



2' x 2' LED panel lights with emergency battery Backup that will operate the LED Lamp for 90 minutes if power fails. For use in drop ceilings or drywall using the optional recessed mounting kit.

Color: White

Weight: 21.0 lbs

|                     |              |
|---------------------|--------------|
| <b>Project:</b>     | <b>Type:</b> |
| <b>Prepared By:</b> | <b>Date:</b> |

| Driver Info  |                  | LED Info        |         |
|--------------|------------------|-----------------|---------|
| Type:        | Constant Current | Watts:          | 41W     |
| 120V:        | 0.32A            | Color Temp:     | 3000K   |
| 208V:        | 0.20A            | Color Accuracy: | 82 CRI  |
| 240V:        | 0.17A            | L70 Lifespan:   | 100000  |
| 277V:        | 0.15A            | Lumens:         | 4,898   |
| Input Watts: | 38W              | Efficacy:       | 128 LPW |
| Efficiency:  | N/A              |                 |         |

## Technical Specifications

### 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%.

#### Emergency Battery Backup:

Battery backup will operate the LED Lamp for 90 minutes if power fails. Wired for 120V-277V.

#### Driver:

Constant Current, Class 2, 100-277V, 50/60Hz, 4KV Surge Protection, 800mA, Power factor 99.5%, 0-10V Dimming 10%-100%.

#### THD:

6.5% at 120V, 9.7% at 277V

#### Power Factor:

99.6% at 120V, 92.3% 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.

### 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:

PANEL2x2-41/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:

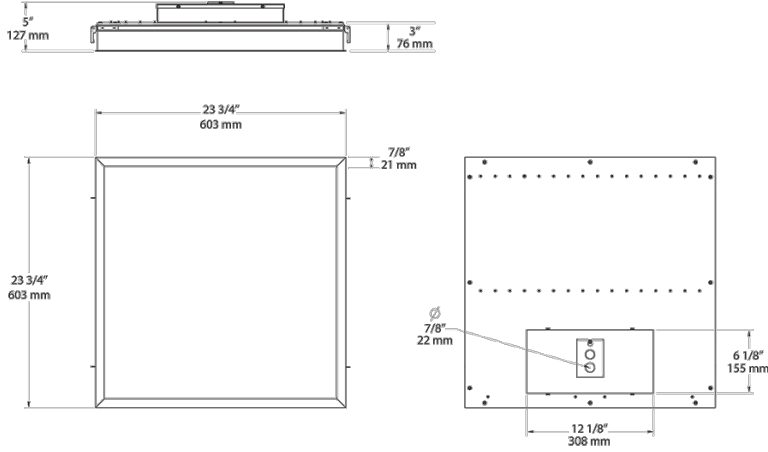
This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

#### GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

# PANEL2X2-41Y/D10/E2

## Dimensions



## Features

High-transmission acrylic lens provides excellent distribution and uniformity

UL Listed for damp locations

5-year warranty

## Ordering Matrix

| Family | Size          | Watts                            | Color Temp   | Dimming                               | Battery Backup        |
|--------|---------------|----------------------------------|--|---------------------------------------|-----------------------|
| PANEL  | 2X2 = 2' x 2' | 34 = 34W<br>41 = 41W<br>52 = 52W | Y = 3000K (Warm)<br>YN = 3500K (Warm Neutral)<br>N = 4000K (Neutral) | Blank = No Dimming<br>/D10 = Dimmable | /E2 = 120-277V Backup |