

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

Other

WPLED4T50 with Photocell:

120V-277V Photocell Twist

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.

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.

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.

Technical Specifications (continued)

Construction

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:

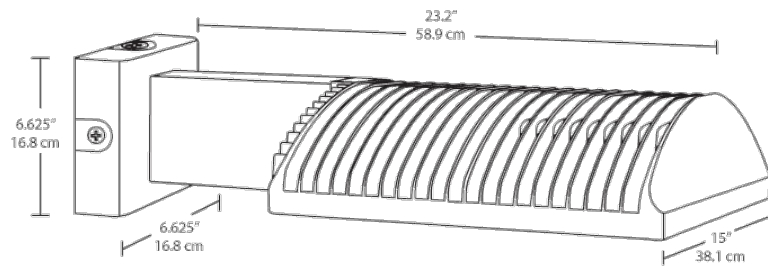
6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

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