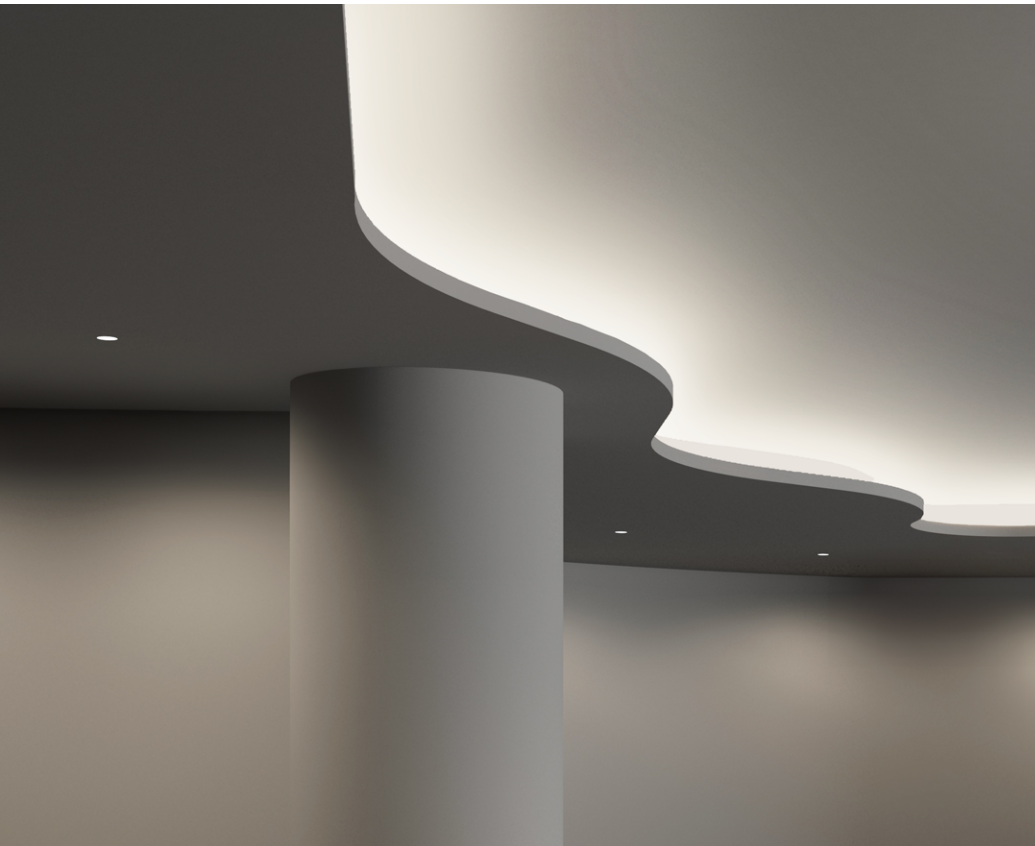


# EVOQ FIELD-CURVABLE

COVE LIGHTING



## PLUG & PLAY DESIGN



Plug & Play

## 2 ASYMMETRIC OPTICS



Asymmetric Narrow Optic



Asymmetric Wide Optic

## ENDLESS CONFIGURATIONS



Linear Run



Pattern Straight Corners



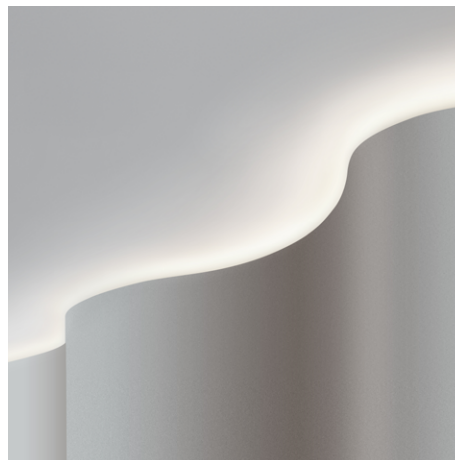
Pattern Curved Corners

## MOUNTING OPTIONS



Field-Curvable Ramps

## The Evoq Field-Curvable System



1 Specify your Fixture

2 Define your Configuration

3 Select your Mounting

# EVOQ FIELD-CURVABLE

## COVE LIGHTING



Project: \_\_\_\_\_  
Type: \_\_\_\_\_

### Order Guide

A drawing of your pattern is required - anything from a line drawing to an architectural drawing.

