

# WPX Premium Wall Packs



WPX1

WPX2



WPX3



PROJECT:

DATE:

TYPE:

PREPARED BY:



## KEY FEATURES

- **Premium** wall pack available in three different sizes and selectable wattages:  
**WPX1:** 30/20/15W  
**WPX2:** 80/60/40W  
**WPX3:** 130/100/65W
- CCT Adjustable: **3000/4000/5000K**
- Selectable **on/off** photocell
- **120-277V & 480V**
- **Battery backup** available for 120-277V models
- Available with **smart controls**. Multi-sensor remote sold separately
- 10-year, no-compromise warranty

Available with Lightcloud controls

**IP65**

IP RATING



FIELD  
ADJUSTABLE



DIMMABLE



100,000  
HRS



WET  
RATED



LIGHTCLOUD

Lightcloud

LIGHTCLOUD  
BLUE

## PERFORMANCE

| WPX1 (30/20/15W) | 3000K    | 4000K | 5000K | 3000K | 4000K | 5000K | 3000K | 4000K | 5000K |
|------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Wattage          | 30W      |       |       | 20W   |       |       | 15W   |       |       |
| Input Watts      | 33.2W    | 32.4W | 33.3W | 26.5W | 26W   | 26.6W | 17.9W | 17.7W | 17.9W |
| Lumens           | 4,470    | 4,739 | 4,619 | 3,648 | 3,818 | 3,764 | 2,497 | 2,575 | 2,562 |
| Efficacy         | 134.6    | 146.3 | 138.7 | 137.7 | 146.8 | 141.5 | 139.5 | 145.5 | 143.1 |
| CRI              | 82       | 84    | 82    | 82    | 84    | 82    | 82    | 84    | 83    |
| Voltage Rating   | 120-277V |       |       |       |       |       |       |       |       |

| WPX2 (80/60/40W) | 3000K    | 4000K  | 5000K  | 3000K | 4000K | 5000K | 3000K | 4000K | 5000K |
|------------------|----------|--------|--------|-------|-------|-------|-------|-------|-------|
| Wattage          | 80W      |        |        | 60W   |       |       | 40W   |       |       |
| Input Watts      | 79W      | 76.6W  | 79.3W  | 57.5W | 56W   | 57.8W | 40W   | 39.3W | 40.1W |
| Lumens           | 10,592   | 11,353 | 11,042 | 8,052 | 8,463 | 8,386 | 5,789 | 5,996 | 5,982 |
| Efficacy         | 134.1    | 148.2  | 139.2  | 140   | 151.1 | 145.1 | 144.7 | 152.6 | 149.2 |
| CRI              | 82       | 84     | 83     | 82    | 84    | 83    | 83    | 84    | 83    |
| Voltage Rating   | 120-277V |        |        |       |       |       |       |       |       |

## PERFORMANCE

| WPX2 (80/60/40W) | 3000K  | 4000K  | 5000K  | 3000K | 4000K | 5000K | 3000K | 4000K | 5000K |
|------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| Wattage          | 80W    |        |        | 60W   |       |       | 40W   |       |       |
| Input Watts      | 79.8W  | 77.2W  | 80.1W  | 59.2W | 57.6W | 59.4W | 42.5W | 41.6W | 42.6W |
| Lumens           | 10,744 | 11,465 | 11,183 | 8,248 | 8,639 | 8,553 | 6,033 | 6,238 | 6,227 |
| Efficacy         | 134.6  | 148.5  | 139.6  | 139.3 | 150   | 144   | 142   | 150   | 146.2 |
| CRI              | 82     | 84     | 83     | 82    | 84    | 83    | 83    | 84    | 83    |
| Voltage Rating   | 480V   |        |        |       |       |       |       |       |       |

