## BOA12S-120D10-40YN-B





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.

Color: Black Weight: 41.0 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info		
Type:	Constant Current	Watts:	120W	
120V:	0.86A	Color Temp:	3500K	
208V:	0.46A	Color Accuracy:	82 CRI	
240V:	0.42A	L70 Lifespan:	100000	
277V:	0.4A	Lumens:	8,231	
Input Watts:	103W	Efficacy:	80 LPW	
Efficiency:	N/A			

## **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

## **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:

For direct ceiling and wall mounting

## **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.

### Special Order:

Available in 6-8 weeks by special request.

#### California Title 24:

BOA complias 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:**

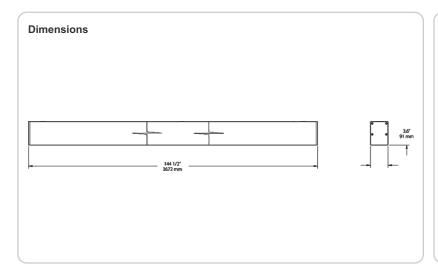
This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act

## **GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

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## **Features**

- Offers a clean flush mount directly to a ceiling or a wall
- 3-step binning for color consistency
- 0-10V dimming standard
- 100,000-Hour LED lifespan

Ordering Matrix									
Family	Length	Mount	Watts	Dimming	Reflector	Color Temp	Finish		
ВОА									
	<b>12</b> = 12 ft	S = Surface	<b>60</b> = 60W <b>120</b> = 120W	D10 = Dimmable	<b>40</b> = 40° Reflector	Y = 3000K (Warm) YN = 3500K (Warm Neutral) N = 4000K (Neutral)	B = Black W = White S = Silver		