X15 Field-Adjustable Floodlight

X15-30

X15-60

X15-60T

X15-80SF,
X15-100SF

X15-80T,
X15-100T

X15-150SF

X15-150T

PROJECT:

DATE:

TYPE:

PREPARED BY:

5 YEAR LIMITED WARRANTY

DLC LISTED PREMIUM

UL CERTIFIED

CCT and Power-Selectable Floodlight

FIELD ADJUSTABLE | 100,000 HOURS | WET RATED | 120-277V; 480V | 0-10V DIMMING | IP RATING | IK07 RATING

KEY FEATURES

- Floodlight available in 4 housing sizes with selectable wattages:
  1. X15-30: 30/25/20W (Default 30W)
  2. X15-60: 60/50/40W (Default 60W)
  3. X15-80: 80/70/60W (Default 80W) & X15-100: 100/90/80W (Default 100W)
  4. X15-150: 150/130/110W (Default 150W)
- Adjustable CCT: 3000/4000/5000K (Default 4000K)
- 120-277V. 480V available only on 150W models
- 30W models available only in knuckle mount, 60W models available in knuckle and trunnion mounts and 80W, 100W,150W models available in trunnion and slipfitter mounts.
- Integrated ON/OFF photocell included.
- 5-Year limited warranty

PERFORMANCE

Catalog Number	Wattage	Lumens	Efficacy	Color Temperature	Voltage Ratings	L70 Lifespan
X15-30	30W	4,327 / 4,617 / 4,512	147.2 / 161.4 / 153.5	3000/4000/5000K	120-277V	100,000 Hrs
	25W	3,637 / 3,881 / 3,792	150.3 / 165.1 / 156.7			
	20W	3,016 / 3,218 / 3,145	151.6 / 165.9 / 158.0			
X15-60	60W	8,765 / 9,510 / 9,023	145.1 / 162 / 148.9	3000/4000/5000K	120-277V	100,000 Hrs
	50W	7,388 / 8,016 / 7,605	151.7 / 169.5 / 155.5			
	40W	5,998 / 6,508 / 6,175	157 / 174.9 / 161.2			
X15-80	80W	11,316 / 12,487 / 11,819	143.4 / 163.2 / 149.8	3000/4000/5000K	120-277V	100,000 Hrs
	70W	10,265 / 11,327 / 10,721	147.9 / 168.3 / 154.5			
	60W	9,427 / 10,403 / 9,846	151.8 / 172.8 / 158.6			
X15-100	100W	14,588/16,092/15,323	144.4/166.6/152.3	3000/4000/5000K	120-277V	100,000 Hrs
	90W	13,264/14,662/13,961	149.0/171.9/157.2			
	80W	12,145/13,425/12,783	152.6/176.0/161.0			
X15-150	150W	21,243 / 23,696 / 22,832	142.2 / 164.3 / 151.9	3000/4000/5000K	120-277V	100,000 Hrs
	130W	19,306 / 21,535 / 20,750	146.9 / 169.6 / 156.7			
	110W	17,111 / 19,087 / 18,391	152.1 / 175.6 / 162.3			
X15-150/480	150W	21,348 / 23,874 / 22,965	143 / 165.2 / 152.9	3000/4000/5000K	480V	100,000 Hrs
	130W	19,081 / 21,339 / 20,526	147.8 / 170.8 / 158			
	110W	16,518 / 18,472 / 17,769	152.4 / 176.1 / 162.9			

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X15 Field-Adjustable Floodlight

PHOTOMETRIC

X15-30	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Watts		30W			25W			20W	
Input Watt	29.4W	28.6W	29.4W	24.2W	23.5W	24.2W	19.9W	19.4W	19.9W
Lumens	4,327	4,617	4,512	3,637	3,881	3,792	3,016	3,218	3,145
Efficacy	147.2	161.4	153.5	150.3	165.1	156.7	151.6	165.9	158.0
CRI	80	83	82	80	83	82	80	83	82
Voltage Ratings	120-277V								

