

# CURVE 1.5

## DIRECT



### CERTIFICATIONS & COMPLIANCE

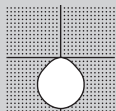


### FEATURES



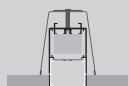
### PERFORMANCE

- Up to 106lm/W efficiency
- Max lumen output of 1000lm/ft
- CRI > 80 & CRI > 90
- Damp rated



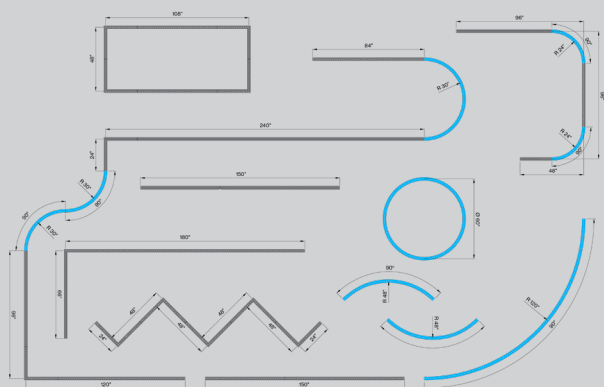
### MOUNTING

Recessed



### WHAT SHAPES YOU?

Combines with the BASO 1.5 system components



### Catalog Number Example

CURVE 1.5-RTL-WH-OP-35K-C90-UNV-010V-0500LF-SC-RA-60IN-A180



### A RANGE

CURVE 1.5 CURVE 1.5

### B MOUNTING

Recessed trimless RTL

### C COLOR

White WH  
Black BL  
Gray GR  
Custom color RAL XX  
recessed version available in white only

### D LENS

HP opal cover OP

### E CCT

3000K 30K  
3500K 35K  
4000K 40K  
Custom CCT XXK

### F CRI

CRI > 80 C80  
CRI > 90 C90

### Electrical attributes

### G VOLTAGE

120V / 277V UNV

### H DIMMING

0-10V 1% 010V  
Power over ethernet POEC  
consult customer service for compatibility

### I OUTPUT LM/FT

400lm/ft 100% 0400LF  
600lm/ft 100% 0600LF  
800lm/ft 100% 0800LF  
Custom lm/ft XXXXLF  
custom lumen up to 1000 lm/ft

### J CIRCUIT / EM

Single circuit SC  
EMC or EMP not available

### K RADIUS IN INCH

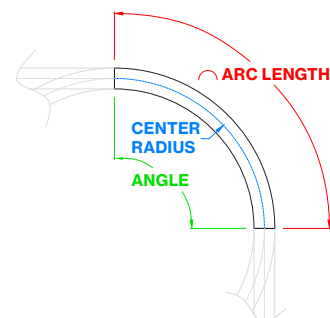
18" RA-18IN  
24" RA-24IN  
30" RA-30IN  
36" RA-36IN  
48" RA-48IN  
60" RA-60IN  
120" RA-120IN

