

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**

**LED Info**

|              |                  |                 |              |
|--------------|------------------|-----------------|--------------|
| Type:        | Constant Current | Watts:          | 50W          |
| 120V:        | N/A              | Color Temp:     | 3000K (Warm) |
| 208V:        | N/A              | Color Accuracy: | 82 CRI       |
| 240V:        | N/A              | L70 Lifespan:   | 100,000      |
| 277V:        | N/A              | Lumens:         | 3,913        |
| Input Watts: | 55W              | Efficacy:       | 71 LPW       |
| Efficiency:  | 91%              |                 |              |

## Technical Specifications

### 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.

### 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 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.

### 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°F/-40°C.

**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, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

### Electrical

**Driver:**

Constant Current, Class 2, 1400mA, 347-480V, 50-60Hz, 0.13A, Power Factor 99%

**Ballast Volts:**

480V

**Surge Protection:**

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

### 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.

**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.

## Technical Specifications (continued)

### Other

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