X15-60	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Watts		60W			50W			40W	
Input Watt	60.4W	58.7W	60.6W	48.7W	47.3W	48.9W	38.2W	37.2W	38.3W
Lumens	8,765	9,510	9,023	7,388	8,016	7,605	5,998	6,508	6,175
Efficacy	145.1	162.0	148.9	151.7	169.5	155.5	157.0	174.9	161.2
CRI	81	83	82	81	83	82	81	83	82
Voltage Ratings	120-277V								

X15-80	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Watts		80W			70W			60W	
Input Watt	78.9W	76.5W	78.9W	69.4W	67.3W	69.4W	62.1W	60.2W	62.1W
Lumens	11,316	12,487	11,819	10,265	11,327	10,721	9,427	10,403	9,846
Efficacy	143.4	163.2	149.8	147.9	168.3	154.5	151.8	172.8	158.6
CRI	80	83	82	80	83	82	80	83	82
Voltage Ratings	120-277V								

X15-100	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Watts		100W			90W			80W	
Input Watt	100.8W	96.6W	100.6W	89.0W	85.3W	88.8W	79.6W	76.3W	79.4W
Lumens	14,558	16,092	15,323	13,264	14,662	13,961	12,145	13,425	12,783
Efficacy	144.4	166.6	152.3	149.0	171.9	157.2	152.6	176.0	161.0
CRI	80	83	81	80	83	81	80	83	81
Voltage Ratings	120-277V								

X15-150	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Watts		150W			130W			110W	
Input Watt	149.2W	144.2W	150.3W	131.4W	127.0W	132.4W	112.5W	108.7W	113.3W
Lumens	21,243	23,696	22,832	19,306	21,535	20,750	17,111	19,087	18,391
Efficacy	142.2	164.3	151.9	146.9	169.6	156.7	152.1	175.6	162.3
CRI	81	83	82	81	83	82	81	83	82
Voltage Ratings	120-277V								

X15-150/480	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Watts		150W			130W			110W	
Input Watt	149.3W	144.5W	150.2W	129.1W	124.9W	129.9W	108.4W	104.9W	109.1W
Lumens	21,348	23,874	22,965	19,081	21,339	20,526	16,518	18,472	17,769
Efficacy	143.0	165.2	152.9	147.8	170.8	158.0	152.4	176.1	162.9
CRI	81	84	81	81	84	81	81	84	81
Voltage Ratings	480V								

X15 Field-Adjustable Floodlight

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed
Suitable for wet locations

DLC Listed
This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

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
Die-cast aluminum

Mounting
30W models available only in knuckle mount, 60W models available in knuckle and trunnion mounts & 80W, 100W, and 150W models available in trunnion and slipfitter mounts.

Lens
Glass

Gasket
High-temperature silicone gasket

Reflector
White polycarbonate

IP Listing
Ingress protection rating of IP66 for dust and water

IK Ratings
IK07 rated for protection against impact

Green Technology
Mercury and UV free. RoHs-compliant components.

Finish
Formulated for high durability and long lasting color. Available in bronze and white finish.

LED CHARACTERISTICS

LEDS
Long-life, high-efficacy, discrete, 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 (SSL) Products, ANSI C78.377-2024.

Color Consistency:
7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:
LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

FACTORY SETTINGS

Wattage
X15-30: 30/25/20W (30W default)
X15-60: 60/50/40W (60W default)
X15-80: 80/70/60W (80W default)
X15-100: 100/90/80W (100W default)
X15-150: 150/130/110W (150W default)

Adjustable CCT : 3000/4000/5000K (4000K default)

On/Off Photocell : Default Off

LIGHT DISTRIBUTION

Beam Angle
NEMA Type 7H x 7V

VIBRATION RATINGS

Vibration Rating
3G vibration rating per ANSI C136.31

BUG Rating

Model#	BUG Rating
X15-30	2-3-0
X15-60	3-3-1
X15-80	3-3-1
X15-100	3-3-1
X15-150	4-3-2