The product code will be split into two separate lines for ordering/client drawing purposes. One line will be for the fixture, and one line for the mounting, if required.

1

LUMINAIRE ID	OPTIC	LIGHT SOURCE <sup>1</sup>	CRI	LUMEN PACKAGE	COLOR TEMPERATURE
<b>EVOQLIN</b> - Evoq Linear <b>EVOQPAT</b> - Evoq Pattern with straight corners	<b>ANO</b> - Asymmetric Narrow Optic <b>AWO</b> - Asymmetric Wide Optic	<b>SW</b> - Static white <b>FS</b> - Full spectrum	<b>80CRI</b> <sup>3</sup> - 80+ CRI <b>90CRI</b> <sup>3</sup> - 90+ CRI <b>95CRI</b> - 95+ CRI	<b>350LMF</b> - 350 lm/ft <b>500LMF</b> <sup>4</sup> - 500 lm/ft <b>750LMF</b> <sup>5</sup> - 750 lm/ft <b>1000LMF</b> <sup>6</sup> - 1000 lm/ft <b>1200LMF</b> <sup>6,7</sup> - 1200 lm/ft	<b>22K</b> <sup>8,9</sup> - 2200K <b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K <b>50K</b> - 5000K <b>65K</b> <sup>9</sup> - 6500K
<b>EVOQCURPAT</b> - Evoq Pattern with curved corners		<b>SOLA</b> <sup>2</sup> - Dim-to-warm single channel control <b>DUO</b> <sup>2</sup> - Tunable white 2-channel control	<sup>3</sup> Not available with full spectrum.	<sup>4</sup> Only available with 48" fixtures when specified with ELV/TRI. <sup>5</sup> Only available with 18" and 48" fixtures when specified with ELV/TRI. <sup>6</sup> Fixture will be very bright, not recommended for shallow coves. <sup>7</sup> Not available with full spectrum.	<sup>8</sup> Not available with full spectrum. <sup>9</sup> Not available with 95+ CRI when specified with static white.
		<sup>1</sup> Consult factory for solid colors, such as red, green and blue. <sup>2</sup> Not available with 12" fixtures.			<b>SOLA / DUO</b> <b>##K##K</b> - Specify the high and low CCT values (##)

VOLTAGE	DRIVER	ELECTRICAL	LEADER CABLE TYPE <sup>17</sup>
<b>120V</b> - 120V <b>277V</b> - 277V <b>UNV</b> - 120V-277V	<b>D1</b> - 1% 0-10V <b>ELV</b> <sup>10,11</sup> - ELV 120V <b>TRI</b> <sup>10,11</sup> - TRIAC 120V <b>LDE1</b> <sup>11,12,13</sup> - Lutron Hi-Lume 1% Eco	<b>DA</b> <sup>11,12</sup> - DALI <b>ELD1</b> <sup>11</sup> - eldoLED 1% ECOdrive 0-10V <b>ELDO</b> <sup>11</sup> - eldoLED 0.1% SOLOdrive 0-10V <b>+EMB</b> <sup>14,15</sup> - Emergency battery	<b>EVLC</b> - Evoq 10' leader cable <b>EVLC90</b> - Evoq 10' leader cable 90°
	<sup>10</sup> Available with 120V only. <sup>11</sup> Not available with 350 lm/ft. <sup>12</sup> On-site commissioning is required. <sup>13</sup> Not available with 12" fixtures.	<sup>14</sup> Available with 48" fixtures only. <sup>15</sup> Specify quantity (#) and add to the driver code, e.g. D1+EMB. Each battery powers a 48" fixture.	<sup>17</sup> See page 4 for details.
	<b>SOLA</b> <b>SD1</b> - Single 0-10V input	<b>DUO</b> <b>DMX</b> <sup>12,14</sup> - DMX <b>DDA</b> <sup>12</sup> - DALI DT6 <b>DDA8</b> <sup>12</sup> - DALI DT8 <b>DDI</b> - Dual 0-10V input for CCT/intensity <b>LD2</b> <sup>11,12</sup> - Lutron DALI-2 digital	

