

product

Rectangular shaped LED floodlight with patent pending airflow fins to keep it running cool. Suggested application: building facades, signage, landscapes.

Color: White

Weight: 40.8 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

**Driver Info**

Type: Constant Current  
 120V: 1.58A  
 208V: 0.94A  
 240V: 0.82A  
 277V: 0.69A  
 Input Watts: 188W  
 Efficiency: 96%

**LED Info**

Watts: 180W  
 Color Temp: 4000K  
 Color Accuracy: 74 CRI  
 L70 Lifespan: 100000  
 Lumens: 28082  
 Efficacy: 150 LPW

## 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 listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities.

DLC Product Code: PT4BLCY1

### Electrical

**Driver:**

Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 1.58A, 208V: 0.94A, 240V: 0.82A, 277V: 0.69A

**Dimming Driver:**

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

**THD:**

6% at 120V, 8.7% at 277V

**Power Factor:**

99.8% at 120V, 96.2% at 277V

**Photocell:**

120-277V twistlock photocell included. Photocell is compatible with 120-277V.

**Surge Protection:**

4kV

### LED Characteristics

**LEDs:**

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

**Lifespan:**

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

**Color Stability:**

LED color temperature is warranted 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 C78.377-2017.

### Construction

**IP Rating:**

Ingress Protection rating of IP66 for dust and water

**Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

**Ambient Temperature:**

Suitable for use in 40°C (104°F) ambient temperatures.

**Thermal Management Housing:**

Superior heat sinking with external Air-Flow fins.

**Housing:**

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

**Mounting:**

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

**Lens:**

Clear glass lens

**Reflector:**

Specular vacuum metalized polycarbonate

**Effective Projected Area:**

EPA = 2.1

**Gaskets:**

High-temperature silicone gaskets

**Finish:**

Formulated for high-durability and long lasting color.

**Green Technology:**

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

### Optical

**NEMA Type:**

NEMA Beam Spread of 7H x 6V

## 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.

#### 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.

### Dimensions



### Features

- Ultra efficient LED and optical design
- 100,000 hour life based on LM-80 tests
- Air-flow technology heatsink
- 5-year warranty

### Ordering Matrix

Family	Wattage	Mounting	Color Temp	Beam Option	Finish	Driver	Options
FFLED	180	SF	N		W	/D10	/PCT
	230 = 230W 180 = 180W	SF = Slipfitter T = Trunnion	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = 7H x 6V	Blank = Bronze W = White	/D10 = 120-277V, 0-10V Dimming /480/D10 = 480V w/ 0-10V Dimming	Blank = No Option /7PR = 7 Pin Receptacle /PCT = 3 Pin Twistlock Photocell 120-277V /PCT4 = 3 Pin Twistlock Photocell 480V /LC = Lightcloud® Controller /SP = 10KV Surge Suppressor