

BOA

LINEAR LED LIGHT

Architectural Curve | 3" Aperture | Multiple Mounting

The BOA series is ERALUX'S newest 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 curves, arcs, and continuous runs 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				

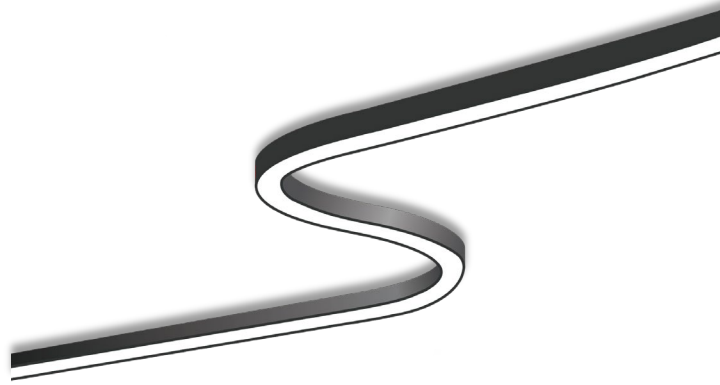
DYNAMIC MENU

Order Information	Page 2
Accessories	Page 7
Dimensions	Page 8
Photometric data	Page 8

[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	<div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; background-color: yellow; display: flex; align-items: center; justify-content: center;">30K</div> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; background-color: lightblue; display: flex; align-items: center; justify-content: center;">35K</div> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; background-color: lightgreen; display: flex; align-items: center; justify-content: center;">40K</div> </div>
Efficacy	~840 lm/ft 76 LPW
Power	~11 W/ft
Operating Temperature	-20°C to 45°C
Mounting Options	<div style="display: flex; align-items: center;"> Surface Suspended </div>
Fixture Finish	Black White Custom
Unlimited Design Flexibility	Custom length Custom Curve and Arc shapes Continuous runs Intersections
Optics	Prismatic
Distribution	<div style="border: 2px solid blue; padding: 5px; width: 50px; margin: 0 auto;">110°</div>



PRODUCT FEATURES



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	-30	R(, ,)	-WH	-SMT
ERALUX BOA	3000K	Rectangle R(S1, S2, R)	White	Surface Mount
Architectural Fixture	-35	Specify the dimensions for side 1 (ft), side 2 (ft), and radius (ft)	-BK	-AIR
	3500K		Black	Suspended
3" Aperture	-40	O(,)	-RALXXX	
	4000K	Oval O(S, R)	Custom Color	
120-277V input voltage		Specify the dimensions for side 1 (ft) and radius (ft)		
		C()		
		Circle C(R)		
		Specify the dimensions for radius (ft)		
		A(,)		
		Arc A(R,A)		
		Specify the dimensions for radius (ft) and angle in degrees		
		L()		
		Straight linear run L(X)		
		Specify the total length in ft		
		F()		
		Free design F(X)		
		Specify the total length (X) in ft		
		Or refer to the last page for sketching		

Fixture Family	CCT	Design	Finish	Mounting
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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