2

RAMP LUMINAIRE ID	CONFIGURATION AND LENGTH <sup>18,19,20</sup>	CORNER TYPE
<b>EVOQLINRMP</b> - Evoq Linear ramp <b>EVOQPATRMP</b> - Evoq Pattern with straight corners ramp	Linear <b>LIN#FT</b> - Linear, #FT	<b>LEVIC</b> <sup>25</sup> - Leveled inside corner <b>LEVOC</b> <sup>25</sup> - Leveled outside corner <b>NA</b> <sup>25</sup> - Not applicable
<b>EVOQCURPATRMP</b> - Evoq Pattern with curved corners ramp	Pattern with straight corners <b>SQR#FTX#FT</b> - Square, #FT X #FT <b>REC#FTX#FT</b> - Rectangle, #FT X #FT <b>LSH#FTX#FT</b> - L-shape, #FT X #FT <b>USH#FTX#FTX#FT</b> - U-shape, #FT X #FT X #FT <b>PAT#FTX#FT...</b> <sup>21</sup> - Pattern, specify length of each section (#FT) in feet	
<b>NA</b> - None	<sup>18</sup> A combination of 12", 18", and 48" plug and play fixtures may be used in order to optimize uniform surface illumination. <sup>19</sup> See pages 5 to 6 for details. <sup>20</sup> Length can also be specified in inches. <sup>21</sup> Separate each required section length with an "X".	<sup>22</sup> Specify the radius in inches (R##). The minimum wall radius is 18" for an inside corner, and 13" for an outside corner. <sup>23</sup> The minimum wall diameter is 53" for an inside corner, and 44" for an outside corner. <sup>24</sup> The minimum wall radius is 27" for an inside corner, and 22" for an outside corner.

3

MOUNTING <sup>26</sup>	MOUNTING FINISH
<b>Mud-in</b> <b>FC1</b> - Field-curvable corners with non-field-curvable straight sections with flat edge <b>FC2</b> - Field-curvable ramp with flat edge	<b>UNF</b> - Unfinished <b>W</b> - Matte white <b>CF#</b> - Custom finish, specify RAL# <b>NA</b> - Not applicable

<sup>26</sup> See pages 7 to 8 for details.

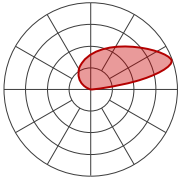


# EVOQ FIELD-CURVABLE COVE LIGHTING

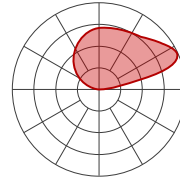


## 1 Fixture

### OPTICS

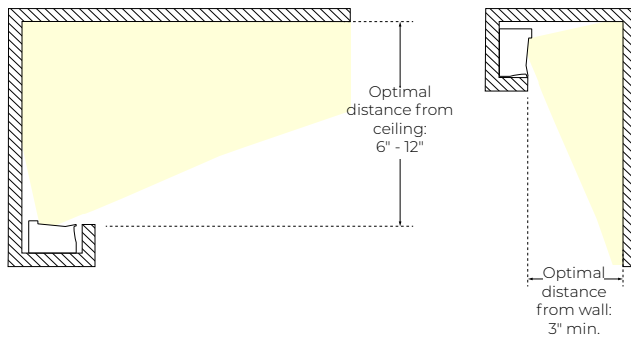


ANO

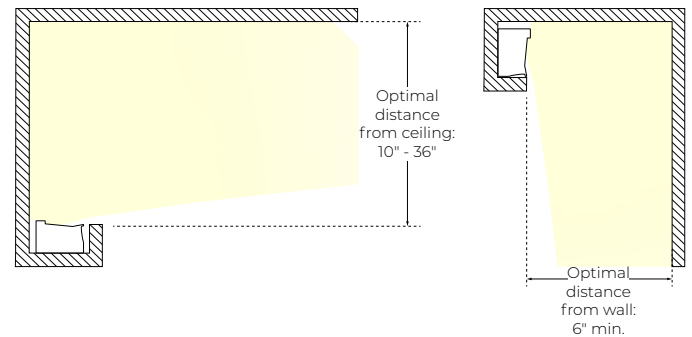


AWO

**ANO - Asymmetric Narrow Optic**



**AWO - Asymmetric Wide Optic**



### PHOTOMETRICS

Values calculated based on a 12" fixture at 3500K for all optics.

