FFLED Field-Adjustable Floodlights

FFLEDS (Small)

FFLEDM (Medium)

FFLEDL (Large)

Field-adjustable floodlight

0-10V | 100,000 HOURS | WET RATED | IP RATING | FIELD ADJUSTABLE

PROJECT:

DATE:

TYPE:

PREPARED BY:

KEY FEATURES

* Available in three different sizes:
  SMALL: **18W, 26W & 39W** selectable
  MEDIUM: **52W & 80W** selectable
  LARGE: **120W, 180W & 230W** selectable
* CCT: 3000K or selectable 4000K/5000K.
* **Knuckle** mount on small and medium fixtures
* **Slipfitter** and **Trunnion** available on medium and large fixtures
* Available in **bronze** and **white** finish
* UL listed for **wet location**
* **IP66** listed
* **0-10V** dimmable

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed
Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

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.

IP Rating
Ingress protection rating of IP66 for dust and water

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

LED CHARACTERISTICS

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.

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

PERFORMANCE

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

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
Small: Knuckle
Medium: Knuckle, Slipfitter, Trunnion
Large: Slipfitter, Trunnion

Tilt increment
Slipfitter: 5°
Trunnion: 30°

Lens
Ultra-clear tempered glass

Reflector
Vacuum metalized polycarbonate

Gaskets
High-temperature silicone

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

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

IP Rating
Ingress protection of IP66 for dust and water

TECHNICAL SPECIFICATIONS (CONTINUED)

ELECTRICAL

Drivers:
Constant Current, Class 2, 120-277V, 50/60 Hz
Constant Current, Class 1, 480V, 50/60 Hz

FFLEDS (Small) @ 5000k/4000k
18W: 120V: 0.15A, 208V: 0.09A, 240V: 0.08A, 277V: 0.07A
26W: 120V: 0.25A, 208V: 0.14A, 240V: 0.13A, 277V: 0.11A
39W: 120V: 0.38A, 208V: 0.22A, 240V: 0.19A, 277V: 0.17A

FFLEDM (Medium) @ 5000k/4000k
52W: 120V: 0.44A, 208V: 0.25A, 240V: 0.22A, 277V: 0.19A
80W: 120V: 0.67A, 208V: 0.39A, 240V: 0.34A, 277V: 0.29A

FFLEDL (Large) @ 5000k/4000k
120W: 120V: 1.00A, 208V: 0.58A, 240V: 0.50A, 277V: 0.44A
180W: 120V: 1.50A, 208V: 0.87A, 240V: 0.75A, 277V: 0.65A
250W: 120V: 2.10A, 208V: 1.20A, 240V: 1.10A, 277V: 0.91A

FFLEDL (Large) @ 480V
120W: 480V: 0.26A
180W: 480V: 0.39A
250W: 480V: 0.55A

Surge Protection
Small: 4kV
Medium: 6kV
Large: 6kV

ELECTRICAL

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

OPTICAL

NEMA Type:

NEMA Beam Spread of 7H x 6V

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.

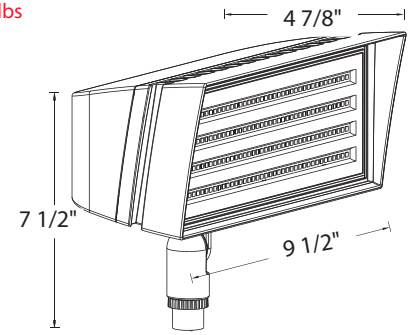
Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the BUY American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