| WPX3 (130/100/65W) | 3000K    | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
|--------------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| Wattage            | 130W     |        |        | 100W   |        |        | 65W    |        |        |
| Input Watts        | 127.2W   | 122.8W | 127.4W | 96.8W  | 93.5W  | 97.0W  | 62.9W  | 60.7W  | 63.0W  |
| Lumens             | 18,499   | 20,002 | 19,900 | 14,728 | 15,925 | 15,843 | 10,160 | 10,985 | 10,929 |
| Efficacy           | 145.4    | 162.9  | 156.2  | 152.1  | 170.3  | 163.3  | 161.5  | 181.0  | 173.5  |
| CRI                | 81       | 84     | 82     | 82     | 84     | 82     | 82     | 84     | 82     |
| Voltage Rating     | 120-277V |        |        |        |        |        |        |        |        |

| WPX3 (130/100/65W) | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  | 3000K  | 4000K  | 5000K  |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Wattage            | 130W   |        |        | 100W   |        |        | 65W    |        |        |
| Input Watts        | 129.5W | 125.1W | 129.8W | 99.6W  | 96.2W  | 99.8W  | 68.3W  | 66.0W  | 68.5W  |
| Lumens             | 18,782 | 20,320 | 20,115 | 14,879 | 16,097 | 15,935 | 10,368 | 11,217 | 11,104 |
| Efficacy           | 145.0  | 162.4  | 155.0  | 149.4  | 167.3  | 159.7  | 151.8  | 170.0  | 162.1  |
| CRI                | 81     | 83     | 82     | 82     | 83     | 82     | 82     | 83     | 82     |
| Voltage Rating     | 480V   |        |        |        |        |        |        |        |        |

## TECHNICAL SPECIFICATIONS

### COMPLIANCE

#### UL Listed

Suitable for wet location

#### DLC Listed

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at [designlights.org](http://designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

### LED CHARACTERISTICS

#### LEDs

Long-life, high-efficacy, surface-mount LEDs

### FIELD ADJUSTABLE

**Adjustable CCT:** 3000K/4000K/5000K (factory default 4000K)

#### Selectable Wattage:

WPX1: 30W/20W/15W (factory default 30W)

WPX2: 80W/60W/40W (factory default 80W)

WPX3: 130W/100W/65W (factory default 130W)

*Note: Lightcloud Blue models offer wireless control for on/off and dimming. Color temperature must be adjusted using the dipswitch.*

## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

#### IP Rating

Ingress protection rating of IP65 for dust and water

#### Cold Weather Starting

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

#### Maximum Ambient Temperature

Suitable for use in up to 40°C (104°F)

#### Cold Weather Starting Temperature for Battery Backup

Minimum starting temperature is 1°C (33.8°F)

#### Maximum Ambient Temperature for Battery Backup

Suitable for use in up to 60°C (140°F)

#### Housing

Precision die-cast aluminum housing and door frame

#### Mounting

Hinged wiring access and conduit entries on the back sides, top and bottom make installation a snap

#### Lens

Borosilicate glass

#### Gasket

High-temperature silicone gasket

#### Reflector

Aluminum

#### Green Technology

Mercury and UV free. RoHS-compliant components.