STATIC WHITE  
80+ CRI / 90+ CRI

LM/FT	W/FT	LM/W
350	3.4	103
500	5.6	89
750	7.7	97
1000	9.8	102
1200	11.5	104

STATIC WHITE  
95+ CRI

LM/FT	W/FT	LM/W
350	4.1	85
500	6.7	75
750	9.3	81
1000	11.8	85
1200	13.9	104

FULL SPECTRUM

LM/FT	W/FT	LM/W
350	5.1	69
500	8.3	60
750	11.5	65
1000	14.6	68
1200	17.2	70

SOLA/DUO

LM/FT	W/FT	LM/W
350	3.5	100
500	5.7	88
750	7.9	95
1000	10.1	99
1200	11.8	102

### MULTIPLIER TABLE

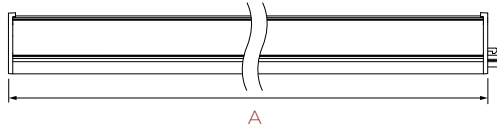
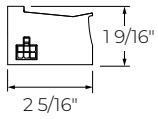
Use this table to get results for different color temperatures.

CCT	WATTS		
	80+ CRI/	90+ CRI/	95+ CRI
2200K			1.03
2700K			1.02
3000K			1.00
3500K			1.00
4000K			0.97
5000K			0.97
6500K			0.99

# EVOQ FIELD-CURVABLE COVE LIGHTING

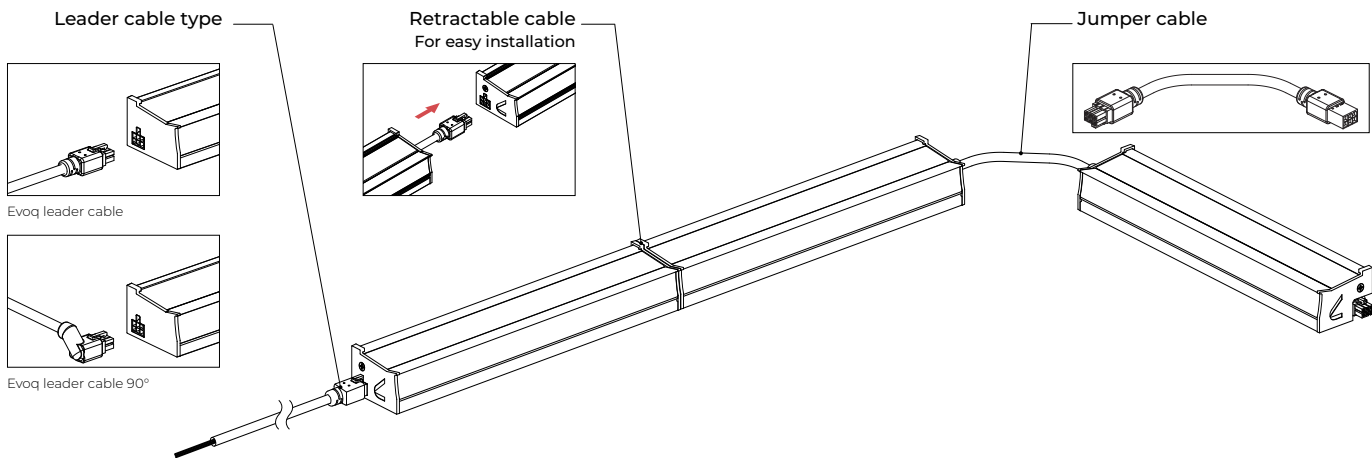


## FIXTURE DIMENSIONS



NOMINAL LENGTH	A TOTAL LENGTH
12 IN	12 1/4"
18 IN	18 1/4"
48 IN	48 1/4"

## OVERVIEW

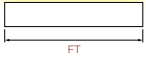


## Maximum run length per leader cable

	350 lm/ft		500 lm/ft		750 lm/ft		1000 lm/ft		1200 lm/ft	
	120V / UNV	277V	120V / UNV	277V	120V / UNV	277V	120V / UNV	277V	120V / UNV	277V
Static white - 80+ CRI/ 90+ CRI	200'	200'	120'	200'	90'	200'	70'	160'	60'	140'
Static white - 95+ CRI	170'	200'	100'	200'	70'	170'	60'	140'	50'	110'
Full spectrum	140'	200'	80'	200'	60'	140'	40'	110'	NA	NA
SOLA/DUO	200'	200'	120'	200'	90'	200'	70'	160'	60'	140'

## 2 Configuration

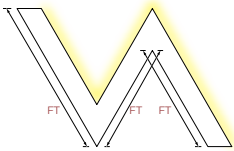
### LINEAR



**LIN#FT** - Linear, #FT

### PATTERN WITH STRAIGHT CORNERS

#### PATTERN



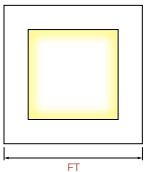
**PAT#FTX#FT**<sup>1,2</sup> -

Pattern, specify length of each section (#FT) in feet

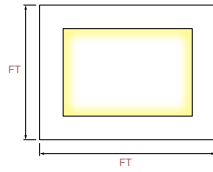
<sup>1</sup>A drawing of your pattern is required - anything from a line drawing to an architectural drawing.

