

FXLED Field-Adjustable Floodlights



FXLEDXS

FXLEDS

FXLEDM

FXLEDL
FXLEDL/RGB



PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

- Available in following selectable wattages:
FXLEDXS: **80/60/40W** (Default 80W)
FXLEDS: **168/132/97/69W** (Default 168W)
FXLEDM: **346/213W** (Default 346W)
FXLEDL: **534/445W** (Default 534W)
- FXLEDL/RGB available in 340W with **Lightcloud Blue** for wireless control of on/off, dimming and color tuning between **16+ million** color and **2200-4000K**
- CCT: Selectable **3000/4000K/5000K** (Default 4000K)
- Available in 120-277V and 480V
- Slipfitter** and **Trunnion** available on all models
- Available in bronze and white finish
- UL listed for wet location
- IP66** listed
- 0-10V** dimmable
- 10-year, no-compromise warranty

Professional grade, with wireless control



PERFORMANCE

FXLEDXS	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	80W	80W	80W	60W	60W	60W	40W	40W	40W
Input Watts	81.4W	78.1W	81.2W	60.7W	59W	61.1W	42.1W	41.0W	42.1W
Lumens	11,077	11,956	11,400	8,713	9,352	9,075	6,315	6,619	6,521
Efficacy	136.1	153.1	140.4	143.5	158.5	148.5	150.0	161.4	154.9
CRI	82	85	84	82	85	84	83	86	84
Voltage	120-277V								

FXLEDXS	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	80W	80W	80W	60W	60W	60W	40W	40W	40W
Input Watts	81.6	78.3	81.5	62.4	60.5	62.5	40.9	40.2	40.9
Lumens	11,219	12,083	11,529	8,856	9,467	9,187	5,927	6,230	6,149
Efficacy	137.5	154.3	141.5	141.9	156.5	147.0	144.9	155.0	150.3
CRI	82	85	84	83	86	84	83	86	84
Voltage	480V								

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PERFORMANCE (CONTINUED)

FXLEDS	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	168W	168W	168W	132W	132W	132W	97W	97W	97W	69W	69W	69W
Input Watts	166.1W	158.4W	166.1W	127.6W	122.7W	127.8W	96.4W	93.6W	96.9W	72.4W	70.5W	72.4W
Lumens	21,789	23,835	22,589	17,838	19,234	18,530	14,249	15,203	14,883	11,025	11,593	11,445
Efficacy	131.2	150.5	136.0	139.8	156.8	145.0	147.8	162.4	153.6	152.3	164.4	158.1
CRI	82	85	84	83	85	84	82	85	84	83	86	84
Voltage	120-277V											

FXLEDS	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	168W	168W	168W	132W	132W	132W	97W	97W	97W	69W	69W	69W
Input Watts	169.7	161.7	169.4	135.4	130.3	135.4	102.2	98.8	102.0	73.8	72.2	73.9
Lumens	22,227	24,332	22,997	18,585	20,168	19,349	14,830	15,700	15,287	10,872	11,486	11,340
Efficacy	131.0	150.5	135.8	137.3	154.8	142.9	145.1	158.9	149.9	147.3	159.1	153.5
CRI	82	85	84	83	85	84	82	85	84	83	86	84
Voltage	480V											

FXLEDM	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	346W	346W	346W	213W	213W	213W	346W	346W	346W	213W	213W	213W
Input Watts	340.8	324.0	340.1	205.6	198.9	206.0	341.5	324.9	341.7	220.5	213.0	220.6
Lumens	44,342	48,128	45,120	29,672	31,803	30,750	44,784	49,146	46,865	31,553	33,978	32,900
Efficacy	130.1	148.5	132.7	144.3	159.9	149.3	131.1	151.3	137.2	143.1	159.5	149.1
CRI	82	85	84	82	85	84	82	85	84	82	85	84
Voltage	120-277V						480V					

