	105W	103.6W
LUMENS	14,910	16,633	15,290	17,773	18,646	18,168	16,215	17,822	16,073
EFFICACY	144.5	161.0	146.2	171.2	180.0	173.2	155.5	170.9	154.6
CRI	82	82	82	84	84	84	83	83	83
VOLTAGE RATING	480V								
XL22-150/480 @ 75W	3000K			4000K			5000K		
NEMA TYPE	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V	7H X 6V	6H X 6V	5H X 5V
BEAM ANGLE	90°	75°	55°	90°	75°	55°	90°	75°	55°
WATTAGE	75W			75W			75W		
INPUT WATTS	78.1W	78.6W	78.6W	77.8W	78.3W	77.6W	77.8W	77.3W	78.2W
LUMENS	11,517	12,974	11,802	13,813	14,442	14,005	12,461	13,737	12,483
EFFICACY	148.9	165.8	150.6	176.4	185.4	178.4	160.1	176.1	159.3
CRI	82	82	82	84	84	84	83	83	83
VOLTAGE RATING	480V								

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for wet locations

IP Rating

Ingress protection rating of IP66 for dust and water

IK Rating

IK06 Protected against 1 joules of impact. Equivalent to the impact of a 0.55 lbs. (.25kg) mass dropped from 15.8" (400mm) above the impacted surface.

DLC Listed

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

Modle#	DLC Product ID	Modle#	DLC Product ID
XL22-35	S-9HL0QX	XL22-150/480	S-DL0RK2
XL22-60	S-1HCRJT		
XL22-80	S-MHVPNL		
XL22-150	S-MGVC0G		

CONSTRUCTION

Cold Weather Starting

Minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature

Suitable for use in up to 122°F (50°C)

Housing

Precision die-cast aluminum

Mounting

35W: Robust knuckle mount with 180° adjustable swivel arm. Tilt angle in 10° increments. Yoke included.

60W and 80W: Robust knuckle mount with 180° adjustable swivel arm. Tilt angle in 10° increments. Trunnion included.

150W: Slipfitter for mounting on 2 3/8" tenon with 180° adjustability. Trunnion included.

Lens

Polycarbonate

Gasket

High-temperature silicone

Green Technology

Mercury and UV free. RoHs-compliant components.

Finish

Formulated for high durability and long lasting color

XL22 Field-Adjustable Floodlight



TECHNICAL SPECIFICATIONS (CONTINUED)

CONSTRUCTION (CONTINUED)

NEMA Type

NEMA beam spread of 7HX6V, 6HX6V & 5HX5V

Effective Projected Area (EPA)

MODEL#	EPA
XL22-35	0.338 ft ²
XL22-60	0.519 ft ²
XL22-80	0.675 ft ²
XL22-150	1.248 ft ²

ELECTRICAL

Drivers:

Constant Current, Class 1, 120-277V, 50/60 Hz

XL22-35:

35W: 120V: 0.38A, 208V: 0.20A, 240V: 0.18A, 277V: 0.15A
30W: 120V: 0.34A, 208V: 0.18A, 240V: 0.15A, 277V: 0.13A
25W: 120V: 0.30A, 208V: 0.16A, 240V: 0.14A, 277V: 0.12A
20W: 120V: 0.26, 208V: 0.14A, 240V: 0.12A, 277V: 0.11A

XL22-60:

60W: 120V: 0.64A 208V: 0.40A, 240V: 0.30A, 277V: 0.25A
50W: 120V: 0.54A, 208V: 0.29A, 240V: 0.25A, 277V: 0.23A
40W: 120V: 0.45A, 208V: 0.24A, 240V: 0.22A, 277V: 0.86A
30W: 120V: 0.34A, 208V: 0.21A, 240V: 0.18A, 277V: 0.16A

XL22-80:

80W: 120V: 0.86A 208V: 0.50A, 240V: 0.40A, 277V: 0.35A
70W: 120V: 0.76A, 208V: 0.39A, 240V: 0.35A, 277V: 0.30A
60W: 120V: 0.68A, 208V: 0.34A, 240V: 0.29A, 277V: 0.26A
50W: 120V: 0.60A, 208V: 0.30A, 240V: 0.26A, 277V: 0.23A

XL22-150:

150W: 120V: 1.61A 208V: 0.80A, 240V: 0.70A, 277V: 0.60A
125W: 120V: 1.35A, 208V: 0.70, 240V: 0.60A, 277V: 0.55A
100W: 120V: 1.10A, 208V: 0.57A, 240V: 0.52A, 277V: 0.45A
75W: 120V: 0.81A, 208V: 0.45A, 240V: 0.38A, 277V: 0.34A

Constant Current, Class 1, 480V, 50/60Hz

XL22-150

150W: 480V: 0.40A
125W: 480V: 0.30A
100W: 480V: 0.25A
75W: 480V: 0.18A

Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.