for custom radii, please contact customer service

### L ANGLE

22.5° \* A22  
45° ≥ R36" only A45  
90° A90  
180° A180  
Custom angle AXXX

\* ≥ R120" only; for custom angles, please contact customer service



BASO  
basolighting.com

CS-V01 07/2025

Technical data

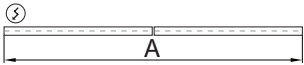
DIRECT

| 90°                                                                               | RADIUS<br>SIZE                             | ANGLE | ARC LEN<br>MECH | LEDs | ARC LEN<br>EL | LUMEN<br>OUTPUT<br>(LM/FT) | POWER<br>INPUT (W) | EFFICACY<br>(LM/W) | LUMEN<br>OUTPUT<br>(LM/FT) | POWER<br>INPUT (W) | EFFICACY<br>(LM/W) | LUMEN<br>OUTPUT<br>(LM/FT) | POWER<br>INPUT (W) | EFFICACY<br>(LM/W) |
|-----------------------------------------------------------------------------------|--------------------------------------------|-------|-----------------|------|---------------|----------------------------|--------------------|--------------------|----------------------------|--------------------|--------------------|----------------------------|--------------------|--------------------|
|                                                                                   |                                            |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |
|  | R 18"                                      | 90    | 2.4             | 80   | 2.5           | 400                        | 9.8                | 103                | 600                        | 14.8               | 102                | 800                        | 20.5               | 98                 |
|                                                                                   | R 24"                                      | 90    | 3.1             | 96   | 3             | 400                        | 11.7               |                    | 600                        | 17.7               |                    | 800                        | 24.6               |                    |
|                                                                                   | R 30"                                      | 90    | 3.9             | 128  | 4             | 400                        | 15.6               |                    | 600                        | 23.6               |                    | 800                        | 32.8               |                    |
|                                                                                   | R 36"                                      | 90    | 4.7             | 160  | 5             | 400                        | 19.5               |                    | 600                        | 29.5               |                    | 800                        | 41                 |                    |
|                                                                                   | R 48"                                      | 90    | 6.3             | 192  | 6             | 400                        | 23.4               |                    | 600                        | 35.4               |                    | 800                        | 49.2               |                    |
|                                                                                   | R 60"                                      | 90    | 7.9             | 256  | 8             | 400                        | 31.2               |                    | 600                        | 47.2               |                    | 800                        | 65.6               |                    |
| for 30 K or 35 K multiply lm value by 0.96                                        |                                            |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |
| 45°                                                                               | RADIUS<br>SIZE                             | ANGLE | ARC LEN<br>MECH | LEDs | ARC LEN<br>EL | LUMEN<br>OUTPUT<br>(LM/FT) | POWER<br>INPUT (W) | EFFICACY<br>(LM/W) | LUMEN<br>OUTPUT<br>(LM/FT) | POWER<br>INPUT (W) | EFFICACY<br>(LM/W) | LUMEN<br>OUTPUT<br>(LM/FT) | POWER<br>INPUT (W) | EFFICACY<br>(LM/W) |
|                                                                                   |                                            |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |
|                                                                                   |                                            |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |
|                                                                                   |                                            |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |
|                                                                                   |                                            |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |
|                                                                                   |                                            |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |
|                                                                                   | R 30"                                      | 45    | 2.0             | 96   | 2             | 400                        | 7.8                | 103                | 600                        | 11.8               | 102                | 800                        | 17.8               | 98                 |
|                                                                                   | R 36"                                      | 45    | 2.4             | 120  | 2.5           | 400                        | 9.8                |                    | 600                        | 14.8               |                    | 800                        | 22.3               |                    |
|                                                                                   | R 48"                                      | 45    | 3.1             | 144  | 3             | 400                        | 11.7               |                    | 600                        | 17.7               |                    | 800                        | 26.7               |                    |
|                                                                                   | R 60"                                      | 45    | 3.9             | 192  | 4             | 400                        | 15.6               |                    | 600                        | 23.6               |                    | 800                        | 35.6               |                    |
|                                                                                   | R 120"                                     | 45    | 7.9             | 384  | 8             | 400                        | 31.2               |                    | 600                        | 47.2               |                    | 800                        | 71.2               |                    |
|                                                                                   | for 30 K or 35 K multiply lm value by 0.96 |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |
| 22.5°                                                                             | RADIUS<br>SIZE                             | ANGLE | ARC LEN<br>MECH | LEDs | ARC LEN<br>EL | LUMEN<br>OUTPUT<br>(LM/FT) | POWER<br>INPUT (W) | EFFICACY<br>(LM/W) | LUMEN<br>OUTPUT<br>(LM/FT) | POWER<br>INPUT (W) | EFFICACY<br>(LM/W) | LUMEN<br>OUTPUT<br>(LM/FT) | POWER<br>INPUT (W) | EFFICACY<br>(LM/W) |
|                                                                                   |                                            |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |
|                                                                                   |                                            |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |
|                                                                                   | R 60"                                      | 22.5  | 2.0             | 64   | 2             | 400                        | 7.8                | 103                | 600                        | 11.8               | 102                | 800                        | 16.4               | 98                 |
|                                                                                   | R 120"                                     | 22.5  | 3.9             | 128  | 4             | 400                        | 15.6               |                    | 600                        | 23.6               |                    | 800                        | 32.8               |                    |
| for 30 K or 35 K multiply lm value by 0.96                                        |                                            |       |                 |      |               |                            |                    |                    |                            |                    |                    |                            |                    |                    |

