

# PLED2X20W/PC



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 hang-straight and 6", 12" and 18" stems included. Stems can be combined up to 36" max length.

Color: White

Weight: 12.7 lbs

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

<b>Driver Info</b>		<b>LED Info</b>	
Type:	Constant Current	Watts:	40W
120V:	0.38A	Color Temp:	5000K
208V:	N/A	Color Accuracy:	69 CRI
240V:	N/A	L70 Lifespan:	100000
277V:	N/A	Lumens:	2,764
Input Watts:	43W	Efficacy:	65 LPW
Efficiency:	94%		

**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.

**Electrical**

**Photocell:**

120V Photocell Included. Photocell is only compatible with 120V.

**Driver:**

Two Multi-chip 2x10W high output long life LED Driver Constant Current, Class 2

**THD:**

6.5% at 120V

**Driver:**

Automatic Voltage Sensing Driver for 120-277 volts.

**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 warranted 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 Accuracy:**

69 CRI

**Color Temperature (Nominal CCT):**

5000K

**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 hang-straight, 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.

**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

**Optical**

**Lumen Maintenance:**

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

**Fixture Efficacy:**

64 Lumens per Watt

**BUG Rating:**

B1 U1 G0

**Other**

**Patents:**

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

**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 PLED2X20 is Equivalent in delivered lumens to a 100W Metal Halide Pendant.

**HID Replacement Range:**

The PLED2X20 can be used to replace 100-150W Metal Halide Pendants based on delivered lumens.

**Technical Specifications (continued)**

**Other**

**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).

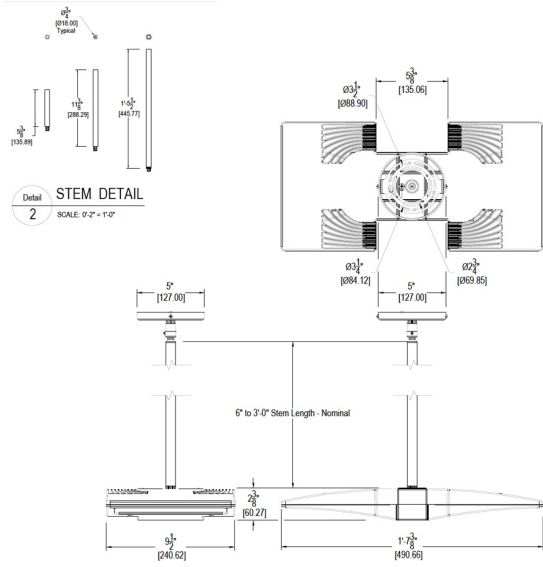
**Trade Agreements Act Compliant:**

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.

**Dimensions**



**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