#### Finish

Formulated for high durability and long lasting color

### ELECTRICAL

#### Drivers:

##### Constant Current, Class 2, 120-277V, 50/60 Hz

**WPX1-30W:** 0.28A at 120V, 0.14A at 208V, 0.13A at 240V, 0.12A at 277V

**WPX1-20W:** 0.22A at 120V, 0.10A at 208V, 0.8A at 240V, 0.7A at 277V

**WPX1-15W:** 0.14A at 120V, 0.7A at 208V, 0.6A at 240V, 0.5A at 277V

**WPX2-80W:** 0.66A at 120V, 0.39A at 208V, 0.33A at 240V, 0.30A at 277V

**WPX2-60W:** 0.48A at 120V, 0.29A at 208V, 0.25A at 240V, 0.23A at 277V

**WPX2-40W:** 0.34A at 120V, 0.19A at 208V, 0.17A at 240V, 0.16A at 277V

##### Constant Current, Class 1, 120-277V, 50/60 Hz

**WPX3-130W:** 1.10A at 120V, 0.63A at 208V, 0.55A at 240V, 0.48A at 277V

**WPX3-100W:** 0.84A at 120V, 0.48A at 208V, 0.42A at 240V, 0.37A at 277V

**WPX3-65W:** 0.55A at 120V, 0.32A at 208V, 0.27A at 240V, 0.26A at 277V

##### Constant Current, Class 2, 480V, 50/60 Hz

**WPX2-80W:** 0.18A at 480V

**WPX2-60W:** 0.14A at 480V

**WPX2-40W:** 0.11A at 480V

##### Constant Current, Class 1, 480V, 50/60 Hz

**WPX3-130W:** 0.30A at 480V

**WPX3-100W:** 0.25A at 480V

**WPX3-65W:** 0.18A at 480V

### ELECTRICAL (CONTINUED)

#### Dimming Driver:

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

*Note: Lightcloud Blue models do not require a 0-10V dimming circuit.*

#### THD

**WPX1-30W:** 2.8% at 120V, 20.6% at 277V

**WPX1-20W:** 3.2 at 120V, 11.9% at 277V

**WPX1-15W:** 5.1% at 120V, 9.3% at 277V

**WPX2-80W:** 2.5% at 120V, 3% at 277V

**WPX2-60W:** 2% at 120V, 12% at 277V

**WPX2-40W:** 2% at 120V, 3.7% at 277V

**WPX2-80W:** 7.2% at 480V

**WPX2-60W:** 10.6% at 480V

**WPX2-40W:** 16.1% at 480V

**WPX3-130W:** 4.3% at 120V, 7.5% at 277V

**WPX3-100W:** 4.8% at 120V, 9.4% at 277V

**WPX3-65W:** 5.6% at 120V, 12.9 at 277V

**WPX3-130W:** 13.3% at 480V

**WPX3-100W:** 16.5% at 480V

**WPX3-65W:** 24.0% at 480V

#### Power Factor

**WPX1-30W:** 99.7% at 120V, 93.5% at 277V

**WPX1-20W:** 99.6 at 120V, 90.2% at 277V

**WPX1-15W:** 98.9% at 120V, 81.6% at 277V

**WPX2-80W:** 99.7% at 120V, 95% at 277V

**WPX2-60W:** 99.6% at 120V, 91% at 277V

**WPX2-40W:** 99.2% at 120V, 84.8% at 277V

**WPX2-80W:** 91.3% at 480V

**WPX2-60W:** 85.8% at 480V

**WPX2-40W:** 78.2% at 480V

**WPX3-130W:** 99.9% at 120V, 95.5% at 277V

**WPX3-100W:** 99.6% at 120V, 93.8% at 277V

**WPX3-65W:** 99.3% at 120V, 86.1% at 277V

**WPX3-130W:** 93.7% at 480V

**WPX3-100W:** 91.0% at 480V

**WPX3-65W:** 85.1% at 480V

#### Photocell

Selectable On/Off Photocell included

#### Emergency Light Loss Factor

**WPX2:** 0.08

**WPX3:** 0.073

#### Surge Protection

**WPX1/ WPX2:** 4/4kV

**WPX3:** 6/6kV

## TECHNICAL SPECIFICATIONS

### OCCUPANCY SENSORS

**Sensor Type:** Microwave (MVS)

**Max Mounting Height:** 8 ft. to 15 ft.

**Detection Range:** 10 ft. to 23 ft.

**Default Settings:**

Motion Sensitivity: High

Brightness when triggered : 100%

Hold time: 20 minutes

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

**Adjustable Settings:** Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app. All other sensors will require MSR1 Remote to adjust the following sensor settings:

Standby to dim: 10%/20%/30%/50%

Standby time: 0s/10s/30s/1min/5min/10min/30min/60min/+∞

Daylight Threshold: 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

### OTHER

#### Warranty

The RAB 10-year, no-compromise warranty covers light output, color stability, driver performance, paint finish and labor. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

#### 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.

#### Lifespan

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

## WIRELESS NETWORK LIGHTING CONTROLS

Lightcloud products offer integrated network lighting control for a truly wireless solution that allows you to manage RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and commercial applications. Each device can communicate with other devices in the mesh network. With two Lightcloud systems to choose from, it's easy to implement controls anywhere.