Patterns with BASO 1.5 top view

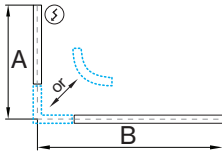
LINEAR

| A    | FIXTURES      | CODE           |
|------|---------------|----------------|
| 48"  | 1 × 4' linear | ST - 4 8 I N   |
| 96"  | 1 × 8' linear | ST - 9 6 I N   |
| 144" | 3 × 4' linear | ST - 1 4 4 I N |



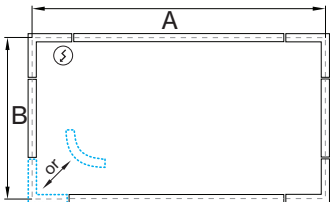
L-SHAPE / J-SHAPE

| A / B     | FIXTURES                                                                  | CODE                |
|-----------|---------------------------------------------------------------------------|---------------------|
| 48" / 48" | 2 × 24" linear + 1 × 24" × 24" corner or R 24" 90° curve                  | # S - 4 8 X 4 8 I N |
| 48" / 96" | 1 × 24" linear + 1 × 72" linear + 1 × 24" × 24" corner or R 24" 90° curve | # S - 4 8 X 9 6 I N |
| 96" / 96" | 2 × 72" linear + 1 × 24" × 24" corner or R 24" 90° curve                  | # S - 9 6 X 9 6 I N |



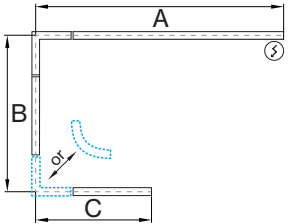
□-SHAPE / O-SHAPE

| A / B     | FIXTURES                                                 | CODE                |
|-----------|----------------------------------------------------------|---------------------|
| 48" / 48" | 4 × 24" × 24" corner or R 24" 90° curve                  | # S - 4 8 X 4 8 I N |
| 48" / 96" | 2 × 48" linear + 4 × 24" × 24" corner or R 24" 90° curve | # S - 4 8 X 9 6 I N |
| 96" / 96" | 4 × 48" linear + 4 × 24" × 24" corner or R 24" 90° curve | # S - 9 6 X 9 6 I N |



U-SHAPE / C-SHAPE

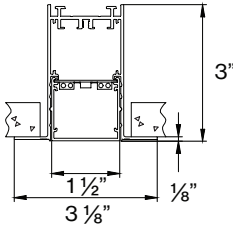
| A / B / C        | FIXTURES                                                                  | CODE                        |
|------------------|---------------------------------------------------------------------------|-----------------------------|
| 48" / 48" / 48"  | 2 × 24" linear + 2 × 24" × 24" corner or R 24" 90° curve                  | # S - 4 8 X 4 8 X 4 8 I N   |
| 48" / 96" / 48"  | 1 × 48" linear + 2 × 24" linear + 2 × 24" × 24" corner or R 24" 90° curve | # S - 4 8 X 9 6 X 4 8 I N   |
| 48" / 144" / 48" | 1 × 96" linear + 2 × 24" linear + 2 × 24" × 24" corner or R 24" 90° curve | # S - 4 8 X 1 4 4 X 4 8 I N |



