# BOA2S-10D10-40Y-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.

Color: White

Weight: 7.1 lbs

# **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.

### 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:**

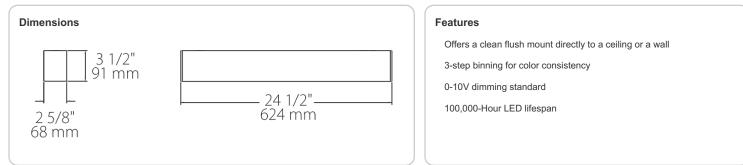
Suitable in accordance with FAR Subpart 25.4.



**Project:** Type: Prepared By: Date: **Driver Info** LED Info Constant Current Watts: 10W Type: 120V: 0.08A Color Temp: 3000K 208V: 0.06A Color Accuracy: 86 CRI 240\/-0.05A 100000 L70 Lifespan: 277V: 0.05A Lumens: 700 Input Watts: 10W Efficacy: 73 LPW Efficiency: N/A

# BOA2S-10D10-40Y-W





Ordering Matrix							
Family	Length	Mount	Watts	Dimming	Reflector	Color Temp	Finish
BOA							
	<b>2</b> = 2 ft	S = Surface	<b>10</b> = 10W	D10 = Dimmable	40 = 40° Reflector	<b>Y</b> = 3000K (Warm)	B = Blac
			<b>20</b> = 20W			YN = 3500K (Warm Neutral)	W = Whi
						N = 4000K (Neutral)	S = Silve