

## 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: 52W  
Efficiency: 96%

### LED Info

Watts: 50W  
Color Temp: 3000K (Warm)  
Color Accuracy: 82 CRI  
L70 Lifespan: 100,000  
Lumens: 4,199  
Efficacy: 81 LPW

## 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.

#### 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: P00001795

### 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 IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

#### 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, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

#### THD:

6.9% at 120V, 7.8% at 277V

#### 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.

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.

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:

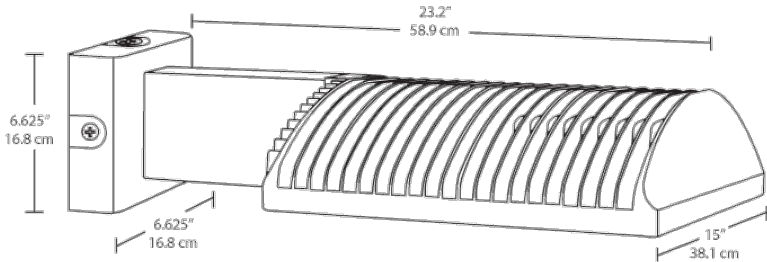
Suitable in accordance with FAR Subpart 25.4.

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