# WPLEDFC104W/PCS





| Project:     | Туре: |
|--------------|-------|
| Prepared By: | Date: |

| Driver Info  |                  | LED Info        |        |
|--------------|------------------|-----------------|--------|
| Type:        | Constant Current | Watts:          | 104W   |
| 120V:        | 0.95A            | Color Temp:     | 5000K  |
| 208V:        | N/A              | Color Accuracy: | 69 CRI |
| 240V:        | N/A              | L70 Lifespan:   | 100000 |
| 277V:        | N/A              | Lumens:         | 10,026 |
| Input Watts: | 113W             | Efficacy:       | 88 LPW |
| Efficiency:  | 92%              |                 |        |
|              |                  |                 |        |
|              |                  |                 |        |

# **Technical Specifications**

### **Electrical**

#### Photocell:

120V Swivel Photocell Included. Photocell is only compatible with 120V.

#### Driver:

Constant current, Class 1, 100-277V, 50/60 Hz, 4kV Surge Protection, 700mA, 100-277V = 0.95A, Power Factor 99.3%.

### THD:

5.7% at 120V, 10.4% at 277V

### Listings

### **UL Listing:**

UL Suitable for Wet Locations as Uplight and Downlight Wall Mount Only.

### Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

# 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.

### Construction

### IP Rating:

Ingress Protection rating of IP66 for dust and water.

### For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

### **Cold Weather Starting:**

Minimum starting temperature is -40°F / -40°C

### **Maximum Ambient Temperature:**

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

### **Thermal Management:**

Superior thermal management with external Air-Flow

#### Housing:

Precision die-cast aluminum housing, door frame arm and wall bracket.

## Mounting:

Die-cast aluminum wall bracket with (5) 1/2" conduit openings with plugs. Two-piece bracket with tether for ease of installation and wiring.

### Arm:

Die-cast aluminum with wiring access plate.

## Cutoff:

Full cutoff (0°)

# Lens:

Tempered glass.

## Reflector:

Specular vacuum metallized polycarbonate.

### Gaskets:

High-temperature silicone

#### 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. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

# **LED Characteristics**

# LEDs:

Four multi-chip, high-output, long-life LEDs.

# Lifespan:

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

### Color Consistency:

7-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 Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377.2011.

# Other

### Equivalency:

The WPLEDFC104 is Equivalent in delivered lumens to a 400W Metal Halide Wallpack.



# **Technical Specifications (continued)**

# Other

#### California Title 24:

WPLEDFC104/PCS complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture > 30 Watts mounted at height greater than 24 feet. For mounting heights < 24 feet see WPLED52/BL with bi-level operation; additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

### Patents:

The design of the WPLEDFC104 is protected by patents pending in US, Canada, China, Taiwan and Mexico.

### **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.

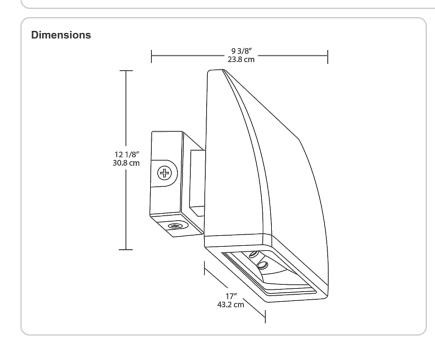
#### Warranty:

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.

# Optical

### **BUG Rating:**

B2 U0 G1



# Features

High performance LED light engine

Maintains 70% of initial lumens at 100,000 hours

Weatherproof high temperature silicone gaskets

Superior heat sinking with die cast aluminum housing and external fins

Replaces 400W MH

100 up to 277 Volts

5-year warranty

| Ordering Matrix | x  |                   |   |                             |  |   |                                       |
|-----------------|--|-------------------|---|-----------------------------|--|---|---------------------------------------|
| Family          | Cutoff   | Watts             | Color Temp  | Finish                      | Voltage  | Photocell   | Bi-Level                              |
| WPLED           |  |                   |   |                             |  |   |                                       |
|                 | Blank = Standard<br>C = Cutoff<br>FC = Full Cutoff | <b>104</b> = 104W | Blank = 5000K (Cool)<br>Y = 3000K (Warm)<br>N = 4000K (Neutral) | Blank = Bronze<br>W = White | <b>Blank</b> = 120-277V<br>/ <b>480</b> = 480V | Blank = No Photocell /PCS = 120V Swivel /PCS2 = 277V Swivel | Blank = No Bi-Level<br>/BL = Bi-Level |