# PLED2X13W



26W

5000K

69 CRI

100000

2,069 68 LPW



The PLED is a high performance LED downlight available in 52, 40, 26 and 20W versions in both Cool and Warm Color Temperatures. Pendant mount with hangstraight and 6", 12" and 18" stems included. Stems can be combined up to 36" max length.

Color: White

Weight: 7.1 lbs

# **Technical Specifications**

## Listings

#### **UL Listing:**

Suitable for wet locations.

## IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

#### **LED Characteristics**

#### Lifespan:

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

## **Color Consistency:**

7-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 CCT over a 5 year period.

## **Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Color Temperature (Nominal CCT): 5000K

**Color Accuracy:** 

69 CRI

Construction

#### Mounting:

3 mounting stems included. 6", 12" and 18" can be combined to achieve a maximum length of 36". 42" of wire supplied. The pendants thread into a hangstraight, leveling the fixture. Pendant outside diameter is 3/4". Threads are 1/4". Circular canopy included.

#### Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. Designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

**Project:** 

**Driver Info** 

Type:

120V:

208V

240\/-

277V:

Input Watts:

Efficiency:

Prepared By:

# Housing:

Precision die cast aluminum housing and lens framing.

# 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.

# Cold Weather Starting:

The minimum starting temperature is -40°C/-40°F

#### **Maximum Ambient Temperature:**

Suitable for use in 40°C (104°F) ambient temperatures

# Electrical

## Driver:

Multi-chip 2x13W high output long life LED Driver Constant Current, Class 2 100V - 277V, 50/60 Hz.

## Surge Protection:

4kV

# Optical

# Lumen Maintenance:

The LED will deliver 70% of its initial lumens at 100,000 hours of operation.

#### Fixture Efficacy:

68 Lumens per Watt

**BUG Rating:** 

B1 U1 G0

Constant Current

0.26A

0.17A

0.14A

0.16A

30W

86%

# Other Patents:

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The design of the PLED is protected by U.S. Pat. D608,040, D615,689 and patents pending in Canada, China and Taiwan.

Type:

Date:

LED Info

Color Temp:

Color Accuracy:

L70 Lifespan:

Lumens:

Efficacy:

Watts:

## 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.

## Equivalency:

The PLED2X13 is Equivalent in delivered lumens to a 42W CFL or 70W Metal Halide Pendant.

#### **HID Replacement Range:**

The PLED2X13 can be used to replace 70-100W Metal Halide Pendants based on delivered lumens.

#### 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.



# **Technical Specifications (continued)**

# Other

## 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.

# Features

Die cast aluminum lens frame with tempered glass and double gasketing

Fully Shielded, Full Cutoff Optics

LED Light Engine life delivers 70% of rated lumens at 100,000 hours

5-year warranty