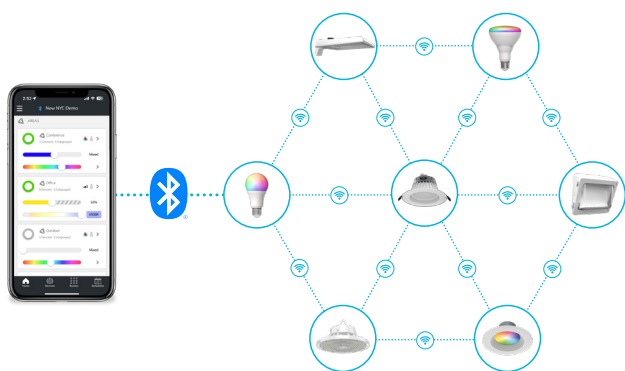


Learn more about Lightcloud wireless networked lighting controls.

Design Lights Consortium Network Lighting Controls:

- Interior Applications: N1XMLOEATB
- Exterior Applications: NHCZ2BIA17L

## Lightcloud®



- Utilizes Bluetooth Mesh, eliminating the need for a Gateway or Hub
- Ideal for applications that need basic wireless control such as ON/OFF, dimming, color tuning, Schedules, and SmartShift
- Download the Lightcloud Blue mobile app for iOS or Android devices
- Add the XDIM/BRIDGE/LCB and LCGATEWAY to adopt premium Lightcloud Enterprise features

### SIMPLE SETUP



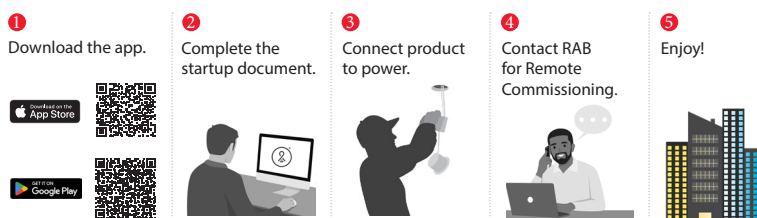
Learn more about [Lightcloud Blue](#). Visit the [Lightcloud Blue Resources](#) page for more information on how to use the system.

## Lightcloud®



- Utilizes a secure cellular and Zigbee mesh network that requires a Gateway or Hub (sold separately)
- Offers premium features like remote commissioning, demand response, BACnet integration, and more
- Download the Lightcloud Enterprise mobile app for iOS or Android devices

### SIMPLE SETUP



Learn more about [Lightcloud Enterprise](#). Visit the [Lightcloud Enterprise Resources](#) page for more information on how to use the system.