FXLEDL	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	534W	534W	534W	445W	445W	445W	534W	534W	534W	445W	445W	445W
Input Watts	545.8	520.2	544.5	452.7	433.9	453.2	530.0	505.8	529.4	452.4	434.0	452.3
Lumens	70,455	76,501	72,519	61,068	65,969	63,416	69,956	76,088	72,219	61,707	66,651	64,054
Efficacy	129.1	147.1	133.2	134.9	152.0	139.9	132.0	150.4	136.4	136.4	153.6	141.6
CRI	83	85	84	82	85	85	83	85	84	82	85	84
Voltage	120-277V						480V					

FXLED Field-Adjustable Floodlights



PERFORMANCE (CONTINUED)

FXLEDL/RGB (7HX6V)	4000K	RED	GREEN	BLUE	RGBW
Input Watts	92.5W	86.6W	89.7W	94.5W	338.3W
Lumens	7,579	4,095	9,378	2,619	20,073
Efficacy	81.9	47.3	104.5	27.7	59.3
CRI	86				
Voltage Ratings	120-277V				

FXLEDL/RGB (3HX3V)	4000K	RED	GREEN	BLUE	RGBW
Input Watts	91.3W	86.3W	89.7W	94.6W	335.0W
Lumens	7,332	3,848	9,213	2,619	19,253
Efficacy	80.3	44.6	102.7	27.7	57.5
CRI	86				
Voltage Ratings	120-277V				

FXLEDL/RGB (5HX5V)	4000K	RED	GREEN	BLUE	RGBW
Input Watts	91.5W	86.9W	90.5W	94.7W	338.6W
Lumens	7,545	4,324	9,550	2,651	19,841
Efficacy	82.5	49.8	105.5	28.0	58.6
CRI	86				
Voltage Ratings	120-277V				

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for wet locations. Suitable for mounting within 4 feet of the ground.

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.

Note: DLC does not apply to the RGB models

FACTORY SETTINGS

WATTAGE:

FXLEDXS: 80/60/40W (Default 80W)

FXLEDS: 168/132/97/69W (Default 168W)

FXLEDM: 346/213W (Default 346W)

FXLEDL: 534/445W (Default 534W)

CCT (Only available on medium & large models):

4000/5000K (Default 4000K)

CCT (All models): 3000/4000/5000K (Default 4000K)

RGB Models: Power/CCT adjusted using Lightcloud Blue app

LED CHARACTERISTICS

LEDs

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

Color Temperature:

Field-adjustable via dip switch: 3000/4000/5000K

/RGB models are adjustable using the Lightcloud Blue mobile app:

Tunable White 2200-4000K (default setting: 3000K) or 16+ million RGB colors

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 C78.377-2017.

Color Consistency

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability

LED color temperature is warranted to shift no more than 200K in color temperature over a 10-year period

OPTICAL

NEMA Type

NEMA Beam Spread:

6HX6V for XS & S

7HX6V for all M & L models & 3HX3V, 5HX5V for the M & L models with 4000/5000K CCT

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TECHNICAL SPECIFICATIONS

CONSTRUCTION

Cold Weather Starting

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

Maximum Ambient Temperature

Suitable for use in up to 40°C (104°F)

Housing

Die-cast aluminum

Mounting

Slipfitter, Trunnion

Tilt increment:

Slipfitter: 5°

Trunnion: 30°

Lens

Optical lens is polycarbonate with tempered glass on the top.

Reflector

7HX6V: Vacuum metalized die cast aluminum alloy

5HX5V / 3HX3V: Discrete Polycarbonate Lens per LED

Gaskets

High temperature silicone

IP Rating

Ingress protection rating of IP66 for dust and water

Vibration Rating

3G vibration rating per ANSI C136.31

Effective Project Area (EPA)

MODEL#	EPA w/SLIPFITTER	EPA w/TRUNNION
FXLEDXS	0.31	0.25
FXLEDS	0.42	0.32
FXLEDM	0.61	0.52
FXLEDL	1.02	1.02
FXLEDL/RGB	1.0	0.8

Green Technology

Mercury and UV free. RoHs-compliant components.

