

product

Ultra high output, high efficiency 50 Watt LED wallpacks. Patent Pending airflow technology ensures long LED and driver lifespan. 5 Year Warranty.

Color: White

Weight: 34.8 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

**Driver Info**

Type: Constant Current  
 120V: 0.46A  
 208V: 0.27A  
 240V: 0.23A  
 277V: 0.20A  
 Input Watts: 51W  
 Efficiency: 97%

**LED Info**

Watts: 50W  
 Color Temp: 3000K  
 Color Accuracy: 82 CRI  
 L70 Lifespan: 100000  
 Lumens: 3,991  
 Efficacy: 78 LPW

## Technical Specifications

### Electrical

**Dimming Driver:**

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

**Driver:**

Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

**THD:**

7.0% at 120V, 7.2% at 277V

**Surge Protection:**

6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

### Listings

**UL Listing:**

Suitable for wet locations as a downlight.

**IESNA LM-79 & IESNA LM-80 Testing:**

RAB LED fixtures have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

**Dark Sky Approved:**

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

**DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.  
 DLC Product Code: PV5VJ9UQ

### LED Characteristics

**Lifespan:**

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

**LEDs:**

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

**Color Consistency:**

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

**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 Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

### Construction

**IES Classification:**

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

**IP Rating:**

Ingress Protection rating of IP66 for dust and water.

**Ambient Temperature:**

Suitable for use in 40°C ambient temperatures.

**Cold Weather Starting:**

The minimum starting temperature is -40°C/-40°F

**Thermal Management:**

Superior patent pending thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

**Housing:**

Die cast aluminum housing, lens frame and mounting arm.

**Mounting:**

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

**Reflector:**

Specular vacuum-metallized polycarbonate

**Gaskets:**

High temperature silicone gaskets

**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.

### Other

**Equivalency:**

WPLED™ 50W replaces 200W metal halide

**California Title 24:**

WPLED50 with available photocell option complies with 2013 California Title 24 building and electrical codes as a commercial outdoor pole-mounted fixture ≤ 75 Watts. Add /PCT to include a photocell.

## Technical Specifications (continued)

### Other

#### Patents:

The WPLED™ design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

#### 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.

#### 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.

#### Optical

#### BUG Rating:

B0 U0 G1

## Dimensions



## Features

- High output, high efficiency LED
- 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
- 100 up to 277 Volts
- 5-year warranty

## Ordering Matrix

| Family | Distribution  | Watts | Color Temp | Mount     | Finish  | Voltage  | Photocell      | Dimming  | Sensor                                    | Bi-Level |
|--------|---------------|-------|------------|-----------|---------|----------|----------------|----------|---|----------|
| WPLED  |               |       |            |           |         |          |                |          |   |          |
|        | 2T = Type II  | 50 =  | Blank =    | Blank =   | Blank = | Blank =  | Blank =        | Blank =  | /WS2 =                                    | Blank =  |
|        | 3T = Type III | 50W   | 5000K      | Standard  | Bronze  | 120-277V | No             | No       | Multi-Level Motion Sensor (Only           | No       |
|        | 4T = Type IV  |       | (Cool)     | FX = Flat | W =     | /480 =   | Photocell      | Dimming  | available for 120-277V with /D10 for 50W) | Bi-Level |
|        |               |       | Y = 3000K  | Wall      | White   | 480V     | /PC = 120V     | /D10 =   |   | Level    |
|        |               |       | (Warm)     |           |         |          | Button         | Dimmable |   |          |
|        |               |       | N = 4000K  |           |         |          | /PC2 = 277     |          |   |          |
|        |               |       | (Neutral)  |           |         |          | Button         |          |   |          |
|        |               |       |            |           |         |          | /PCS = 120V    |          |   |          |
|        |               |       |            |           |         |          | Swivel         |          |   |          |
|        |               |       |            |           |         |          | /PCS2 = 277V   |          |   |          |
|        |               |       |            |           |         |          | Swivel         |          |   |          |
|        |               |       |            |           |         |          | /PCT = 120-    |          |   |          |
|        |               |       |            |           |         |          | 277V Twistlock |          |   |          |
|        |               |       |            |           |         |          | /PCS4 = 480V   |          |   |          |
|        |               |       |            |           |         |          | Swivel         |          |   |          |
|        |               |       |            |           |         |          | /PCT4 = 480V   |          |   |          |
|        |               |       |            |           |         |          | Twistlock      |          |   |          |