PLED78YW/480/D10

RAB LIGHTING

Project:		Type:	
Prepared By:		**Date:**	

Driver Info

Type:	Constant Current
120V:	N/A
208V:	N/A
240V:	N/A
277V:	N/A
Input Watts:	89W
Efficiency:	87%

LED Info

Watts:	78W
Color Temp:	3000K (Warm)
Color Accuracy:	82 CRI
L70 Lifespan:	100,000
Lumens:	6,235
Efficacy:	70 LPW

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

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:

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.

Green Technology:

Mercury and UV Free, and RoHS compliant.

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%.

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:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

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.

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.

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.

PLED78 with Dimmable Driver:

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 5%.
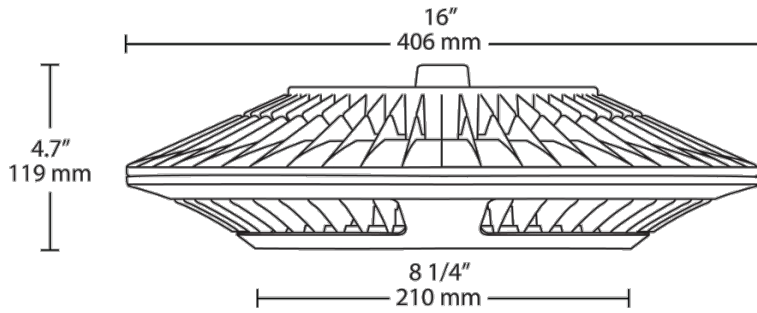
Optical

BUG Rating:

B2 U1 G1

PLED78YW/480/D10

Dimensions

16″
406 mm

4.7″
119 mm

8 1/4″
210 mm

Features

Precision optics deliver uniform light distribution

100,000-hour LED lifespan

5-year warranty