

BOA CIRCLE

LINEAR LED LIGHT

Architectural Curve | 3" Aperture | Multiple Mounting

The BOA CIRCLE is part of the BOA series architectural curved LED lighting solution designed to bring creativity and flexibility to modern lighting applications. Featuring a sleek 3" aperture, this system offers unlimited design freedom with customizable radii to create unique lighting layouts. Designed for versatility, it supports both surface and suspended mounting options, allowing for seamless integration into any space. Applications: Art Galleries | Office | Retail Stores | Hospitality.

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				



DYNAMIC MENU

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[Install Instruction link](#)

SPECIFICATIONS

Input Voltage	120-277V
Power Factor	>0.9
Total Harmonic Distortion	<20%
Dimming Page 5	0-10V dimming
CRI	85 CRI
CCT	30K 35K 40K
Efficacy	~840 lm/ft 76 LPW
Power	~11 W/ft
Operating Temperature	-20°C to 45°C
Mounting Options	Surface Suspended
Fixture Finish	Black White Custom
Unlimited Design Flexibility	Custom length Custom radius
Optics	Prismatic
Distribution	110°



PRODUCT FEATURES



Custom Designs



Custom Color

PRODUCT CERTIFICATIONS



SYSTEM WARRANTY – 5 YEARS

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE – L90 at 72,000 hours

Rated for 90% initial lumen output at 72,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

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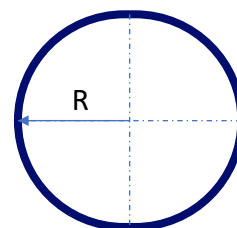


ORDERING GUIDE - DESIGNS

BOA-NR				
BOA-NR ERALUX BOA Architectural Fixture 3" Aperture 120-277V input voltage	-30 3000K -35 3500K -40 4000K	C(_) Circle C(R) Specify the dimensions for radius (ft)	-WH White -BK Black -RALXXX Custom Color	-SMT Surface Mount -AIR Suspended

Fixture Family	CCT	Design	Finish	Mounting
CAUTION	- If there are multiple fixtures connected to the same 0-10V dimming line, a 0-10V controller must be considered to enable consistent dimming across the fixtures. Failure to do so will lead to inconsistent dimming and behaviors in the fixtures. Single switch is not recommended for controlling multiple fixtures simultaneously. - Maximum of 700W per electrical drop.			

Custom Color Guide

Circle
C(R)Specify the dimension for the
radius (R) in feet

Custom Color

ORDERING EXAMPLES

Design	Description
	Circle C(R) Ordering part number C(1.5) R represents the radius of the circle (ft) 1.5ft = 18 in
NOTES	- Maximum of 700W per electrical drop - Minimum radius is 1ft - The radius "R" is measured from the center of the arc to the center of the fixture - All accessories are included in the ordering code; mechanical/electrical links, power cords, 6ft power cord, surface mount screw (-SMT), canopies and 6ft suspended cable (-AIR)

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LUMEN ESTIMATE

Straight length		
Length (FT)	Power (W)	Lumens (lm)
3	33	2520
4	44	3360
5	55	4200
6	66	5040
7	77	5880
8	88	6720

	Black finish	White finish
LPW	76.28	89.5
Lm/FT	840	969
W/FT	11	11

Arc				
Angle	Radius	Length (FT)	Power (W)	Lumen (lm)
45	1	0.8	8.8	672
	1.5	1.2	13.2	1008
	2	1.5	16.5	1260
	3	2.3	25.3	1932
	4	3	33	2520
90	1	1.6	17.6	1344
	1.5	2.3	25.3	1932
	2	3	33	2520
	3	4.7	51.7	3948
	4	6.3	69.3	5292
180	1	3	33	2520
	1.5	4.7	51.7	3948
	2	6.3	69.3	5292
	3	9.5	104.5	7980
	4	12.5	137.5	10500