Photocell:

120-277V selectable photocell that can be turned on and off.
480V selectable photocell that can be turned on and off.

Surge Protection:

DM(L/N):4KV,CM (L/N-PE) : 6KV

150W (480V): DM(L/N):6KV,CM (L/N-PE) : 6KV

ELECTRICAL

THD:

XL22-35: 9.1% at 120V, 12.1% at 277V
XL22-60: 11.3% at 120V, 19.2% at 277V
XL22-80: 12.6% at 120V, 18.1% at 277V
XL22-150: 7.6% at 120V, 11.6% at 277V
XL22-150: 14.5% at 480V

Power Factor:

XL22-35: 99.3% at 120V, 96.2% at 277V
XL22-60: 99.4% at 120V, 95.6% at 277V
XL22-80: 99.2% at 120V, 96.8% at 277V
XL22-150: 99.6% at 120V, 95.3% at 277V
XL22-150: 95.0% at 480V

FACTORY SETTINGS

Wattage

XL22-35: 35/30/25/20W (default 35W)
XL22-60: 60/50/40/30W (default 60W)
XL22-80: 80/70/60/50W (default 80W)
XL22-150: 150/125/100/75W (default 150W)

Color Temperature

3000/4000/5000K (default 4000K)

ON/OFF Photocell

Default ON

Optics

Selectable 7HX6V, 6HX6V, 5HX5V (default 7HX6V)

LED CHARACTERISTIC

LEDs

Long-life, high-efficacy, surface-mount LEDs

Color Uniformity

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standards for Specifications for the Chromaticity of Solid State Lighting (SLL) Products, ANSI C78.377-2017.

OTHER

Warranty

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Lifespan

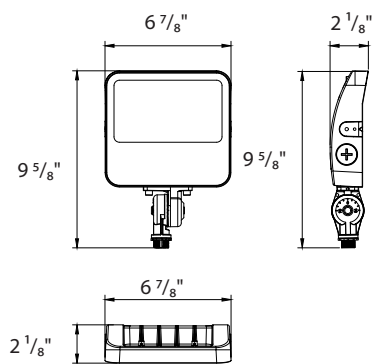
100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

