



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: Bronze

Weight: 18.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
 120V: 0.78A
 208V: 0.51A
 240V: 0.45A
 277V: 0.39A
 Input Watts: 89W
 Efficiency: 87%

LED Info

Watts: 78W
 Color Temp: 5000K
 Color Accuracy: 65 CRI
 L70 Lifespan: 100000
 Lumens: 7,635
 Efficacy: 85 LPW

Technical Specifications

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:

6x13W 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 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 C78.377-2015.

Electrical

Drivers:

3x26W Driver, Constant Current, Class 2, 100V-277V, 50/60 Hz, 6kv Surge Protection, 720mA, 100-277VAC 0.4 Amps., Power Factor 99.1%.

THD:

13.3% at 120V

Construction

Cold Weather Starting:

Minimum starting temperature is -40° F (-40° C)

Ambient Temperature:

Suitable for use in 35°C (95°F) ambient temperatures.

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:

Formulated for high-durability and long lasting color.

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:

See PLED78/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.

Patents:

The design of PLED78 is protected by patents pending in US, Canada, China, Taiwan and Mexico.

Optical

BUG Rating:

B2 U1 G1

PLED78

Dimensions



Features

- Precision optics deliver uniform light distribution
- 100,000-hour LED lifespan
- 5-year warranty