<sup>2</sup>Length can also be specified in inches.

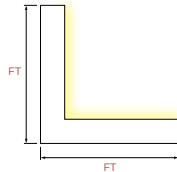
#### SHAPES WITH INSIDE CORNERS



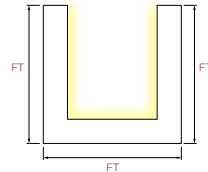
**SQR#FTX#FT** -  
Square, #FT X #FT



**REC#FTX#FT** -  
Rectangle, #FT X #FT

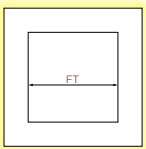


**LSH#FTX#FT** -  
L-shape, #FT X #FT

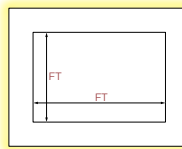


**USH#FTX#FTX#FT** -  
U-shape, #FT X #FT X #FT

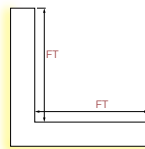
#### SHAPES WITH OUTSIDE CORNERS



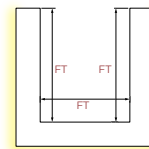
**SQR#FTX#FT** -  
Square, #FT X #FT



**REC#FTX#FT** -  
Rectangle, #FT X #FT



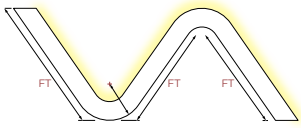
**LSH#FTX#FT** -  
L-shape, #FT X #FT



**USH#FTX#FTX#FT** -  
U-shape, #FT X #FT X #FT

### PATTERN WITH CURVED CORNERS

#### PATTERN



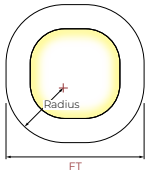
**CURPAT#FTX#FT<sup>1,2</sup>** -

Pattern, specify length of each section (#FT) in feet

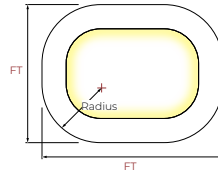
<sup>1</sup>A drawing of your pattern is required - anything from a line drawing to an architectural drawing.

<sup>2</sup>Length can also be specified in inches.

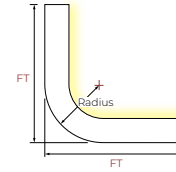
#### SHAPES WITH INSIDE CORNERS



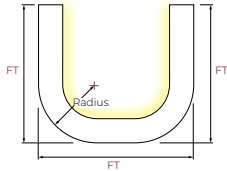
**C(R##)SQR#FTX#FT** -  
Curved square, #FT X #FT



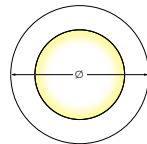
**C(R##)REC#FTX#FT** -  
Curved rectangle, #FT X #FT



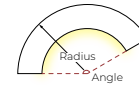
**C(R##)LSH#FTX#FT** -  
Curved L-shape, #FT X #FT



**C(R##)USH#FTX#FTX#FT** -  
Curved U-shape, #FT X #FT X #FT

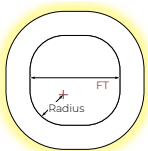


**CIR(D#IN)** - Circle, specify diameter in inches (D#IN)

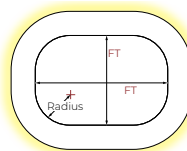


**ARC(R#INA##)** - Arc, specify radius in inches (R#IN) and angle (A##)

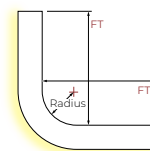
#### SHAPES WITH OUTSIDE CORNERS



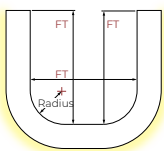
**C(R##)SQR#FTX#FT** -  
Curved square, #FT X #FT



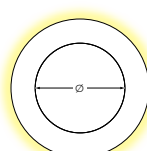
**C(R##)REC#FTX#FT** -  
Curved rectangle, #FT X #FT



