| Project: | Type: |
|---|---|
| **Prepared By:** | **Date:** |

Ultra-high efficiency LED 18 Watt wallpack. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Color: White          Weight: 14.9 lbs

### Driver Info

| | |
|---|---|
| Type: | Constant Current |
| 120V: | 0.17A |
| 208V: | 0.11A |
| 240V: | 0.09A |
| 277V: | 0.08A |
| Input Watts: | 20W |
| Efficiency: | 89% |

### LED Info

| | |
|---|---|
| Watts: | 18W |
| Color Temp: | 5000K |
| Color Accuracy: | 73 CRI |
| L70 Lifespan: | 100000 |
| Lumens: | 2508 |
| Efficacy: | 124 LPW |

## Technical Specifications

### Listings

**UL Listing:**

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

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

RAB LED luminaries have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-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.

**LED:**

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

**Color Consistency:**

7-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 C78.377-2015.

**Replacement:**

Replaces 150W Metal Halide.

### Electrical

**Driver:**

Constant Current, Class 2, 100-277V, 50/60 Hz, 4 kV surge protection, 500mA, 100-240VAC: 0.3-0.15A, 277VAC: 0.15A, Power Factor: 99%

**Emergency Battery Backup:**

Emergency battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

### Construction

**Maximum Ambient Temperature:**

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

**Cold Weather Starting:**

Minimum starting temperature is -40° F (-40° C)

**Thermal Management:**

Superior heat sinking with external Air-Flow fins

**Finish:**

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

**Reflector:**

Semi-specular, vacuum-metalized polycarbonate

**Gaskets:**

High-temperature silicone gaskets

**Housing:**

Die-cast aluminum housing, lens frame and mounting arm

### Mounting:

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

**Green Technology:**

Mercury and UV free. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

### Other

**California Title 24:**

WPLED18 with available photocell options comply with 2013 California Title 24 building and electrical codes as a commercial outdoor non-pole-mounted fixture ≤ 30 Watts. Add /PC, /PC2, /PCS or /PCS2 to RAB catalog number to add a photocell.

**For Use on LEED Buildings:**

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

**Patents:**

The design of WPLED18 is protected by US patent D608,040, Canada patent 138280, and China patent CN301649064S.

**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.

## Technical Specifications (continued)

### Other

**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.

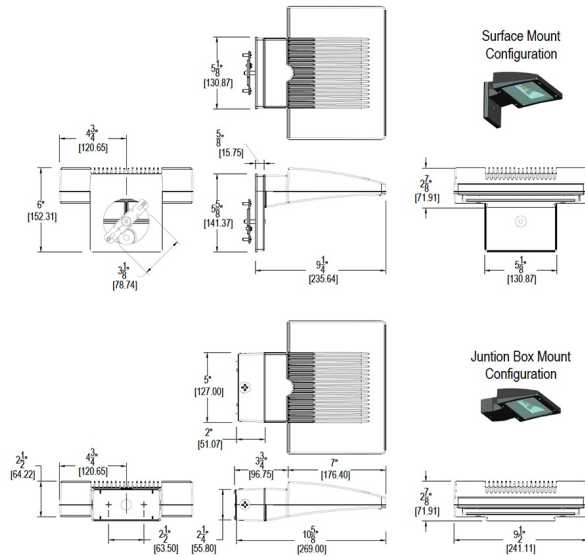**GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

### Optical

**BUG Rating:**

B1 U0 G0

**BUG Rating:**

B1 U0 G0

### Dimensions



Surface Mount Configuration

Juntion Box Mount Configuration

### Features

Ultra-high efficiency LED 18 Watt wallpack

Replaces 150W Metal Halide Wallpacks

100,00-Hour LED Lifespan

5-Year Warranty

### Ordering Matrix

| Family | Watts | Color Temp | Finish | Options |
|--------|-------|-----------|--------|---------|
| WPLED | | | | |
| | **18** = 18W | **Blank** = 5000K (Cool) | **Blank** = Bronze | **Blank** = No Option |
| | | **Y** = 3000K (Warm) | **W** = White | **/PC** = 120V Button |
| | | **N** = 4000K (Neutral) | | **/PC2** = 277V Button |
| | | | | **/E** = Standard Battery Backup |
| | | | | **/EC** = Battery Backup with Cold Start |

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

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