BOA8S-40D10-40N-S

RAB
LIGHTING

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

Driver Info

Type:	Constant Current
120V:	0.28A
208V:	0.15A
240V:	0.14A
277V:	0.13A
Input Watts:	34W
Efficiency:	N/A

LED Info

Watts:	40W
Color Temp:	4000K
Color Accuracy:	84 CRI
L70 Lifespan:	100000
Lumens:	3,118
Efficacy:	91 LPW

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: Silver   Weight: 30.8 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.
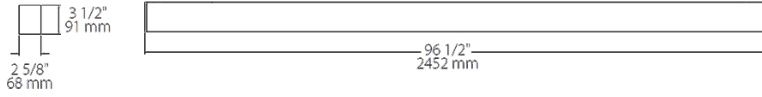
GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

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RAB LIGHTING

Dimensions

3 1/2"
91 mm

2 5/8"
68 mm

96 1/2"
2452 mm

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
BOA							
	8 = 8 ft	**S** = Surface	**40** = 40W	**D10** = Dimmable	**40** = 40° Reflector	**Y** = 3000K (Warm)	**B** = Black
			80 = 80W			**YN** = 3500K (Warm Neutral)	**W** = White
						N = 4000K (Neutral)	**S** = Silver