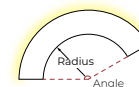
**C(R##)LSH#FTX#FT** -  
Curved L-shape, #FT X #FT



**C(R##)USH#FTX#FTX#FT** -  
Curved U-shape, #FT X #FT X #FT



**CIR(D#IN)** - Circle, specify diameter in inches (D#IN)



**ARC(R#INA##)** - Arc, specify radius in inches (R#IN) and angle (A##)

## 3 Mounting

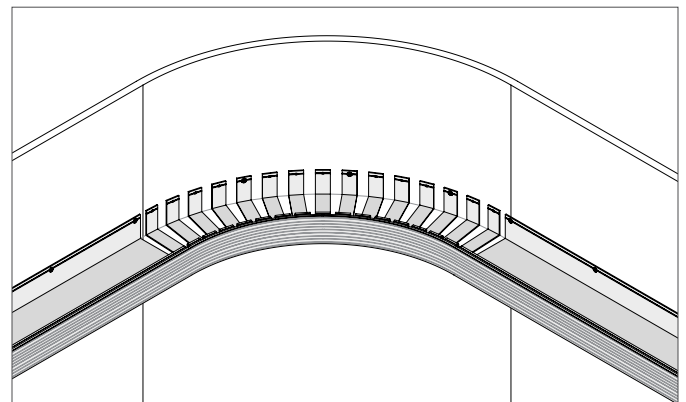
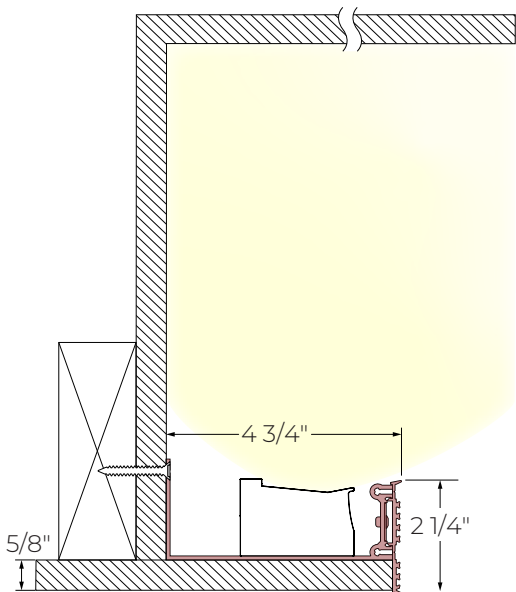
### Field-Curvable

#### 2 RAMP OPTIONS (MUD-IN)

The Field-Curvable ramps are adjustable on-site to match the curved or straight contours of the wall/ceiling structure. The FC1 ramp includes field-curveable corner sections and non-field-curveable straight sections. The FC2 ramp option comes in 6' sections and is fully field-curveable for curved or straight structures. Both options are field cuttable and require plastering and painting.



**FC1** - Field-curveable corners with non-field-curveable straight sections with flat edge



Linear Run



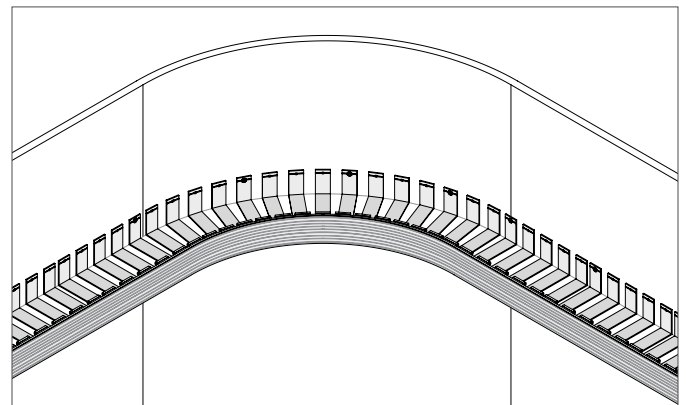
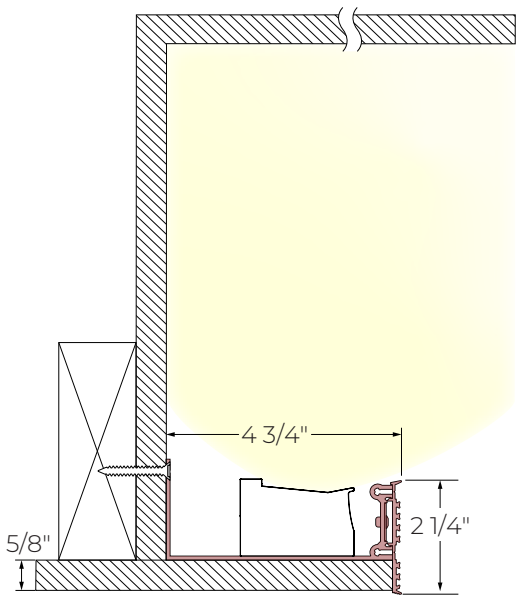
Pattern Straight Corners