XL22 Field-Adjustable Floodlight

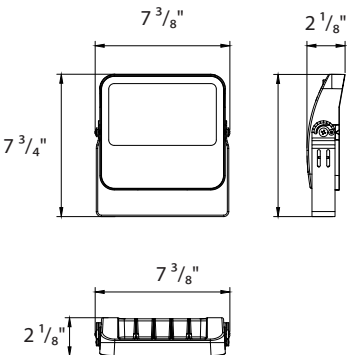


DIMENSIONS

XL22-35



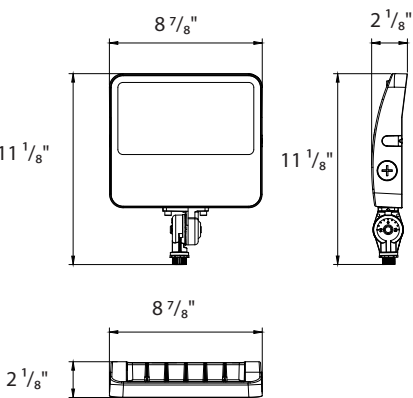
Knuckle Mount



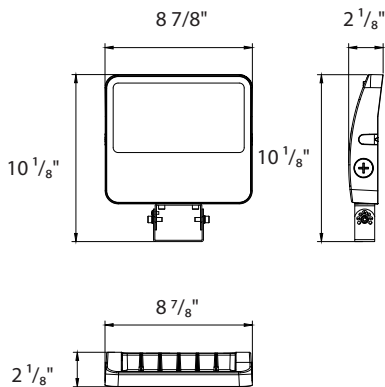
Yoke Mount

X22-60

Weight: 3.61 lbs



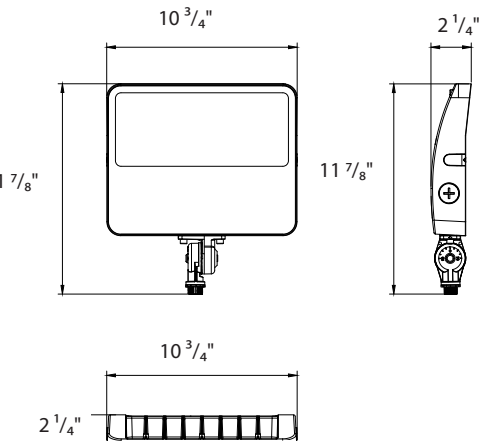
Knuckle Mount



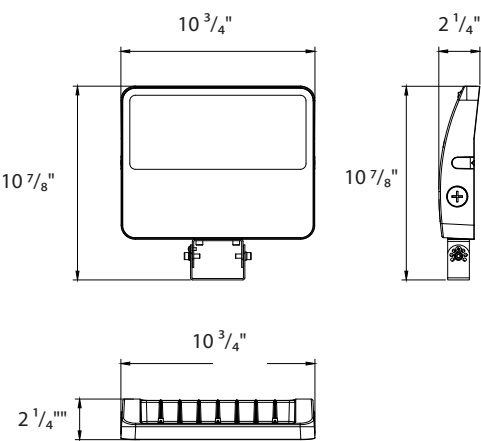
Trunnion Mount

X22-80

Weight: 5.52 lbs



Knuckle Mount



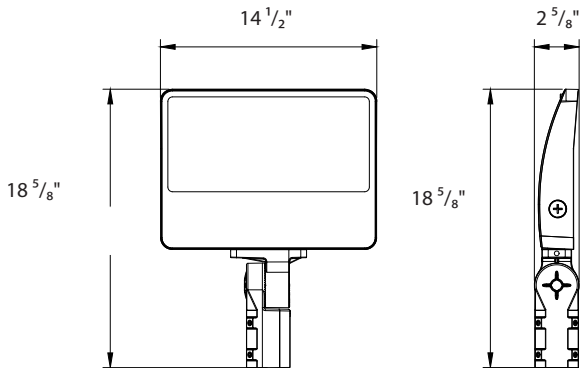
Trunnion Mount

XL22 Field-Adjustable Floodlight

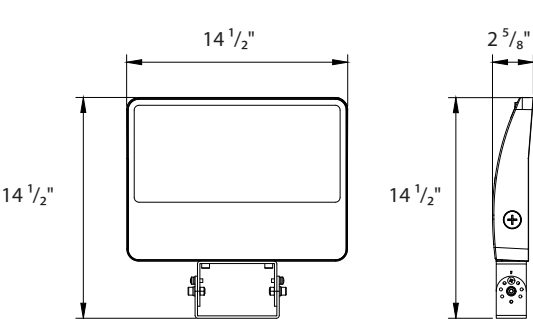


DIMENSIONS

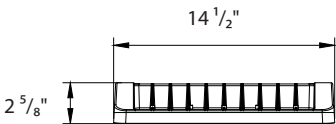
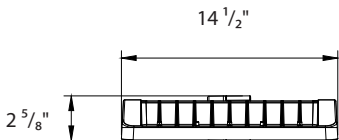
X22-150
Weight: 8.80 lbs



Slipfitter Mount



Trunnion Mount



ORDERING MATRIX

XL22 Field-Adjustable Floodlight

Family	Wattage		Mounting		Color Temp		Finish		Optics		Driver		Controls	
XL22	-													
35	35/30/25/20W	BLANK	Knuckle & Yoke (35W)		BLANK	3000/4000/5000K		BLANK	Bronze	BLANK	55/75/90°		BLANK	120-277V
60	60/50/40/30W		Knuckle & Trunnion (60 & 80W)					W	White				/480	480V*
80	80/70/60/50W		Slipfitter & Trunnion (150W)											
150	150/125/100/75W													

* 480V only available on 150W