DIMENSIONS

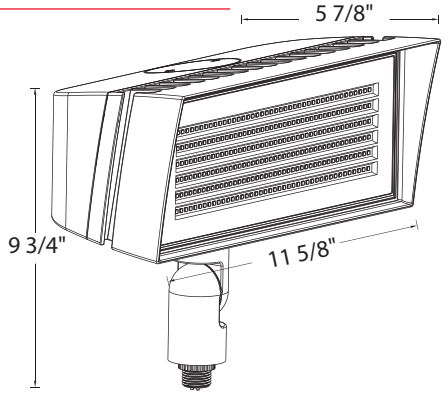
FFLEDS (SMALL): 18W/26W/39W

Weight 5.3 lbs



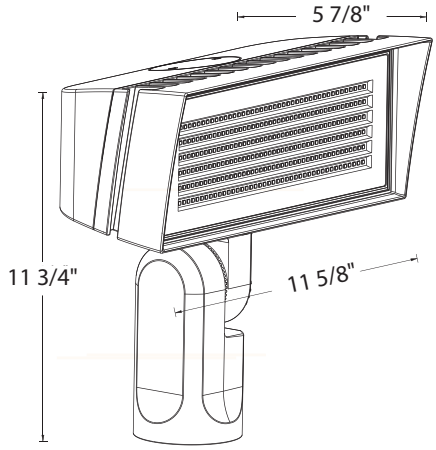
FFLEDM (MEDIUM): 52W/80W

Weight 9.7 lbs



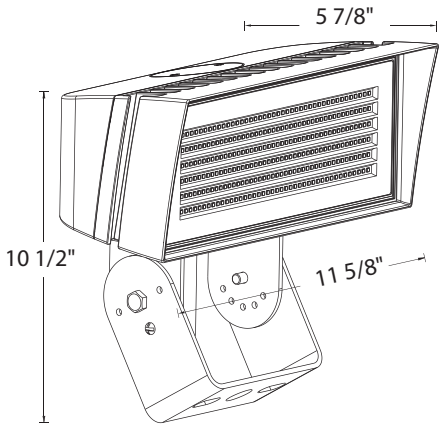
FFLEDMSF (MEDIUM): 52W/80W

Weight 11 lbs



FFLEDMT (MEDIUM): 52W/80W

Weight 12.3 lbs



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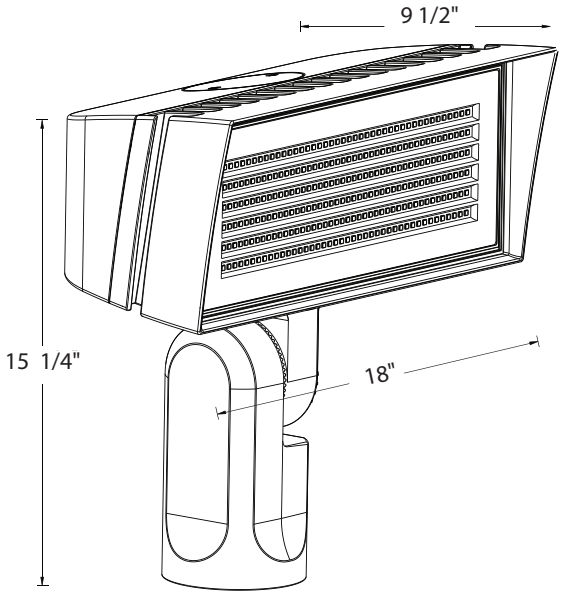
DIMENSIONS (CONTINUED)

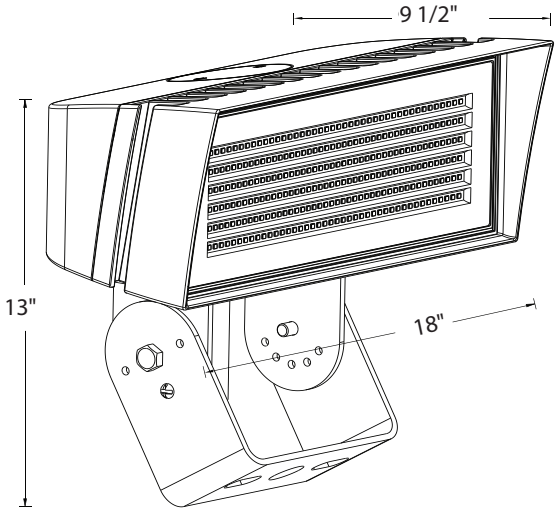
FFLEDLSF (LARGE): 120W/180W/230W

Weight 27.5 lbs



FFLEDLT (LARGE): 120W/180W/230W

Weight 27.9 lbs



PERFORMANCE

FFLED Small	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	18W	18W	18W	26W	26W	26W	39W	39W	39W
Input Watts	18.4W	18W	18W	32W	31.3W	31.2W	47W	46.4W	46W
Lumens	2515	2619	2615	4257	4461	4464	6048	6241	6243
Lm/W	136.3	145.8	145.4	133.2	142.4	142.9	128.7	134.5	135.8
CRI	82	83	82	82	82	82	82	82	82
Voltage Ratings	120-277V			120-277V			120-277V		

FFLED Medium	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	52W	52W	52W	80W	80W	80W
Input Watts	55.8W	57.5W	56.4W	76W	77.0W	75.9W
Lumens	7467	8138	8290	9758	10440	10813
Lm/W	133.8	141.5	147.0	128.5	135.5	142.4
CRI	82	82	82	82	82	82
Voltage Ratings	120-277V			120-277V		

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PERFORMANCE (CONTINUED)

FFLED Large	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	120W	120W	120W	180W	180W	180W	230W	230W	230W
Input Watts	115.5W	117.5W	117.9W	189.9W	193.4W	193.7W	259.7W	260.5W	259.3W
Lumens	17411	18739	19048	27705	29444	29973	36140	38160	38662
Lm/W	150.8	159.5	161.6	145.9	152.2	154.7	139.2	146.5	149.1
CRI	83	83	82	82	82	82	82	82	82
Voltage Ratings	120-277V			120-277V			120-277V		

FFLED Large	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	120W	120W	120W	180W	180W	180W	230W	230W	230W
Input Watts	105.7W	106.4W	105.4W	170W	171.9W	169.7W	253.9W	253.6W	252.8W
Lumens	15978	17066	17252	25291	26913	27233	36371	37983	39017
Lm/W	151.2	160.4	163.7	148.8	156.5	160.5	143.2	149.8	154.3
CRI	83	83	82	82	83	81	82	82	81
Voltage Ratings	480V			480V			480V		

ORDERING MATRIX

FFLED

Family	Housing Size	Color Temperature	Mounting	Finish	Voltage	Options
FFLED						
	S Small (18W/26W/39W) M Medium (52W/80W) L Large (120W/180W/230W)	BLANK FA 5000K/4000K Y 3000K	BLANK Knuckle Mount [1] SF Slipfitter [2] T Trunnion [2]	BLANK Bronze W White	BLANK 120-277V /480 480V [3]	BLANK No Option /7PR 7 Pin Receptacle [2] /PCU Universal Button Photocell [1]

[1] Available only for Small & Medium
[2] Available only for Medium & Large
[3] Available only for Large