# PANEL2X4-44N/LC





2' x 4' 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: 34.0 lbs

Project:	Туре:	
Prepared By:	Date:	

Driver Info		LED Info		
Type:	Constant Current	Watts:	44W	
120V:	0.37A	Color Temp:	4000K	
208V:	0.25A	Color Accuracy:	83 CRI	
240V:	0.22A	L70 Lifespan:	100000	
277V:	0.19A	Lumens:	6,120	
Input Watts:	44W	Efficacy:	138 LPW	
Efficiency:	99%			

# **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.

# Listings

# **UL Listing:**

Suitable for damp locations. Recommended for indoor use only.

# 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.

# **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: P00001739

# 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.

# Installation:

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

#### Finish:

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

# 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**

### I FDs:

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

# Lifespan:

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

# Color Consistency:

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

# Electrical

# Drivers:

Two (2) Constant Current, Class 2, 100-277V, 50/60Hz, 4kV Surge Protection, 450mA, 100-277V: 0.4A, Power Factor 99.2%

### THD:

7.3% at 120V, 13.8% at 277V

# **Power Factor:**

99.5% at 120V, 89.5% at 277V

#### Other

#### California Title 24:

See PANEL2x4-44/D10 for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

### 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:**

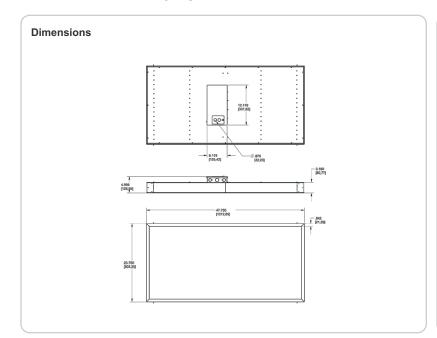
This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

### **GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

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# **Features**

Up to 60% savings on energy costs

High-reflectance (91%) powder coat applied post fabrication for a more durable finish

Ultra-smooth diffusion lens creates uniform light, edge to edge, for evenly lit spaces

100,000-hour LED Lifespan

5-year warranty

Built in support Lightcloud $^{\mathsf{TM}}$ 

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

Ordering Matrix					
Family	Size	Watts	Color Temp	Dimming	Lightcloud
PANEL	2X4	44	N		/LC
	<b>2X4</b> = 2' x 4'	<b>44</b> = 44W <b>59</b> = 59W	Y = 3000K (Warm) YN = 3500K (Warm Neutral) N = 4000K (Neutral)	Blank = No Dimming /D10 = Dimmable	/LC = Lightcloud