# PLED52W/D10



LED pendant mounted fixture with precision optics for smooth and uniform distribution. Ideal for retail settings, workspace lighting and other applications requiring a high output commercial grade downlight.

Color: White

Weight: 18.0 lbs

# **Technical Specifications**

#### Electrical

#### **Dimming Driver:**

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

# Drivers:

2x26W Driver, Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kv Surge Protection, 720mA, 100-277VAC 0.4 Amps., Power Factor 99%.

#### Listings

UL Listing:

Suitable for wet locations.

# Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

# 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.

# **LED Characteristics**

#### Lifespan:

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

# LEDs:

4x13W high-output, long-life LEDs.

#### **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.

# Construction

**Cold Weather Starting:** 

Minimum starting temperature is -40°F/-40°C.

#### **Thermal Management:**

Optimized using computational fluid dynamics software to ensure long LED and driver lifespan.

# Housing:

Precision die-cast aluminum housing and lens frame.

#### Lens:

Clear tempered glass lens.

#### Gaskets:

High-temperature silicone

### 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.

#### Other

# California Title 24:

PLED52/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.

Project	:	Туре:		
Prepar	ed By:	Date:		
Driver In	fo	LED Info		
Type: 120V:	Constant Current 0.53A	Watts: Color Temp:	52W 5000K	

208V:	0.35A	Color Accuracy:	63 CRI
240V:	0.30A	L70 Lifespan:	100000
277V:	0.26A	Lumens:	4,512
Input Watts:	58W	Efficacy:	77 LPW
Efficiency:	89%		

#### Patents:

The design of PLED52 is protected by patents pending in US, Canada, China, Taiwan and Mexico.

#### **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:

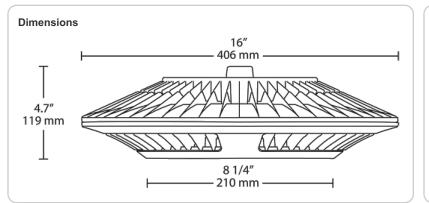
Suitable in accordance with FAR Subpart 25.4. **Optical** 

# BUG Rating:

B2 U1 G1

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# Features

Precision optics deliver uniform light distribution

100,000-hour LED lifespan

5-year warranty