FFLED52N

RAB LIGHTING

Project:	Type:
Prepared By:	**Date:**

Driver Info

Type:	Constant Current		
120V:	0.45A		
208V:	0.27A		
240V:	0.24A		
277V:	0.21A		
Input Watts:	54W		
Efficiency:	96%		

LED Info

Watts:	52W
Color Temp:	4000K (Neutral)
Color Accuracy:	82 CRI
L70 Lifespan:	100,000
Lumens:	4,536
Efficacy:	84 LPW

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   Weight: 12.5 lbs

Technical Specifications

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.

LED Characteristics

Lifespan:

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

LEDs:

Two multi-chip, 26Watt high performance LEDs.

Color Consistency:

3-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 C78.377-2008.

Construction

IP Rating:

Ingress Protection rating of IP65 for dust and water.

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

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

Thermal Management Housing:

Superior heat sinking with external Air-Flow fins.

Housing:

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

Mounting:

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

Effective Projected Area:

EPA = 0.65

Reflector:

Specular polycarbonate

Gaskets:

High-temperature silicone gaskets.

Finish:

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

Green Technology:

Mercury and UV free.

Optical

NEMA Type:

NEMA Beam Spread of 7H x 6V

Electrical

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, 96.6% at 277V

THD:

6.7% at 120V, 7.5% at 277V

Other

Threaded Size:

1/2" threaded arm.

Equivalency:

The FFLED52N is equivalent in delivered lumens to a 175W Metal Halide.

California Title 24:

Select an FFLED52N model equipped with a 0-10V driver (look for /D10 in the catalog #) for a 2013 California Title 24 compliant model.

Need help? Tech help line: **888 RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

Page 1 of 2

RAB
LIGHTING

Technical Specifications (continued)

Other

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.

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).
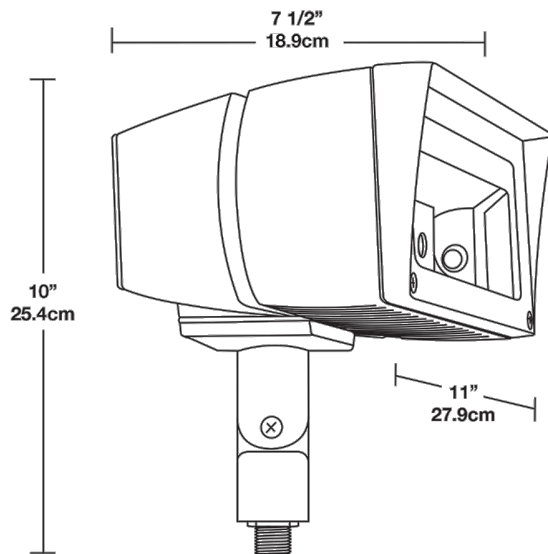
Trade Agreements Act Compliant:

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.

Dimensions

7 1/2"
18.9cm

10"
25.4cm

11"
27.9cm

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								
	52 = 52W	**Blank** = Arm	**Blank** = Cool	**Blank** = 7H x 6V	**Blank** = Bronze	**Blank** = No Dimming	**Blank** = 120-277V	**Blank** = No Photocell
		T = Trunnion	**Y** = Warm	**B44** = 4H x 4V	**W** = White	**/D10** = Dimmable	**/480** = 480 Volt	**/PC** = 120V Button
		SF = Slipfitter	**N** = Neutral	**B55** = 5H x 5V				**/PC2** = 240V Button
								/PCS = 120V Swivel
								/PCS2 = 240V Swivel

Need help? Tech help line: **888 RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

Copyright © 2014 RAB Lighting Inc. All Rights Reserved   Note: Specifications are subject to change at any time without notice

Page 2 of 2