# FFLED39B44W/PCS2

# RAB



Rectangular shaped LED floodlight designed to replace 150W Metal Halide. patentpending "Air-Flow" technology ensures long LED and driver lifespan. Use for building façades lighting, sign lighting, LED landscape lighting and instant-on security lighting.

Color: White

# **Technical Specifications**

# Compliance

# UL Listed:

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

### **IP Rating:**

Ingress protection rating of IP66 for dust and water

### Title 24 Compliant:

An FFLED flood light can be used with a motion sensor or photocell control option to comply with 2016 Title 24 Part 6 Section 130.2 (a,b,c)

# Performance

#### Lifespan:

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

### Wattage Equivalency:

Equivalent to 150W Metal Halide

### Other

Note:

All values are typical (tolerance +/- 10%)

### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) 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 <u>rablighting.com/warranty</u>.

### Patents:

The FFLED design is protected by U.S. Pat. D643,147, Canada Pat. 140798, China Pat. ZL201130171304.1, Mexico Pat. 36757 and pending patent in Taiwan.

# 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.

### Construction

Lens:

Soda lime silica clear glass

#### Housing:

Die-cast aluminum housing, lens frame and mounting arm

Proje	ect:	Туре:	Туре:			
Prepa	ared By:	Date:				
Driver Info		LED Info				
Туре	Constant Current	Watts	39W			
120V	N/A	Color Temp	5000K (Cool)			
208V	0.23A	Color Accuracy	75 CRI			
240V	0.20A	L70 Lifespan	100,000 Hours			
277V	0.16A	Lumens	5,281 lm			

#### Mounting:

Input Watts 40.7W

Heavy-duty mounting arm with "O" ring seal & stainless steel screw

Efficacy

129.8 lm/W

#### Maximum Ambient Temperature:

Suitable for use in up to  $40^{\circ}C$  ( $104^{\circ}F$ )

#### **Cold Weather Starting:**

The minimum starting temperature is -40°C (-40°F)

# Effective Projected Area:

EPA = 0.65

### Green Technology:

Mercury and UV free. RoHS-compliant components.

### Finish:

Formulated for high durability and long-lasting color

# LED Characteristics

# LEDs:

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

### **Color Consistency:**

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

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# **Technical Specifications (continued)**

## **Color Stability:**

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

# **Color Uniformity:**

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2017.

# Optical

NEMA Type:

NEMA Beam Spread of 4H x 4V

# Electrical

## Driver:

Constant Current, Class 2, 120-277V, 50-60Hz, 120V: 0.35A, 208V: 0.23A, 240V: 0.13A, 277V: 0.11A

## **Dimming Driver:**

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

### THD:

10.18% at 120V, 18.18% at 277V

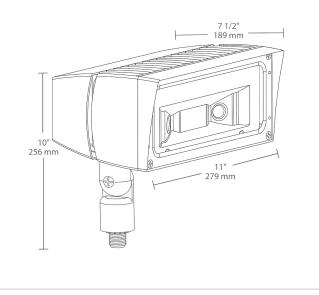
# Power Factor:

99% at 120V, 91.4% at 277V

# Photocell:

277V Swivel photocell included. Photocell is compatible with 208V-277V.

## Dimensions



# Features

Ultra-efficient LED and optical design

Replaces 150W MH floodlights

100,000-hour life based on LM-80 results and TM-21 calculations

"Air-Flow" technology heatsink

5-Year, No-Compromise Warranty

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Ordering I	Matrix							
Family	Wattage	Mounting	Color Temp	NEMA Type	Finish	Driver	Options	Other Options
FFLED	39			B44	W		/PCS2	
	<b>18</b> = 18W <b>26</b> = 26W <b>39</b> = 39W <b>52</b> = 52W <b>80</b> = 80W	SF = Slipfitter T = Trunnion Blank = Swivel Arm	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = 7H x 6V B55 = 5H x 5V B44 = 4H x 4V	Blank = Bronze W = White	Blank = On/Off <sup>1</sup> /D10 = 0-10V Dimming /480 = 480V On/Off <sup>2</sup> /E = 120-277V Battery Backup /EC = Cold Start Battery Backup	Blank = No Option /PC = 120V Photocell /PC2 = 277V Photocell /PCS = 120V Swivel Photocell /PCS4 = 480V Swivel Photocell /PCU = 120-277V Button Photocell /MS = Mini Sensor /STL3 = Stealth Sensor	Blank = Standard USA = BAA Compliant
			<sup>1</sup> Dii	mming Driver for 1 ² Not availat	8W, 26W & 39V ble for 80W mo	,		