



Ultra high output, high efficiency 105 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: N/A
 208V: N/A
 240V: N/A
 277V: N/A
 Input Watts: 109W
 Efficiency: 96%

LED Info

Watts: 105W
 Color Temp: 4000K
 Color Accuracy: 82 CRI
 L70 Lifespan: 100000
 Lumens: 8,790
 Efficacy: 81 LPW

Technical Specifications

Electrical

Photocell:

480V Swivel Photocell Included. Photocell is only compatible with 480V.

Drivers:

Two Drivers, Constant Current, Class 2, 1400mA, 347-480V, 50/60Hz, 0.25A, Power Factor 99%

Ballast Volts:

480V

Listings

UL Listing:

Suitable for wet locations.

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 been 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 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.

Maximum Ambient Temperature:

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

Cold Weather Starting:

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

Thermal Management:

Superior thermal management with external Air-Flow fins.

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.

For use on LEED Buildings:

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

Other

California Title 24:

WPLED4T105/PCS4 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 WPLED4T105/BL with bi-level operation; additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

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.

Patents:

The design of WPLED105 is protected by patents pending in US, Canada, China, Taiwan and Mexico.

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:

B1 U0 G2

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 | 105 = | Blank = | Blank = | Blank = | Blank = | Blank = | Blank = | /WS2 = | Blank = |
| | 3T = Type III | 105W | 5000K | Standard | Bronze | 120-277V | No Photocell | No Dimming | Multi-Level Motion Sensor (Only available for 120-277V with /D10 for 105W) | No Bi-Level |
| | 4T = Type IV | | (Cool) | FX = Flat | W = | /480 = | /PC = 120V | /D10 = | | /BL = |
| | | | Y = 3000K | Wall | White | 480V | Button | Dimmable | | Level |
| | | | (Warm) | | | | /PC2 = 277 | | | |
| | | | N = 4000K | | | | Button | | | |
| | | | (Neutral) | | | | /PCS = 120V | | | |
| | | | | | | | Swivel | | | |
| | | | | | | | /PCS2 = 277V | | | |
| | | | | | | | Swivel | | | |
| | | | | | | | /PCT = 120- | | | |
| | | | | | | | 277V Twistlock | | | |
| | | | | | | | /PCS4 = 480V | | | |
| | | | | | | | Swivel | | | |
| | | | | | | | /PCT4 = 480V | | | |
| | | | | | | | Twistlock | | | |