



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: White

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 | 19.7W            |

LED Info

|                |               |
|----------------|---------------|
| Watts          | 18W           |
| Color Temp     | 5000K (Cool)  |
| Color Accuracy | 71 CRI        |
| L70 Lifespan   | 100,000 Hours |
| Lumens         | 2,429 lm      |
| Efficacy       | 123.3 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:

11.89% at 120V, 17.78% at 277V

Power Factor:

98.7% at 120V, 91% at 277V

Surge Protection:

6 kV

Performance

Lifespan:

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

Wattage Equivalency:

Equivalent to 70W Metal Halide

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](https://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:

7-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

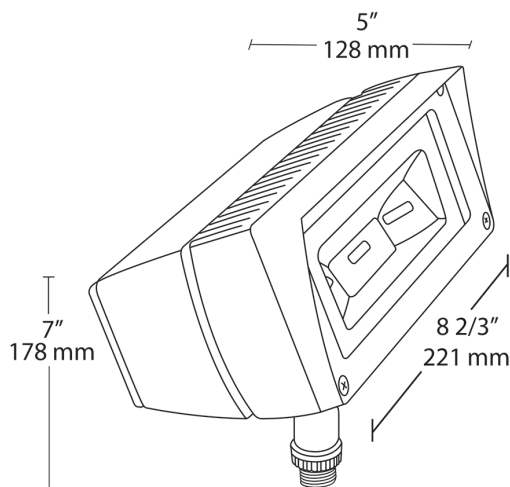
#### 5-Year, No-Compromise Warranty:

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](http://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       |                       |                                                           |                 | W                           |                                                                                   |                                                                                                                                                                                                        |                  |
|        | 18 = 18W | Blank = Knuckle Mount | Blank = 5000K Cool<br>N = 4000K Neutral<br>Y = 3000K Warm | Blank = 7H x 6V | Blank = Bronze<br>W = White | /E = 120-277V Battery Backup<br>/EC = Cold Start Battery Backup<br>Blank = On/Off | Blank = No Option<br>/PCS = 120V Swivel Photocell<br>/PCS2 = 277V Swivel Photocell<br>/PCS4 = 480V Swivel Photocell<br>/PCU = 120-277V Button Photocell<br>/MS = Mini Sensor<br>/STL3 = Stealth Sensor | Blank = Standard |