Pattern Curved Corners

## Field-Curvable Mounting

**FC2** - Field-curvable ramp with flat edge



Linear Run



Pattern Straight Corners



Pattern Curved Corners



## Technical Specifications

### OPTICS

#### Asymmetric Narrow Optic (ANO)

The Asymmetric Narrow Optic (ANO) is designed specifically for shallow coves with optimal performance achieved with fixture placement at 6"-12" from the ceiling. Its precise projection of light along ceilings and walls is evenly distributed with a soft, homogeneous gradient effect. The ANO peak intensity angle from nadir is at 110°, making it a true asymmetric optic that directs the light where it is intended.

#### Asymmetric Wide Optic (AWO)

The Asymmetric Wide Optic (AWO) excels at maximizing light projection even farther to create a soft gradient illumination with remarkable uniformity in deeper coves. The AWO's optimal performance is achieved with fixture placement at 10"-36" from the ceiling. Its peak intensity angle from nadir is at 107°, creating a true asymmetric optic that aims light exactly where needed.

### LIGHT SOURCE

#### Static white

Custom linear array of mid-flux LEDs available in 2200K, 2700K, 3000K, 3500K, 4000K, 5000K, and 6500K with a minimum 80+ CRI and options for 90+ CRI and 95+ CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

#### Full spectrum

The full spectrum LED option offers improved color particularly in the cyan region which helps increase Cyanosis Observation Index (COI) and assist in regulating circadian rhythms. The cyan region in full spectrum LED is richer at the 480 nm range.

#### Chromawerx SOLA

Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. The color temperature range can be specified from the following options: 2200K, 2700K, 3000K, 3500K, 4000K, 5000K, and 6500K. A simple analog control adjusts a specially populated LED array to emulate the effect of dimming a filament source.

#### Chromawerx DUO

Chromawerx DUO offers a two-channel control system which uses analog or digital protocols for synchronous control of both cool to warm LED arrays - maintaining a CRI above 90. The color temperature range can be specified from the following options: 2200K, 2700K, 3000K, 3500K, 4000K, 5000K, and 6500K. The range of color DUO offers is useful for entraining circadian rhythms, stimulating alertness, and compensating for jet lag among other applications. The Chromawerx drivers are programmed to limit maximum light output and power usage across all color temperatures. When paired with DALI drivers (DDA/DDA8), color tuning follows a linear dimming curve.

### CONFIGURATION AND LENGTH

Evoq Field-Curvable System is available as a linear run, pattern with straight corners, or pattern with curved corners. Common shapes, such as square, rectangle, L-shape, U-shape, circles, and arcs are available with either inside corners or outside corners. Other patterns can also be specified.

### ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277 VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include ELV, TRIAC, Lutron Hi-Lume 1% Eco, DALI, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, DMX, and Lutron DALI-2 digital protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

#### Battery

Each emergency battery (#EMB) powers a 48" fixture. Specify the number of batteries (#) required.

Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours.

### MOUNTING

Evoq Field-Curvable System can be mounted with mud-in field-curveable ramps.

### FINISH

**Mud-in:** Unfinished, matte white, or custom finish

# EVOQ FIELD-CURVABLE

## COVE LIGHTING



### CONSTRUCTION

**Housing:** Extruded aluminum

**Ramp:** Extruded aluminum

**Lens:** Acrylic

### WEIGHT

**Fixture:**

**12":** 1.5 lbs - 0.68 kg

**18":** 2.1 lbs - 0.95 kg

**48":** 4.3 lbs - 1.95 kg

**Ramp:**

**FC1:** 0.7 lbs/ft - 0.30 kg/ft

**FC2:** 0.7 lbs/ft - 0.30 kg/ft

### CERTIFICATIONS

**ETL:** Rated for indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

**Declare:** [LBC Red List Approved](#)

### WARRANTY

Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.