# FFLED52SF/D10



52W

5000K

67 CRI

100000

102 LPW

5,496



Rectangular shaped LED floodlight designed to replace 175W Metal Halide. Patent Pending airflow technology ensures long LED and driver lifespan. Use for building facade lighting, sign lighting, LED landscape lighting and instant-on security lighting.

Color: Bronze

## **Technical Specifications**

#### Electrical

#### **Dimming Driver:**

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

#### Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 4 kV surge protection, 120V: 0.45A, 208V: 0.27A, 240V: 0.24A, 277V: 0.21A

#### **Power Factor:**

99.4% at 120V, 94.6% at 277V

#### THD:

8.4% at 120V, 9.3% at 277V

#### Listings

#### **UL Listing:**

Suitable For Wet Locations. Suitable for mounting within 1.2M(4FT) of the ground.

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

#### **DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: PA1PKJSVT

## Optical

### Lumen Maintenance:

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

#### NEMA Type:

NEMA Beam Spread of 7H x 6V

#### Construction

Weight: 14.2 lbs

#### IP Rating:

Ingress Protection rating of IP65 for dust and water.

**Project:** 

**Driver Info** 

Type: 120V:

208V:

240V:

277V:

Input Watts:

Efficiency:

Prepared By:

#### **Ambient Temperature:**

Suitable for use in 40°C ambient temperatures.

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

The minimum starting temperature is -40°C/-40°F

Thermal Management Housing:

Superior heat sinking with external Air-Flow fins.

## Housing:

Die-cast aluminum housing, lens frame and mounting arm.

#### Mounting:

Heavy-duty Slip Fitter for 2 3/8" OD pipe.

**Effective Projected Area:** 

## EPA = 0.75

Reflector:

Specular polycarbonate

Gaskets:

High-temperature silicone gaskets.

#### Finish:

Constant Current

0.45A

0.27A

0.24A

0.21A

54W

97%

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Type:

Date:

LED Info

Color Temp:

Color Accuracy:

L70 Lifespan:

Lumens:

Efficacy:

Watts:

### Green Technology:

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

#### Threaded Size:

1/2" threaded arm.

#### LED Characteristics

#### LEDs:

Two multi-chip, 26Watt high performance LEDs.

#### **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 CCT over a 5 year period.

#### **Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2015.

#### Other

#### Equivalency:

The FFLED52SF is equivalent in delivered lumens to a 175W Metal Halide.



## **Technical Specifications (continued)**

## Other

#### California Title 24:

FFLED52SF/D10 complies with 2013 California Title 24 building and electrical codes as commercial outdoor non-pole-mounted fixture > 30 Watts mounted up to 24 feet when used with the RAB Stealth Dimmer. Use catalog code STLDIM10 to order a Stealth Dimmer module.

#### 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.

## 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.

## Dimensions

#### **Country of Origin:**

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

#### **Buy American Act Compliant:**

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

#### **Recovery Act (ARRA) Compliant:**

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

#### **Trade Agreements Act Compliant:**

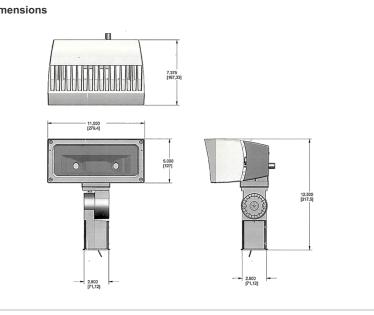
This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

## **GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

## American Bureau of Shipping (ABS) :

For use on Mobile Offshore Drilling Units (MODU) and shipping vessels.



#### Features

Ultra efficient LED and optical design

Replaces 175W MH floodlights

100,000 hour life based on LM-80 tests

Air-flow technology heatsink

5-year warranty

#### **Ordering Matrix**

Family	Watts	Mount	Color Temp	Beam Spread	Finish	Dimming	Voltage	Photocell
FFLED								
	<b>52</b> = 52W	Blank = Arm	Blank = 5000K (Cool)	Blank = 7H x 6V	Blank = Bronze	Blank = No Dimming	<b>Blank</b> = 120-277V	Blank = No Photocell
		<b>T</b> = Trunnion	<b>Y</b> = 3000K (Warm)	<b>B44</b> = 4H x 4V	W = White	/D10 = Dimmable	/480 = 480 Volt	/PC = 120V Button
		SF = Slipfitter	N = 4000K (Neutral)	<b>B55</b> = 5H x 5V				/PC2 = 277V Button
								/PCS = 120V Swivel
								/PCS2 = 277V Swivel