Finish

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

ELECTRICAL

Drivers

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

FXLEDXS

80W: 120V: 0.69A, 208V: 0.42A, 240V: 0.37A, 277V: 0.33A

60W: 120V: 0.52A, 208V: 0.33A, 240V: 0.30A, 277V: 0.28A

40W: 120V: 0.36A, 208V: 0.24A, 240V: 0.23A, 277V: 0.22A

FXLEDS

168W: 120V: 1.44A, 208V: 0.82A, 240V: 0.71A, 277V: 0.62A

132W: 120V: 1.10A, 208V: 0.64A, 240V: 0.56A, 277V: 0.50A

97W: 120V: 0.83A, 208V: 0.49A, 240V: 0.43A, 277V: 0.38A

69W: 120V: 0.60A, 208V: 0.36A, 240V: 0.32A, 277V: 0.30A

FXLEDM

346W: 120V: 3.00A, 208V: 1.68A, 240V: 1.50A, 277V: 1.28A

213W: 120V: 1.78A, 208V: 1.00A, 240V: 0.90A, 277V: 0.80A

FXLEDL

534W: 120V: 4.55A, 208V: 2.60A, 240V: 2.30A, 277V: 2.00A

445W: 120V: 3.75A, 208V: 2.15A, 240V: 1.90A, 277V: 1.68A

ELECTRICAL

Constant Current, Class 2, 120-277V, 50/60 Hz

FXLEDL-RGB

FXLEDL (4000K): 0.78A @120V, 0.58A @208V, 0.50A @240V, 0.44A @277V

FXLEDL/R: 0.73A @120V, 0.56A @208V, 0.5A @240V, 0.44A @277V

FXLEDL/G: 0.75A @120V, 0.57A @208V, 0.48A @240V, 0.42A @277V

FXLEDL/B: 0.80A @120V, 0.59A @208V, 0.49A @240V, 0.43A @277V

FXLEDL/RGBW: 2.83A @120V, 1.63A @208V, 1.42A @240V, 1.25A @277V

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

FXLEDXS

80W: 480V: 0.18A

60W: 480V: 0.14A

40W: 480V: 0.10A

FXLEDS

168W: 480V: 0.37A

132W: 480V: 0.30A

97W: 480V: 0.24A

69W: 480V: 0.19A

FXLEDM

346W: 480V: 0.74A

213W: 480V: 0.50A

FXLEDL

534W: 480V: 1.15A

445W: 480V: 0.99A

Surge Protection

L/N: 6kV, L/N-G: 10kV

Dimming Driver

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

Note: /RGB models do not require 0-10V dimming circuit

THD / Power Factor @4000K

MODEL#	WATTS	THD	PF	THD	PF	THD	PF
		120V		277V		480V	
FXLEDXS	80W	5.9%	99.6%	9.1%	96.3%	15.1%	94.5%
FXLEDS	168W	5.9%	99.7%	8.0%	95.4%	12.7%	94.6%
FXLEDM	346W	8.9%	99.4%	7.2%	97.0%	11.4%	96.1%
FXLEDL	534W	5.8%	99.7%	6.0%	98.4%	11.8%	95.9%

MODEL#	WATTS	THD	PF	THD	PF
		120V		277V	
FXLEDL/RGB	340W	16.0%	97.5%	18.5%	76.4%
FXLEDLB55/RGB		15.9%	97.5%	19.0%	76.4%
FXLEDLB33/RGB		16.01%	97.5%	18.8%	76.2%

OTHER

Warranty

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty, to be made BAA compliant.

Lifespan

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

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WIRELESS NETWORK LIGHTING CONTROLS

Lightcloud products offer integrated network lighting control for a truly wireless solution that allows you to manage RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and commercial applications. Each device can communicate with other devices in the mesh network. With two Lightcloud systems to choose from, it's easy to implement controls anywhere.