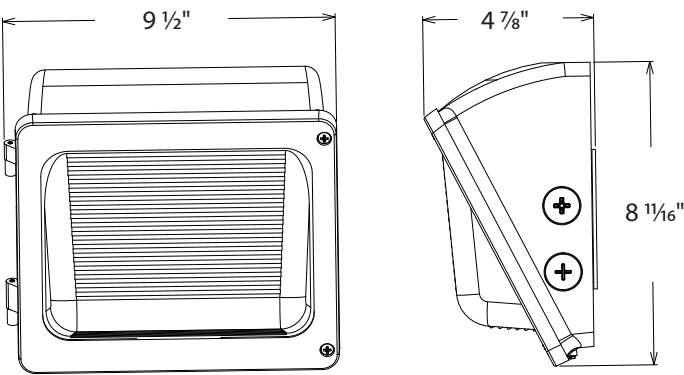
# WPX Premium Wall Packs



## DIMENSIONS

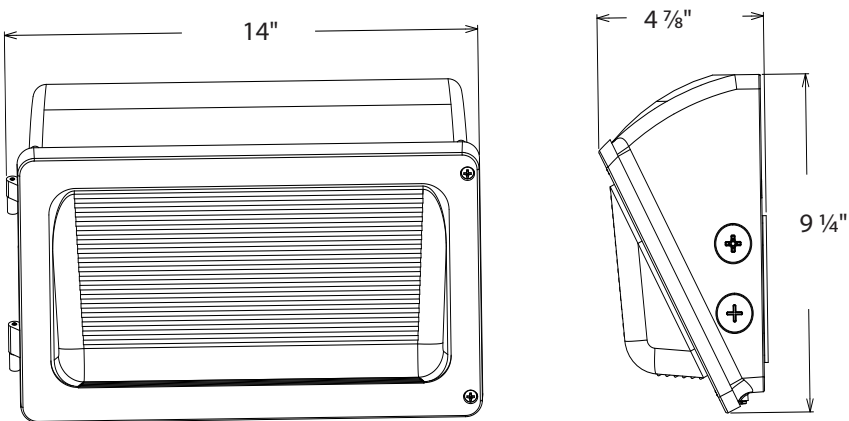
### WPX1

Weight: 6.2 lbs



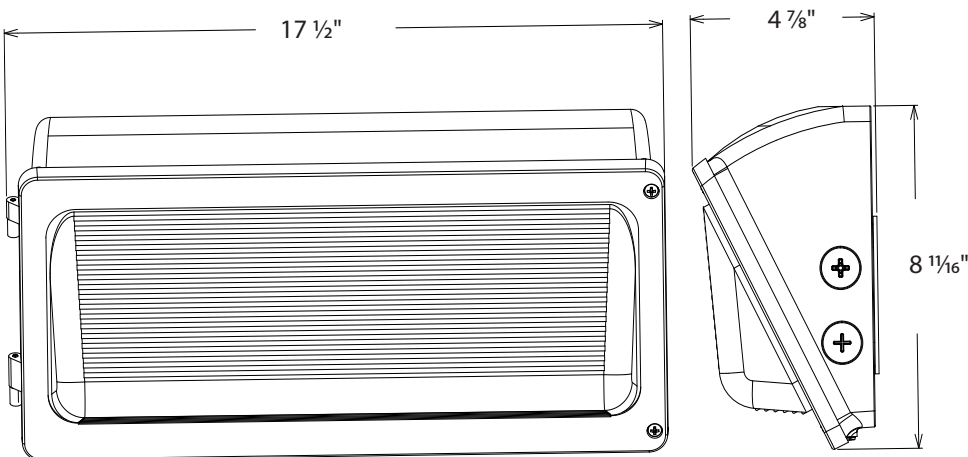
### WPX2

Weight: 9.5 lbs



### WPX3

Weight: 11.8 lbs



# WPX Premium Wall Packs



## PERFORMANCE (CONTINUED)

## ORDERING MATRIX

### WPX

| Family | Wattage     | Color Temp            | Finish       | Driver                 | Controls                               | Battery Backup                 |
|--------|-------------|-----------------------|--------------|------------------------|----------------------------------------|--------------------------------|
| WPX    |             |                       |              |                        |                                        |                                |
| 1      | 30/20/15W   | BLANK 3000/4000/5000K | BLANK Bronze | BLANK 120-277V         | BLANK                                  | BLANK None                     |
| 2      | 80/60/40W   | CCT Adjustable        | W White      | /480 <sup>1</sup> 480V | Selectable, On/Off Photocell           | /E <sup>2</sup> Battery Backup |
| 3      | 130/100/65W |                       |              |                        | /MVS Microwave Sensor                  |                                |
|        |             |                       |              |                        | /LCB Lightcloud Blue                   |                                |
|        |             |                       |              |                        | /LCBS/MVS Lightcloud Blue w/MVS Sensor |                                |
|        |             |                       |              |                        | /LC Lightcloud                         |                                |

<sup>1</sup> 480V available only in WPX2 and WPX3 models  
<sup>2</sup> Battery backup available only for WPX2 and WPX3 in 120-277V models