

# BOA4P-20D10-40N-W



Upscale design, high-end performance, undeniable value. BOA is designed with proprietary optics that deliver maximum lumens and conceal the LED light sources behind the lens to create a pleasing dimensional illuminance with soft blended beam edges. Mounting hardware included.

Color: White

Weight: 11.7 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

## Driver Info

|              |                  |
|--------------|------------------|
| Type:        | Constant Current |
| 120V:        | 0.16A            |
| 208V:        | 0.12A            |
| 240V:        | 0.11A            |
| 277V:        | 0.10A            |
| Input Watts: | 17W              |
| Efficiency:  | N/A              |

## LED Info

|                 |        |
|-----------------|--------|
| Watts:          | 20W    |
| Color Temp:     | 4000K  |
| Color Accuracy: | 83 CRI |
| L70 Lifespan:   | 100000 |
| Lumens:         | 1,559  |
| Efficacy:       | 91 LPW |

## Technical Specifications

### Listings

#### UL Listing:

Suitable for damp locations. Recommended for indoor use only.

#### 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.

### Electrical

#### Drivers:

120 - 277V, 0 - 10V dimming down to 10%, 93.7% power factor, 1 kV surge protection

#### Electrical Connection:

Includes 5 conductor 300V rated 12' long electrical cable

#### Dimming Driver:

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

### Optical

#### Reflector:

40° reflector

#### Aperture:

2.5"

### Construction

#### Housing:

Precision extruded aluminum

#### Lens:

High-transmission, microprismatic acrylic lens for smooth light distribution and uniformity

#### 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.

#### Mounting:

12' of aircraft cable provided with cable grippers for easy adjustment after installation

### LED Characteristics

#### LEDs:

Discreet LEDs on PCB board

#### 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.

### Other

#### 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.

#### California Title 24:

BOA 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.

#### Country of Origin:

Designed by RAB in New Jersey and assembled in California.

#### 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).

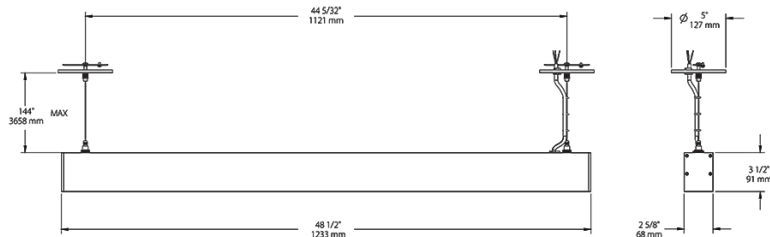
#### Trade Agreements Act Compliant:

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

All mounting hardware included:

12 foot aircraft cables, ceiling canopies and height adjusting cable grippers.

3-step binning for color consistency

0-10V dimming standard

100,000-Hour LED lifespan

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## Ordering Matrix

| Family | Length   | Mount       | Watts                | Dimming        | Reflector          | Color Temp   | Finish                               | Battery Backup        |
|--------|----------|-------------|----------------------|----------------|--------------------|--|--------------------------------------|-----------------------|
| BOA    |          |             |                      |                |                    |  |                                      |                       |
|        | 4 = 4 ft | P = Pendant | 20 = 20W<br>40 = 40W | D10 = Dimmable | 40 = 40° Reflector | Y = 3000K (Warm)<br>YN = 3500K (Warm Neutral)<br>N = 4000K (Neutral) | B = Black<br>W = White<br>S = Silver | /E2 = 120-277V Backup |