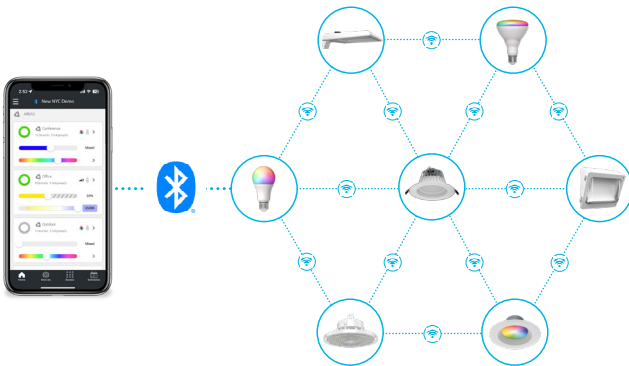


Learn more about Lightcloud wireless networked lighting controls.

Design Lights Consortium Network Lighting Controls:

- Interior Applications: N1XMLOEATB
- Exterior Applications: NHCZ2BIA17L

Lightcloud®



- Utilizes Bluetooth Mesh, eliminating the need for a Gateway or Hub
- Ideal for applications that need basic wireless control such as ON/OFF, dimming, color tuning, Schedules, and SmartShift
- Download the Lightcloud Blue mobile app for iOS or Android devices
- Add the XDIM/BRIDGE/LCB and LCGATEWAY to adopt premium Lightcloud Enterprise features

SIMPLE SETUP



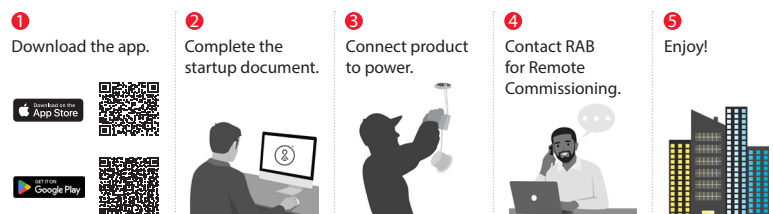
Learn more about [Lightcloud Blue](#). Visit the [Lightcloud Blue Resources](#) page for more information on how to use the system.

Lightcloud®



- Utilizes a secure cellular and Zigbee mesh network that requires a Gateway or Hub (sold separately)
- Offers premium features like remote commissioning, demand response, BACnet integration, and more
- Download the Lightcloud Enterprise mobile app for iOS or Android devices

SIMPLE SETUP



Learn more about [Lightcloud Enterprise](#). Visit the [Lightcloud Enterprise Resources](#) page for more information on how to use the system.

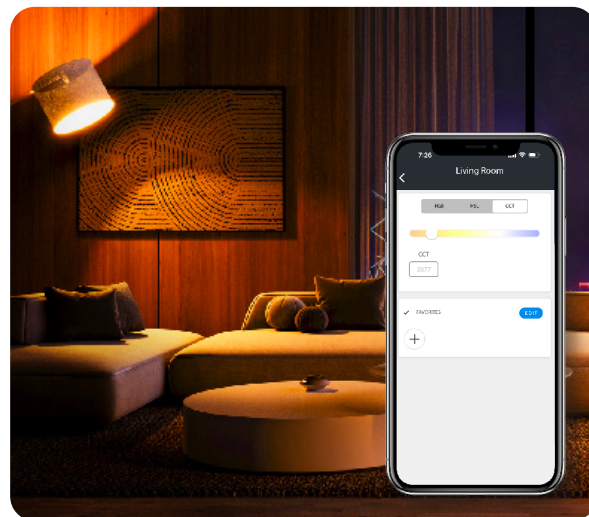
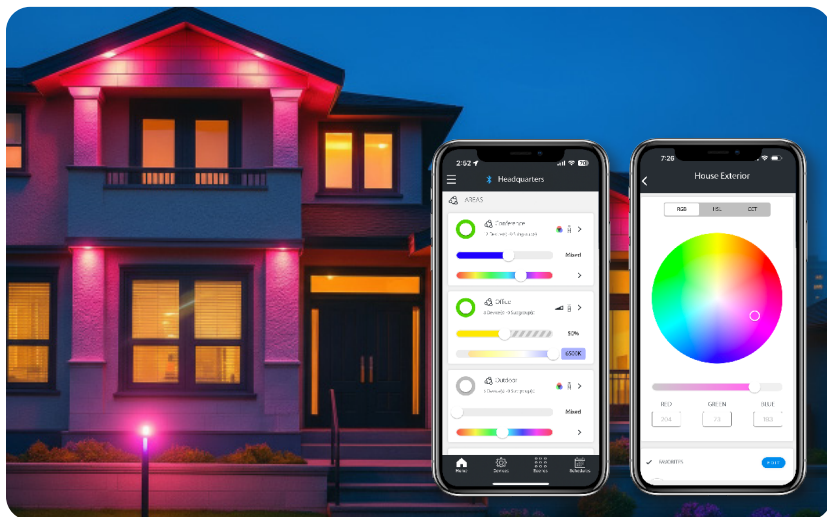
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COLOR TUNING