### FULL CIRCLE DIMENSIONS

| NOMINAL | ON-CENTER<br>RADIUS | ON-CENTER<br>DIAMETER | OUTSIDE<br>DIAMETER   | OUTSIDE<br>CIRCUMFER. |
|---------|---------------------|-----------------------|-----------------------|-----------------------|
| Ø 36"   | 18"                 | Ø 36"                 | Ø 38 $\frac{3}{8}$ "  | 120 $\frac{9}{16}$ "  |
| Ø 48"   | 24"                 | Ø 48"                 | Ø 50 $\frac{3}{8}$ "  | 158 $\frac{1}{4}$ "   |
| Ø 60"   | 30"                 | Ø 60"                 | Ø 62 $\frac{3}{8}$ "  | 196"                  |
| Ø 72"   | 36"                 | Ø 72"                 | Ø 74 $\frac{3}{8}$ "  | 233 $\frac{5}{8}$ "   |
| Ø 96"   | 48"                 | Ø 96"                 | Ø 92 $\frac{3}{8}$ "  | 306"                  |
| Ø 120"  | 60"                 | Ø 120"                | Ø 122 $\frac{3}{8}$ " | 384 $\frac{7}{16}$ "  |
| Ø 240"  | 120"                | Ø 240"                | Ø 242 $\frac{3}{8}$ " | 761 $\frac{7}{16}$ "  |

### RECESSED trimless

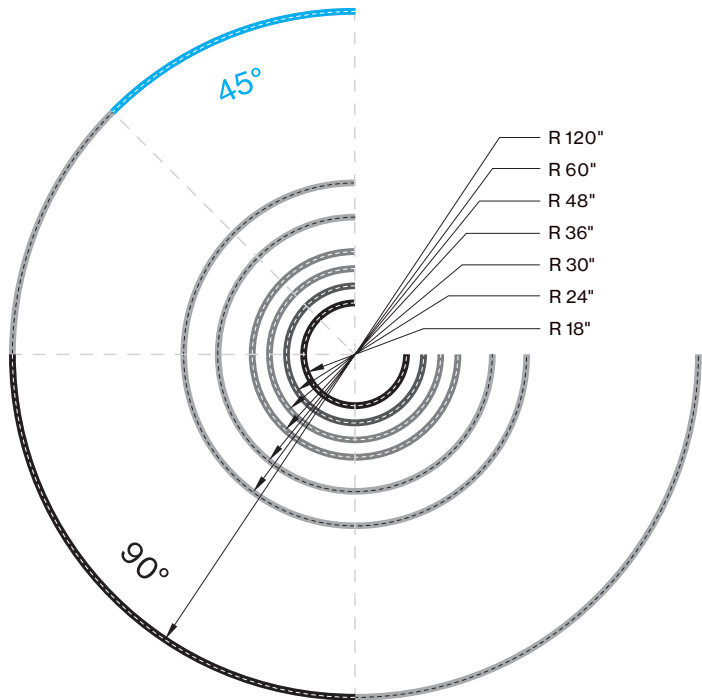


### FOR FIXTURES THAT ARE NOT FULL CIRCLE

L total = L channel +  $\frac{1}{8}$ " in total for two endcaps

### FOR FIXTURES THAT ARE FULL CIRCLE

L total = L channel



# Declare.

**CURVE/CIRCLE 1.5 2.5 4.0**  
**BASO Inc.**

**Final Assembly:** Oxford, Connecticut, USA  
**Life Expectancy:** 5 Year(s)  
**End of Life Options:** Recyclable (70%), Landfill (30%)

**Ingredients:**  
Aluminum; Copper chloride (CuCl<sub>2</sub>); 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate; Steel (manufacture, chemicals; Unnamed Substance<sup>1</sup>; Nickel (Metallic); Brass; Silicon; Poly(imino(1,6-dioxo-1,6-hexanedyl)imino-1,6-hexanedyl); Acetic acid ethyl ester, polymer with ethene; Copper; Polypropylene; Magnesium hydroxide; Tin; Organic; Zinc

<sup>1</sup>LBC Temp Exception RL-002 - Small Electrical Components

**Living Building Challenge Criteria:** Compliant

**I-13 Red List:**  
☐ LBC Red List Free      % Disclosed: 100% at 100ppm  
☒ LBC Red List Approved      VOC Content: Not Applicable  
☐ Declared

**I-10 Interior Performance:** Not Applicable  
**I-14 Responsible Sourcing:** Not Applicable

BAS-0001  
 EXP. 01 MAY 2025  
 Original Issue Date: 2022

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
 INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](https://living-future.org/declare)

### CURVE mounting instructions

Get access to the CURVE circle mounting instructions faster by scanning the QR code.

<https://www.basolighting.com/resources/mounting-instructions/curve>