EFFECTIVE PROJECTED AREA

EPA

MODEL#	EPA
X15-30	0.27
X15-60 / X15-60T	0.43
X15-80T	0.56
X15-80SF	0.69
X15-100T	0.56
X15-100SF	0.69
X15-150T	0.73
X15-150SF	0.86

TECHNICAL SPECIFICATIONS

ELECTRICAL

Drivers: 120-277V

X15-30
Constant Current, Class 1, 120-277V, 50/60 Hz
30W: 120V: 0.34A, 208V: 0.20A, 240V: 0.17, 277V: 0.15A
25W: 120V: 0.28A, 208V: 0.16A, 240V: 0.14, 277V: 0.12A
20W: 120V: 0.23A, 208V: 0.13A, 240V: 0.11A, 277V: 0.10A

X15-60
Constant Current, Class 1, 120-277V, 50/60 Hz
60W: 120V: 0.68A, 208V: 0.39A, 240V: 0.34A, 277V: 0.29A
50W: 120V: 0.57A, 208V: 0.33A, 240V:0.28A, 277V: 0.25A
40W: 120V: 0.45A, 208V: 0.26A, 240V: 0.23A, 277V: 0.20A

X15-80
Constant Current, Class 1, 120-277V, 50/60 Hz
80W: 120V: 0.91A, 208V: 0.52A, 240V: 0.45A, 277V: 0.39A
70W: 120V: 0.79A, 208V: 0.46A, 240V: 0.40A, 277V: 0.34A
60W: 120V: 0.68A, 208V: 0.39A, 240V: 0.34A, 277V: 0.29A

X15-100
Constant Current, Class 1, 120-277V, 50/60 Hz
100W: 120V: 1.13A, 208V: 0.65A, 240V: 0.57A, 277V: 0.49A
90W: 120V: 1.02A, 208V: 0.59A, 240V: 0.51A, 277V: 0.44A
80W: 120V: 0.91A, 208V: 0.52A, 240V: 0.45A, 277V: 0.39A

X15-150
Constant Current, Class 1, 120-277V, 50/60 Hz
150W: 120V:1.70A, 208V: 0.98A, 240V: 0.85A, 277V: 0.74A
130W: 120V: 1.47A, 208V: 0.85A, 240V: 0.74A, 277V: 0.64A
110W: 120V: 1.24A, 208V: 0.72A, 240V: 0.62A, 277V: 0.54A

Drivers: 480V

X15-150/480
Constant Current, Class 1, 480V, 50/60 Hz
150W: 480V:0.42A
130W: 480V:0.37A
110W: 480V:0.31A

Surge Protection
30W: L-N 4kv, L/N-G 4kv
60,80,100,150W: L-N 6kv, L/N-G 6kv

Dimming Driver
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

Photocell
Integrated ON/OFF photocell included.

OTHER

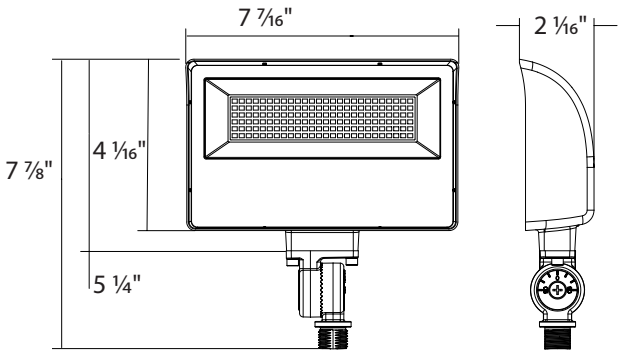
Warranty
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

