# PANEL2X2-34YN/D10/LC

**RAB** LIGHTING

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

2' x 2' LED panel lights provide smooth and uniform light edge-to-edge for a clean, modern look. For use in drop ceilings or drywall using the optional recessed mounting kit. Includes built in support for Lightcloud, a wireless lighting control system and service, fully developed by RAB.

Color: White          Weight: 21.0 lbs

### Driver Info

| | |
|---|---|
| Type: | Constant Current |
| 120V: | 0.29A |
| 208V: | 0.167A |
| 240V: | 0.145A |
| 277V: | 0.126A |
| Input Watts: | 33W |
| Efficiency: | N/A |

### LED Info

| | |
|---|---|
| Watts: | 34W |
| Color Temp: | 3500K |
| Color Accuracy: | 83 CRI |
| L70 Lifespan: | 100000 |
| Lumens: | 4,383 |
| Efficacy: | 131 LPW |

## Technical Specifications

### Lightcloud

**Lightcloud Installed:**

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.

### Electrical

**Dimming Driver:**

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

**Driver:**

Constant Current, Class 2, 100-277V, 50/60Hz, 4kV Surge Protection, 700mA, 100-277V 0.4A, Power factor 98.9%, 0-10V Dimming 10%-100%.

**THD:**

6.6% at 120V, 11.1% at 277V

**Power Factor:**

99.3% at 120V, 93.8% at 277V

### Listings

**UL Listed:**

Suitable for damp locations. Recommended for indoor use only.

**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 received the Department of Energy "Lighting Facts" label.

**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: PMEARS6D

### Construction

**IC Rating:**

Suitable for insulated ceilings

**Lens:**

High-transmission acrylic lens with excellent distribution and uniformity.

**Housing:**

Lightweight housing is constructed of extruded aluminum.

**Finish:**

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

**Quick and Easy Installation:**

Modular splice box/driver compartment available for quick installation. Integral Tee grid clips make installation easy and secure.

**Green Technology:**

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

### LED Characteristics

**Lifespan:**

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

**LEDs:**

Long-life, High efficiency, micro-power, surface mount LEDs; binned and mixed for uniform light output and color.

**Color Consistency:**

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

### Other

**California Title 24:**

PANEL2x2-34/D10 complies with 2013 California Title 24 building and electrical codes as a commercial indoor fixture for general spaces when used with a vacancy sensor and 0-10V dimming control. Select a vacancy sensor using catalog number LVS800. 0-10V dimmer provided by others.

**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).
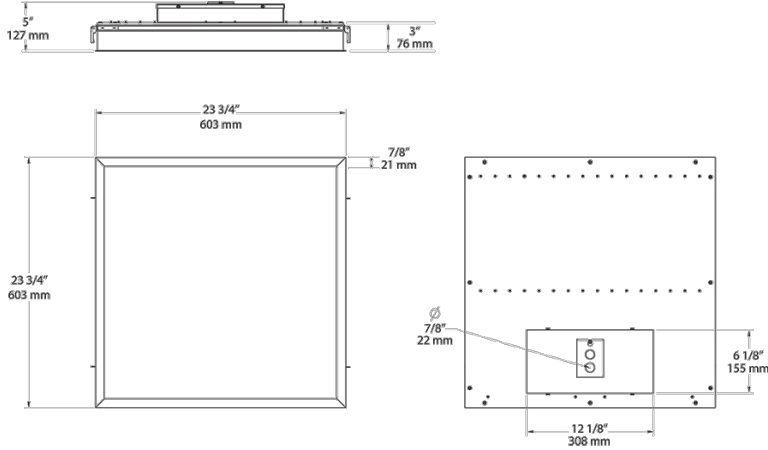
**Trade Agreements Act Compliant:**

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.

# PANEL2X2-34YN/D10/LC

**RAB** LIGHTING

## Dimensions



## Features

- High-transmission acrylic lens provides excellent distribution and uniformity

- UL Listed for damp locations

- 5-year warranty

- Built in support Lightcloud™

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

## Ordering Matrix

| Family | Size | Watts | Color Temp | Dimming | Lightcloud |
|--------|------|-------|-----------|---------|-----------|
| PANEL | 2X2 | 34 | YN | /D10 | /LC |
| | **2X2** = 2' x 2' | **34** = 34W | **Y** = 3000K (Warm) | **Blank** = No Dimming | **/LC** = Lightcloud |
| | | **41** = 41W | **YN** = 3500K (Warm Neutral) | **/D10** = Dimmable | |
| | | **52** = 52W | **N** = 4000K (Neutral) | | |