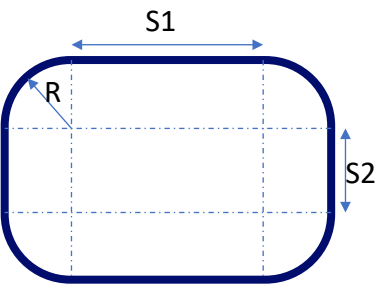
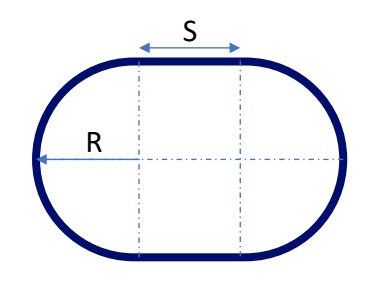
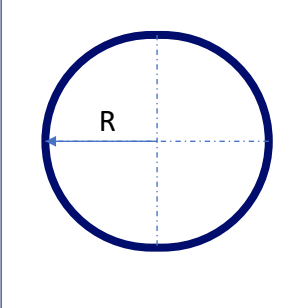
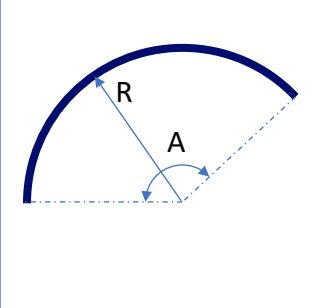
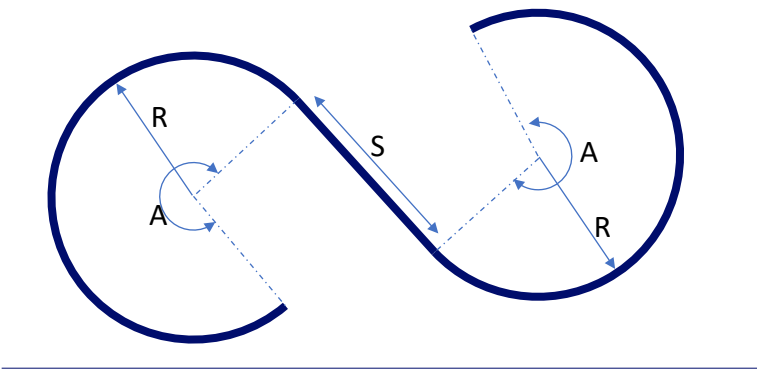
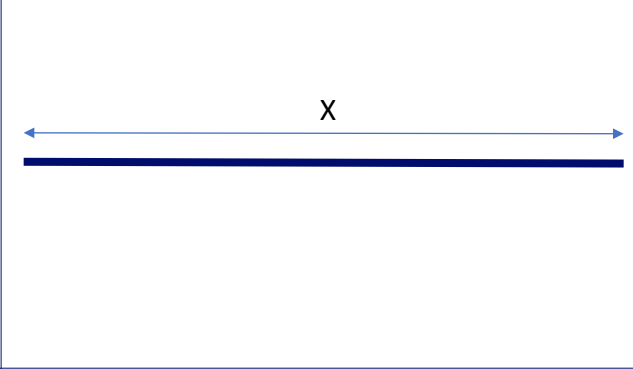


Custom Color

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ORDERING GUIDE - DESIGNS

Rectangle R(S1, S2, R)	Oval O(S1, R)	Circle C(R)	Arc A(R,A)
			
<p>Specify the dimensions for side 1 (S1), side 2 (S2), and radius (R) in feet For square shape S1=S2</p>	<p>Specify the dimensions for side (S), and radius (R) in feet</p>	<p>Specify the dimension for the radius (R) in feet</p>	<p>Specify the dimensions the radius (R) in feet, and angle (A) in degrees</p>
Free Design (Example) F(X)		Straight Linear Run L(X)	
			
<p>For free design refer to last page for sketching and specify all dimensions (lengths, radii, and angles)</p>		<p>Specify the total linear length (X)</p>	

NOTES

- For more complex designs, use "free design" or contact factory
- 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)
- 3-way or 4-way intersection are available depending on design

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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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ORDERING EXAMPLES

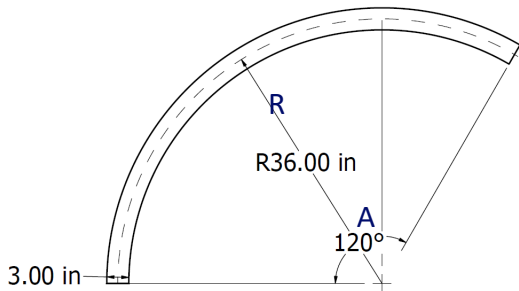
Design	Description
	<p>Rectangle R(S1, S2, R)</p> <p>Ordering part number R(6, 2, 1.5)</p> <p>S1 represents the linear length (ft) on the longer side 6ft = 72 in S2 represents the linear length (ft) on the shorter side 2ft = 24 in For the arc corners, the angle is 90° and R represents the radius (ft) 1.5ft = 18 in</p>
	<p>Oval O(S, R)</p> <p>Ordering part number O(4, 2)</p> <p>S represents the linear length (ft) on the longer side 4ft = 48 in For the arc sides, the angle is 180° and R represents the radius (ft) 2ft = 24 in</p>
	<p>Circle C(R)</p> <p>Ordering part number C(1.5)</p> <p>R represents the radius of the circle (ft) 1.5ft = 18 in</p>