Products available with color tuning options offer endless possibilities to enhance any application. Create Scenes and Schedules from the Lightcloud interface and choose the desired color temperature (2200K-6500K*) or up to 16+ million colors*. [Explore RGB color-tuning products.](#)

**Color options may vary by product, see individual product specification sheet for more details.*



SmartShift is the first lighting technology that can promote better sleep, health and happiness. Once installed alongside a Lightcloud control system, it automatically tunes the color and intensity of indoor lights throughout the day, mimicking the sun's changing light as it rises and sets. [Learn more about SmartShift.](#)



2700K

6500K

2700K

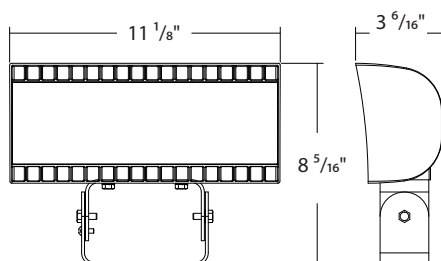
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DIMENSIONS

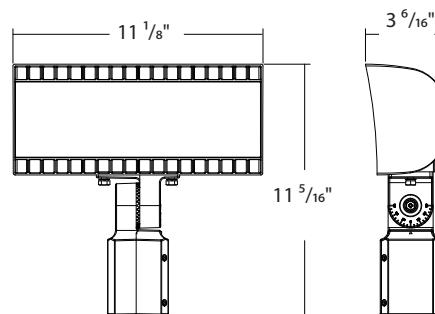
FXLEDXST : 80/60/40W

Weight 6.28 lbs



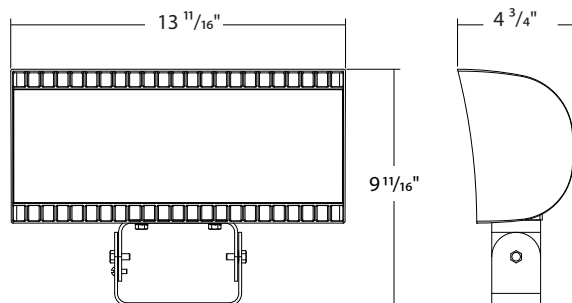
FXLEDSSF : 80/60/40W

Weight 5.95 lbs



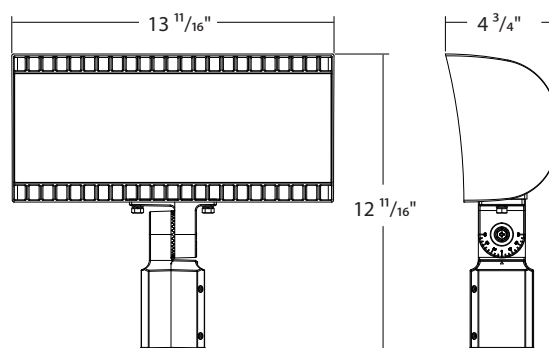
FXLEDST : 169W/132W/97W/69W

Weight 10.6 lbs



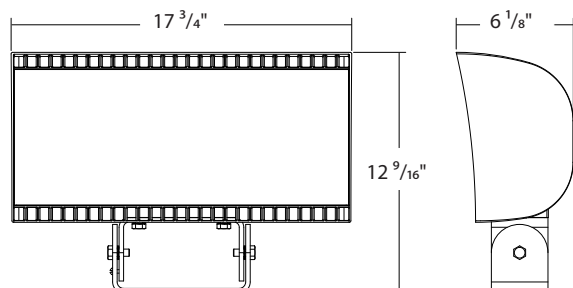
FXLEDSSF : 169W/132W/97W/69W

Weight 10.6 lbs



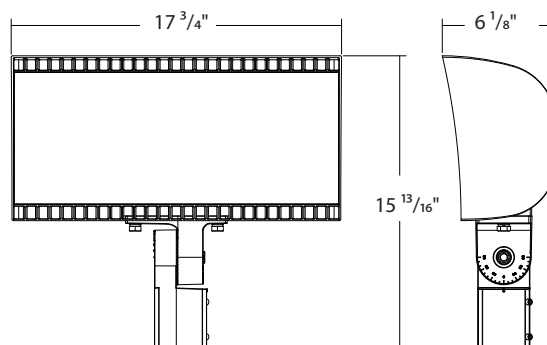
FXLEDMT : 346W/213W

Weight 24.2 lbs



FXLEDMSF : 346W/213W

Weight 21.9 lbs



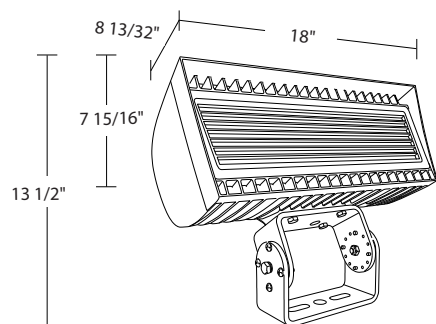
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DIMENSIONS (CONTINUED)

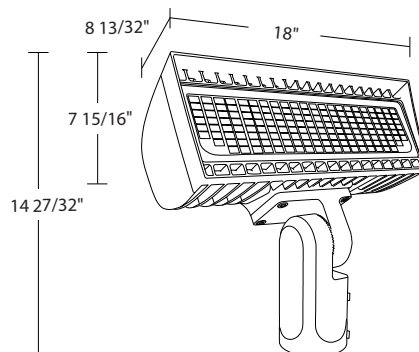
FXLEDMB33T / FXLEDMB55T : 346W/213W

Weight 35.6 lbs (With Trunnion Mount)



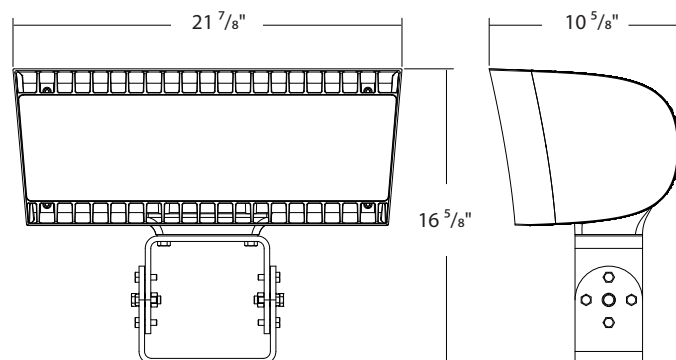
FXLEDMB33SF / FXLEDMB55SF: 346W/213W

Weight 31.7 lbs (With Slipfitter mount)