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

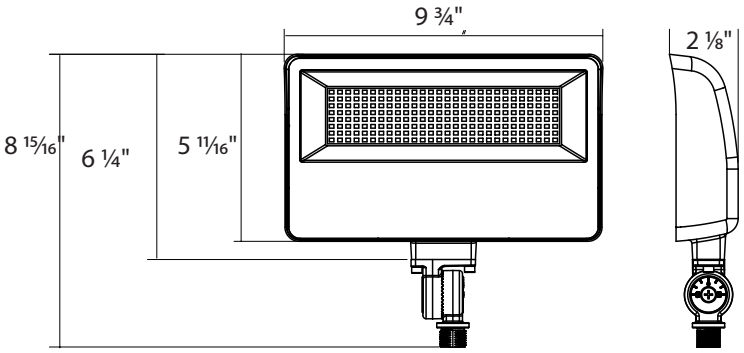
X15 Field-Adjustable Floodlight

DIMENSIONS

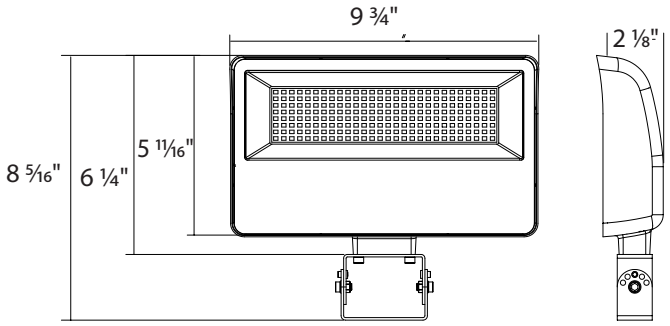
X15-30
Weight: 2.09 lbs



X15-60
Weight: 2.87 lbs

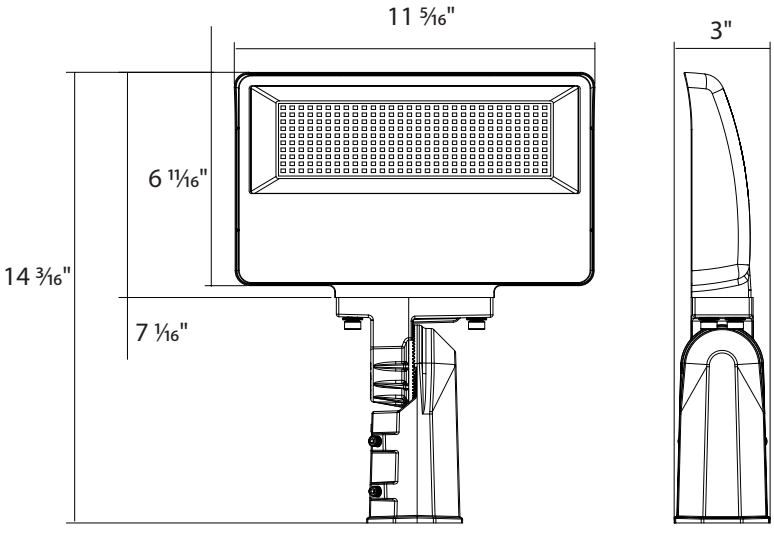


X15-60T
Weight: 2.98 lbs



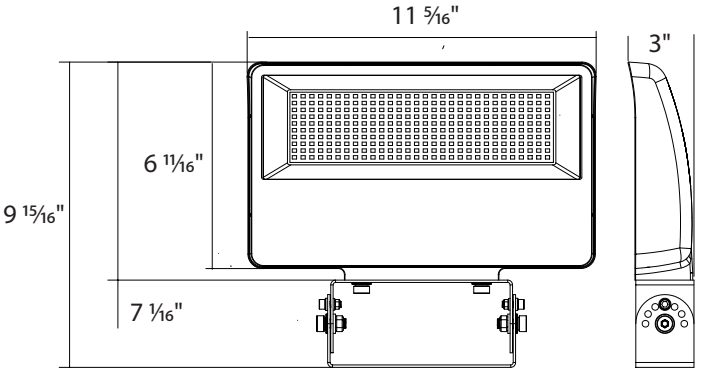
X15-80SF
Weight: 4.72 lbs

X15-100SF
Weight: 4.85 lbs



X15-80T
Weight: 4.19 lbs

X15-100T
Weight: 4.30 lbs

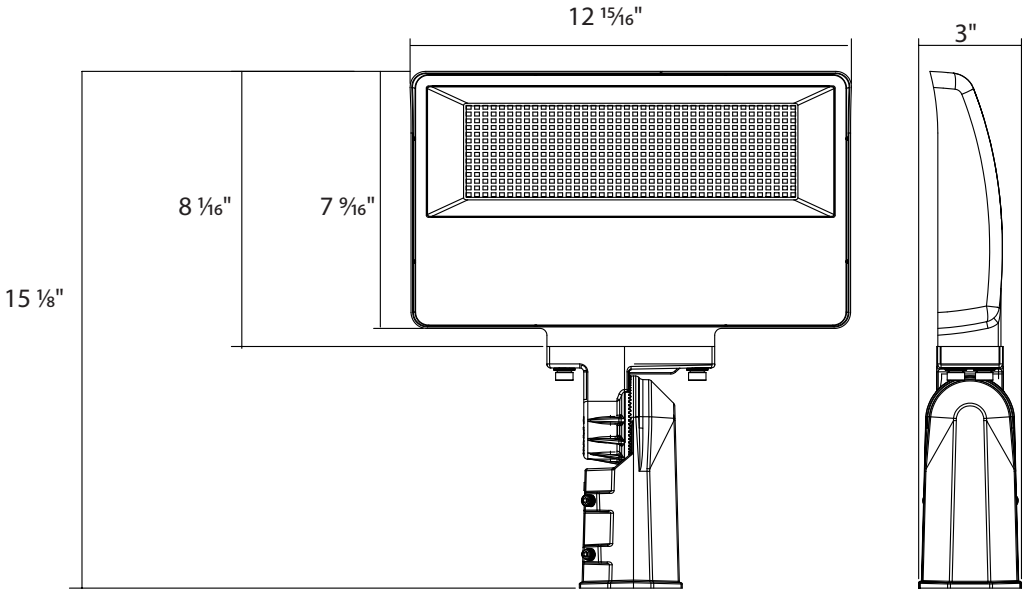


X15 Field-Adjustable Floodlight

DIMENSIONS

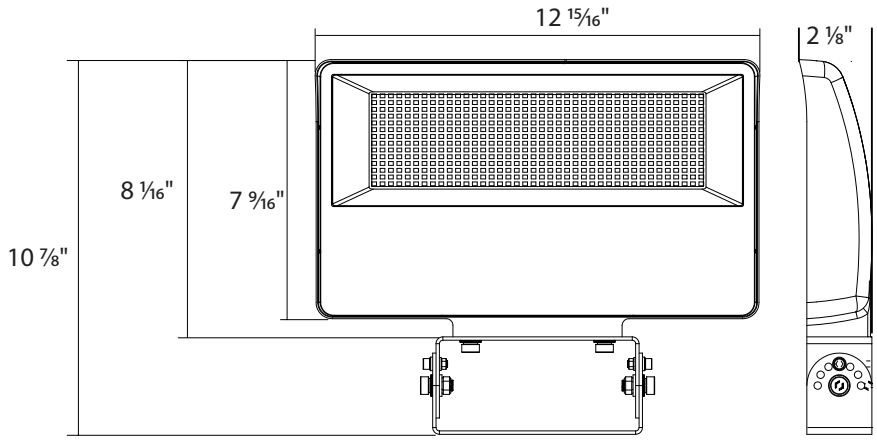
X15-150SF

Weight: 6.39 lbs



X15-150T

Weight: 5.95 lbs



ORDERING MATRIX

Family	Size/Wattage	Mounting	Color Temperature	Finish	Driver	Controls
X15 –						
	30 30/25/20W [1]	BLANK Knuckle Mount	BLANK CCT Adjustable	BLANK Bronze	BLANK 120-277V	BLANK On/Off Photocell
	60 60/50/40W [2]	T Trunnion Mount		W White	/480 480V [4]	
	80 80/70/60W [3]	SF Slipfitter Mount				
	100 100/90/80W					
	150 150/130/110W					

[1] *30W: Available only with Knuckle mount*
[2] *60W: Available with 2 mounts, Knuckle and Trunnion*
[3] *80W, 100W, and 150W: Available with 2 mounts, Trunnion and Slipfitter*
[4] *480V only available on 150W models*