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ORDERING EXAMPLES

Design



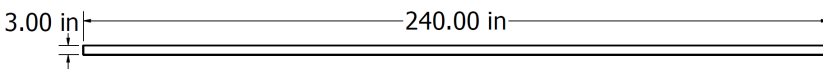
Description

Arc A(R, A)

Ordering part number A(3, 120)
 The Arce is defined by radius "R" in feet and angle "A" in degrees
 Radius "R"; 3ft = 36 in
 Angle "A"; 120°

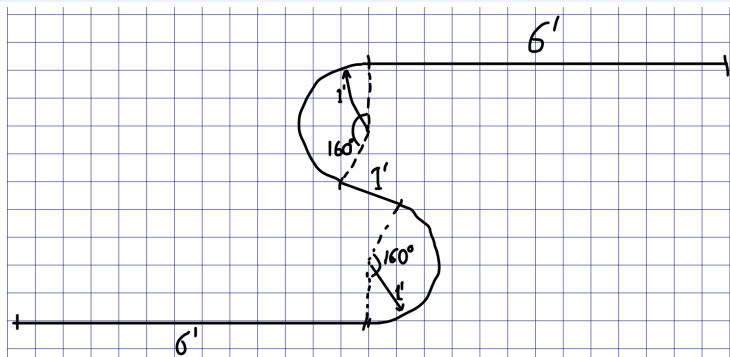
Straight linear run L(X)

Ordering part number L(20)
 X represents the total linear length in feet; 20ft = 240 in



Free design F(X)

Sketching



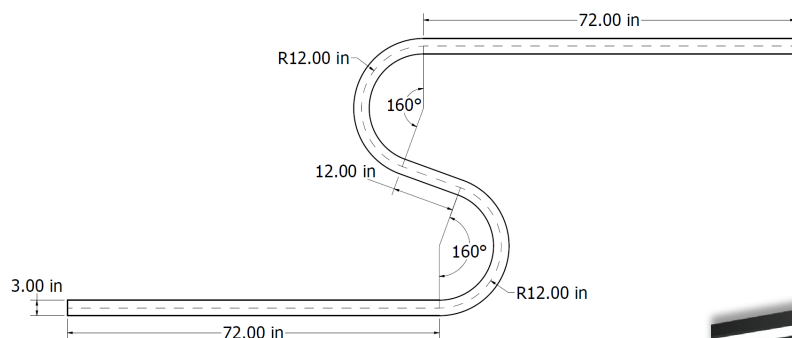
Ordering

Ordering part number F(17.585)
 X represents the total length in feet; 17.585ft

2x 6ft straight linear
 2x Arcs; 1ft radius and 160° angle
 1x 1ft straight linear connecting the two arcs

Drawings

Picture



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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



SURFACE MOUNT

DESCRIPTION

PICTURE

Long screws for surface mount

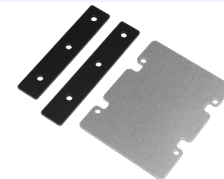
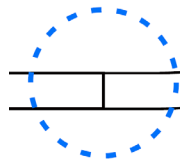


Links

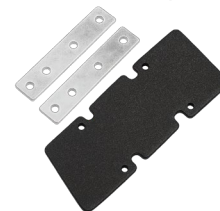
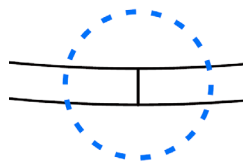
DESCRIPTION

PICTURE

Steel connector for straight-to-straight link



Aluminum connector for curve-to-curve link



Electrical link



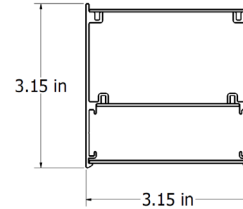
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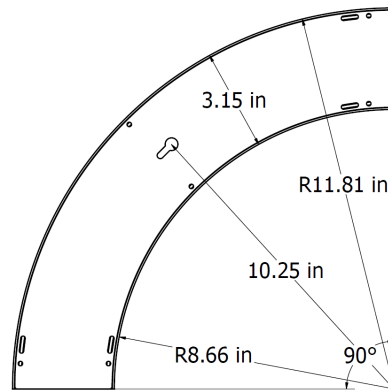
DIMENSIONS

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

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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)



Tests And Certifications



LINER LED LIGHT

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Free Design Sketch

Specify the lengths, radii, and angles dimension

