# WPLED52N/LC

**RAB**

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

LED 52W Wall packs. 3 cutoff options. patent-pending thermal management system. 100,000 hour L70 lifespan. Includes built in support for Lightcloud, RAB's commercial wireless lighting control system. Lightcloud is a commercial wireless lighting control system and service fully developed and supported by RAB. It's powerful and flexible, yet easy to use and install. 5-year, no-compromise warranty.

Color: Bronze                     Weight: 17.7 lbs

### Driver Info

| Type | Constant Current |
|---|---|
| 120V | 0.51A |
| 208V | 0.33A |
| 240V | 0.29A |
| 277V | 0.24A |
| Input Watts | 56.9W |

### LED Info

| Watts | 52W |
|---|---|
| Color Temp | 4000K (Neutral) |
| Color Accuracy | 76 CRI |
| L70 Lifespan | 100,000 Hours |
| Lumens | 7,320 lm |
| Efficacy | 128.6 |

## Technical Specifications

### Compliance

**UL Listed:**
Suitable for wet locations

**IESNA LM-79 &lm-80 Testing:**
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNAlm-79 andlm-80

**DLC Listed:**
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: P00001742

### Electrical

**Driver:**
Constant Current, Class 2, 120-277V, 50-60Hz, 120V: 0.51A, 208V: 0.33A, 240C: 0.29A, 277V: 0.24A

**Dimming Driver:**
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

**THD:**
7.64% at 120V, 5.72% at 277V

**Power Factor:**
99.2% at 120V, 97.5% at 277V

**Surge Protection:**
6kV

### Performance

**Lifespan:**
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

**Wattage Equivalency:**
Equivalent to 250W Metal Halide

### LED Characteristics

**LEDs:**
Two (2) 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 color temperature over a 5-year period

**Color Uniformity:**
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

### Construction

**Ambient Temperature:**
Suitable for use in up to 40°C (104°F)

**Cold Weather Starting:**
The minimum starting temperature is -40°C (-40°F)

**Thermal Management:**
Cast aluminum Thermal Management system for optimal heat sinking. The WPLED is designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

**Housing:**
Precision die-cast aluminum housing, lens frame

**Mounting:**
Die-cast aluminum wall bracket with (5) 1/2" conduit openings with plugs. Two-piece bracket with tether for ease of installation and wiring.

**Arm:**
Die-cast aluminum with wiring access plate

**Cutoff:**
Standard (15°)

**Reflector:**
Specular vacuum-metallized polycarbonate

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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## Technical Specifications (continued)

**Gaskets:**
High-temperature silicone

**Lens:**
Tempered glass

**Finish:**
Formulated for high durability and long-lasting color

**Green Technology:**
Mercury and UV free. RoHS-compliant components.

### Other

**Replacement:**
Replaces 250W HID

**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. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

**Patents:**
The WPLED design is protected by patents in the U.S. Pat D653,377, Canada Pat. 142252, China Pat. ZL201130356930.8, and Mexico Pat. 36921 and pending patent in TW.

**Buy American Act Compliance:**
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

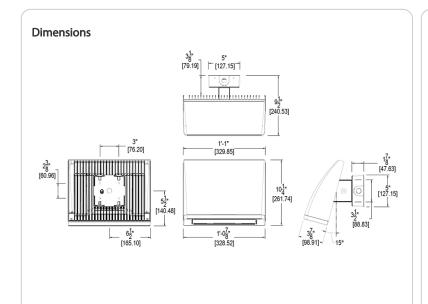### Lightcloud

**Lightcloud Controller Installed:**
Integrated/embedded networked lighting control, luminaire-level lighting control. Fixture, Zone, and plug-load control from one powerful device. LLLC - capable of switching, 0-10Vdimming, power/energy monitoring. Can also be used to extend the range of the Lightcloud mesh network communication protocols. Offers the capability to set the maximum light output to a less-than-maximum state of an individual luminaire at the time of installation or commissioning. The High-End trim functionality is field reconfigurable via the Lightcloud mesh network communication protocols. The Lightcloud controller can be attached to the fixture, junction box, or electrical panel.
DLC system - NHCZ2BIA17L
Learn more about Lightcloud.

### Optical

**BUG Rating:**
B1 U1 G3

# WPLED52N/LC

**RAB**®

## Dimensions



## Features

High performance LED light engine

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

Replaces 250W MH

Traditional wall pack look from the front

3 cutoff options

5-Year, No-Compromise Fixture Warranty and 10-Year, No-Compromise Lightcloud Warranty

Built in support Lightcloud™

Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD

## Ordering Matrix

| Family | Cutoff | Wattage | Color Temp | Finish | Driver Options | Options | Other Options |
|--------|--------|---------|-----------|--------|---------------|---------|---------------|
| WPLED | | 52 | N | | | /LC | |
| | **Blank =** Standard (15 degrees) <br> **C =** Cutoff (7.5 degrees) <br> **FC =** Full Cutoff (0 degrees) | **52 =** 52W <br> **80 =** 80W | **Blank =** 5000K Cool <br> **N =** 4000K Neutral <br> **Y =** 3000K Warm | **Blank =** Bronze <br> **W =** White | **Blank =** 120-277V <br> **/480 =** 480V <br> **/BL =** Bi-Level <br> **/D10 =** 0-10V Dimming | **Blank =** No Option <br> **/LC =** Lightcloud® Controller <br> **/PCS =** 120V Swivel Photocell <br> **/PCS2 =** 277V Swivel Photocell <br> **/PCS4 =** 480V Swivel Photocell | **USA =** BAA Compliant <br> **Blank =** Standard |