PLED2X20N

RAB LIGHTING

<table>
<tr><td>**Project:**</td><td>**Type:**</td></tr>
<tr><td>**Prepared By:**</td><td>**Date:**</td></tr>
</table>

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: Bronze   Weight: 12.7 lbs

Driver Info

Type:	Constant Current
120V:	0.38A
208V:	0.23A
240V:	0.2A
277V:	0.17A
Input Watts:	44W
Efficiency:	91%

LED Info

Watts:	40W
Color Temp:	4000K
Color Accuracy:	N/A
L70 Lifespan:	100000
Lumens:	2,194
Efficacy:	50 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations.

LED Characteristics

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

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.

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

Electrical

Driver:

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

THD:

7.7% at 120V

Optical

Lumen Maintenance:

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

BUG Rating:

B1 U0 G0

BUG Rating:

B1 U0 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.

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).
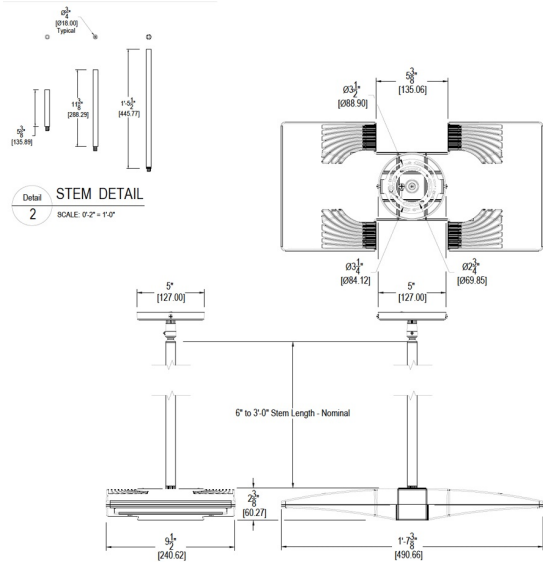
Trade Agreements Act Compliant:

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.

Need help? Tech help line: **(888) RAB-1000** Email: **sales@rabweb.com** Website: **www.rabweb.com**

Page 2 of 3

PLED2X20N

Dimensions

STEM DETAIL
SCALE: 0'-2" = 1'-0"

6" to 3'-0" Stem Length - Nominal

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