



Rectangular shaped LED floodlight designed to replace 70W Metal Halide. patent-pending "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: Bronze

Weight: 3.9 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.2A
208V	0.15A
240V	0.13A
277V	0.11A
Input Watts	19.3W

LED Info

Watts	18W
Color Temp	3000K (Warm)
Color Accuracy	83 CRI
L70 Lifespan	100,000 Hours
Lumens	2,069 lm
Efficacy	107.2 lm/W

Technical Specifications

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50 - 60 Hz, 120V: 0.2A, 208V: 0.15A, 240V: 0.13A, 277V: 0.11A

THD:

8.7% at 120V, 16.74% at 277V

Power Factor:

99.1% at 120V, 91.3% at 277V

Surge Protection:

6 kV

Performance

Lifespan:

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

Compliance

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.

UL Listed:

Suitable for wet locations. Suitable for ground mounting.

Trade Agreements Act Compliant:

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

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.

Optical

NEMA Type:

NEMA Beam Spread 7H x 6V

Construction

Airflow:

Airflow technology heat sink for superior cooling

Ambient Temperature:

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

Cold Weather Starting:

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

Thermal Management Housing:

Die-cast aluminum housing, lens frame and mounting arm

Reflector:

Semi-specular anodized aluminum

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

LED Characteristics

LEDs:

Multi-chip, high-output, long-life LEDs

Color Consistency:

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

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.

Installation

Mounting:

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

Other

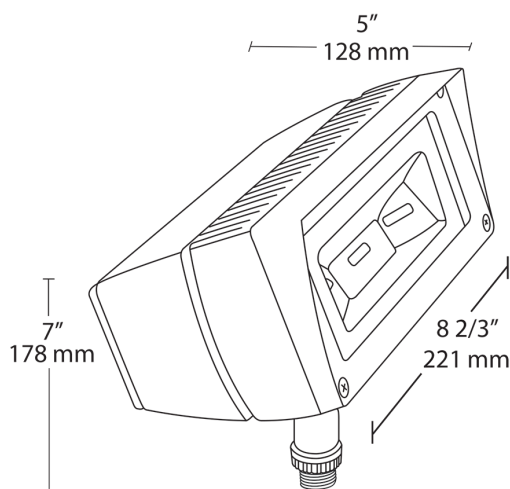
5-Year, No-Compromise Warranty:

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 rablighting.com/warranty.

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



Features

Ultra-efficient LED and optical design

Replaces 70W MH floodlights

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

NEMA type - 7H x 6V

"Air-Flow" technology heatsink

5-Year, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Mounting	Color Temp	NEMA Type	Finish	Driver	Options	Other Options
FFLED	18		Y					
	18 = 18W	Blank = Knuckle Mount	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = 7H x 6V	Blank = Bronze W = White	/E = 120-277V Battery Backup /EC = Cold Start Battery Backup Blank = On/Off	Blank = No Option /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /PCS4 = 480V Swivel Photocell /PCU = 120-277V Button Photocell /MS = Mini Sensor /STL3 = Stealth Sensor	Blank = Standard