# FFLED180SFW/D10/LC





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:	Туре:
Prepared By:	Date:

Driver Info		LED Info		
Type:	Constant Current	Watts:	180W	
120V:	1.58A	Color Temp:	5000K	
208V:	0.94A	Color Accuracy:	75 CRI	
240V:	0.82A	L70 Lifespan:	100000	
277V:	0.69A	Lumens:	27912	
Input Watts:	185W	Efficacy:	151 LPW	
Efficiency:	97%			

# **Technical Specifications**

### Lightcloud

### **Lightcloud Controller Installed:**

Lightcloud is a commercial wireless lighting control system and service fully developed and supported by RAB. It's powerful and flexible, yet easy to use and install.

#### 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: PVUMDRLD

## **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:

6.1% at 120V, 9.3% at 277V

# Power Factor:

99.8% at 120V, 96.2% at 277V

# **Surge Protection:**

4kV

## **LED Characteristics**

#### I EDe

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 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 C78.377-2017.

# 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:**

SuitableFor 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:

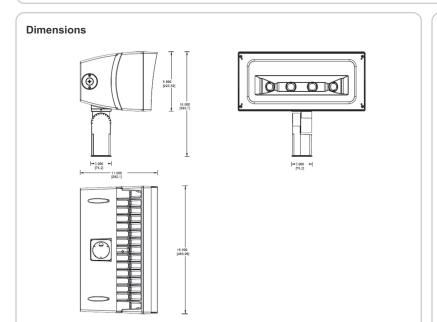
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

### 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.



## 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			W	/D10	/LC			
	230 = 230W 180 = 180W	SF = Slipfitter T = Trunnion	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	<b>Blank</b> = 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 480\ /LC = Lightcloud® Controller /SP = 10KV Surge Suppressor			