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ACCESSORIES

All accessories required for the design are included with the ordering code

SUSPENSION

DESCRIPTION

PICTURE

Power feed canopy (2-holes)
6FT suspension wires

Non power feed Canopy (1-hole)
6FT suspension wire



Note:

For BOA, each section includes 3 suspension points. Located 4" from each end and at the center

SURFACE MOUNT

DESCRIPTION

PICTURE

Long screws for surface mount

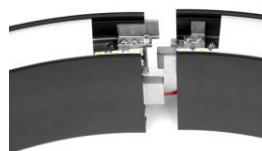


Links

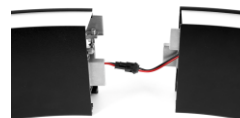
DESCRIPTION

PICTURE

Mechanical link



Electrical link



Below accessory is order separately if needed

SUSPENSION

PART NUMBER

DESCRIPTION

PICTURE

BOA-NR-CANOPY-9IN-KIT-BK
BOA-NR-CANOPY-9IN-KIT-WH

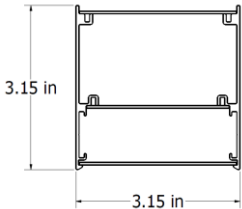
Central Canopy Kit
9-inch Diameter & 0.6-inch height
Comes with 4 6ft aircraft cables
Recommended for circles with radius 1, 1.5 or 2ft
Driver could be installed inside it



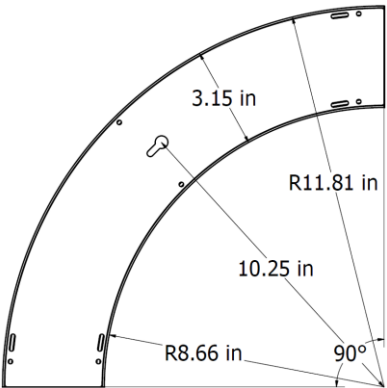
DIMENSIONS

FIXTURE

Cross Section



Arc A(0.86FT)
Minimum Arc radius is 10.25-inches



LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

LUMEN ESTIMATE ADJUSTMENT FACTORS			
CCT	3000K	4000K	5000K
PREMIUM (90CRI)	0.94	1	1.03

PHOTOMETRIC DATA

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
BOA-NR-40-L(1)		Zone	Lumens	% Fixture	Direct / Indirect Light	Center Beam Fc		Beam Width	
Wattage	10W	0-20°	109.73	13.1		1.7ft	104 fc	4.9 ft	4.7 ft
CCT	4000K	0-30°	231.7	27.6		3.3ft	27.7 fc	9.4 ft	9.1 ft
Distribution	110°	0-40°	377.06	44.9		5.0ft	12.1 fc	14.3 ft	13.7 ft
Length	1ft	0-60°	658.76	78.4		6.7ft	6.72 fc	19.2 ft	18.4 ft
		0-80°	817.27	97.2		8.3ft	4.38 fc	23.7 ft	22.8 ft
		0-90°	833.77	99.2		10.0ft	3.02 fc	28.6 ft	27.5 ft
						■ Vert. Spread: 110.0° ■ Horiz. Spread: 107.9°			

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OVERVIEW

**Innovative Design**

- Extruded aluminum housing for better heat dissipation.
- Highly durable polycarbonate and high transmittance lens.

**Multiple Options**

- Custom Designs
- Three CCT; 30, 35, 40K
- Black, white & custom finishes

Emergency
backup battery**Mountings Available**

- Suspended.
- Surface mount

**Custom Design**

- Continuous lens
- Rectangle with curved corners
- Oval
- Cricle
- Arc
- Free design
- 3-way, or 4-way intersections (contact factory for more information)

For more information refer to BOA spec sheet

**Tests And Certifications**

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Free Design Sketch

Specify the lengths, radii, and angles dimension

A large grid area for free design sketching, divided into two equal halves by a vertical line. The grid consists of 20 columns and 40 rows of squares, providing a space for technical drawing and dimension specification.