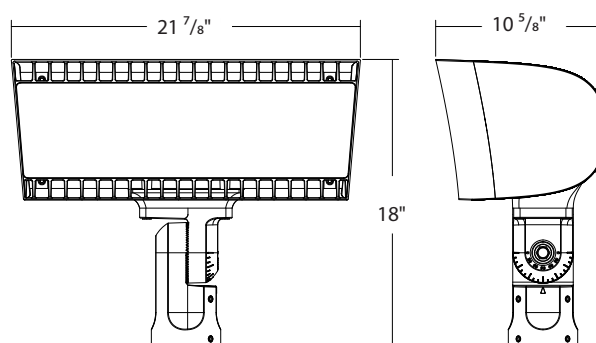
FXLEDLT : 534W/445W

Weight 53.7 lbs



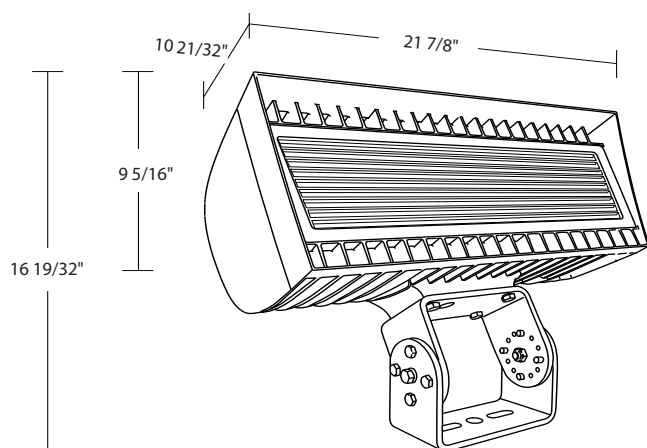
FXLEDLSF : 534W/445W

Weight 47.7 lbs



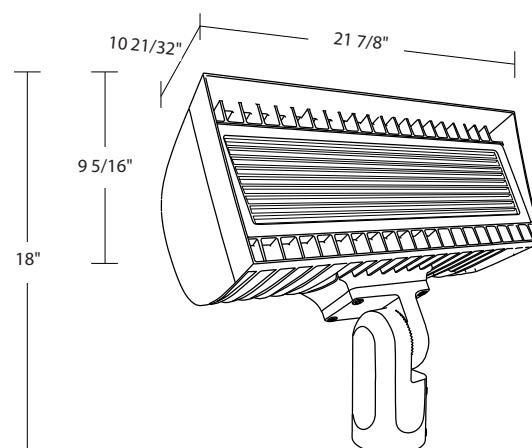
FXLEDLB33T / FXLEDLB55T : 534W/445W

Weight 59 lbs (With Trunnion Mount)



FXLEDLB33SF / FXLEDLB55SF : 534W/445W

Weight 54.6 lbs (With Slipfitter Mount)



FXLED Field-Adjustable Floodlights



ORDERING MATRIX

FXLED

Family	Size / Selectable Watts	Color Temperature	NEMA Type	Mounting	Finish	Driver**	Options
FXLED							
XS	80/60/40W	BLANK 3000/4000/5000K	BLANK 6H x 6V (XS & S) ¹	SF Slipfitter	BLANK Bronze	BLANK 120-277V,	BLANK No Option
S	168/132/97/69W	CCT Adjustable	or 7H x 6V (M & L) ²	T Trunnion	W White	0-10V Dimming	7 Pin Receptacle
M	346/213W	BLANK 4000/5000K * B33	3H x 3V (M & L) ^{2,3}			/480 480V,	
L	534/445W	CCT Adjustable B55	5H x 5V (M & L) ^{2,3}			0-10V Dimming	

¹ Available on extra small (XS) and small (S) sizes only

² Available on medium (M) and large (L) sizes only

³ B33 & B55 only available in 4000/5000K CCT

* 4000/500K adjustable CCT not available on 6H x 6V and 7H x 6V optics

FXLED (RGB)

Family	Size / Wattage	Color Temperature	NEMA Type	Mounting	Finish	Driver	RGB Color Tuning
FXLED	L						/RGB
L	340W	BLANK 2200-4000K Tunable White	BLANK 7HX6V 5HX5V 3HX3V B55 B33	SF Slipfitter Trunnion T	BLANK Bronze	BLANK 120-277V	/RGB 16+ Million RGB colours