



iQ66 LED SUPERBEND LARGE (SBDL)  
**SUPERBEND LARGE**

A versatile, flexible LED power strip that is bendable in a variety of different directions. Great light source for indoor and covered outdoor applications with a rating of IP66 which is water resistant to protect against the elements. The LED is offered in 2 Colors Temperatures; 2700K and 3000K in 3.5 watts per foot and a CRI over 90.

|             |   |            |   |             |   |           |   |              |   |        |
|-------------|---|------------|---|-------------|---|-----------|---|--------------|---|--------|
| <b>iQ66</b> | - |            | - | <b>SBDL</b> | - | <b>90</b> | - | <b>3.5</b>   | - |        |
| iQ Series   |   | Color Temp |   | Type        |   | CRI       |   | Watts Per FT |   | Length |

**iQ66-27-SBDL-90-3.5**

Max Run / Reel Length: 16ft\* | Color Temp: 2700K | Voltage: 24VDC  
 CRI: 92 | LM: 79 | Watts Per Ft: 3.5 | Lumens Per Ft: 184  
 Lumens Per Watt: 54

**iQ66-30-SBDL-90-3.5**

Max Run / Reel Length: 16ft\* | Color Temp: 3000K | Voltage: 24VDC  
 CRI: 93 | LM: 79 | Watts Per Ft: 3.5 | Lumens Per Ft: 220  
 Lumens Per Watt: 64

\*Maximum length for one run of iQ66 SBDL 3.5. Individual Power supply cut sheets will provide max distance/loads per power supply.

**FEATURES**

- LED life time - 30,000 hours
- Minimum bending radius 5"
- Operating temperature: -4°F ~ +113°F
- Ingress protection rating IP66(Dot-Free)
- 3 year warranty

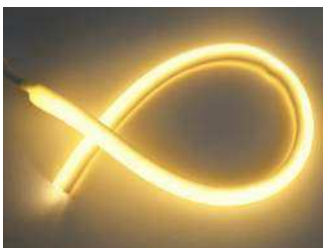
**CUTTING INSTRUCTIONS:**

This flex light can be cut on the dotted line mapped on the unit at every 1.3".

\*Lead wire comes in 18" ( See instructions for more details )



CIRCULAR BENDING



HORIZONTAL AND VERTICAL BENDING



INWARD BENDING



OUTWARD BENDING



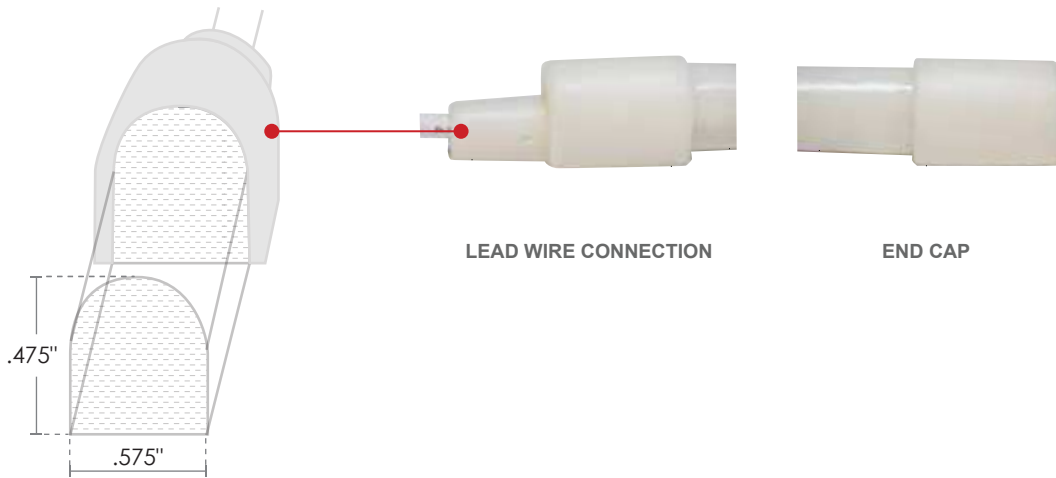
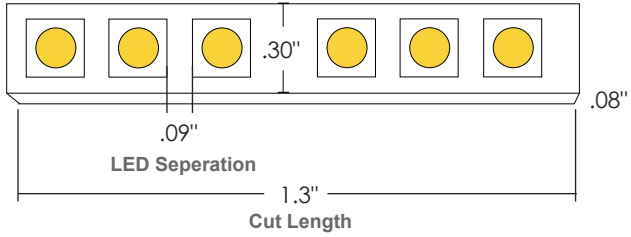
2019 0115 - V01

| PROJECT NAME | DATE | COMPANY | TYPE | NOTE |
|--------------|------|---------|------|------|
|              |      |         |      |      |

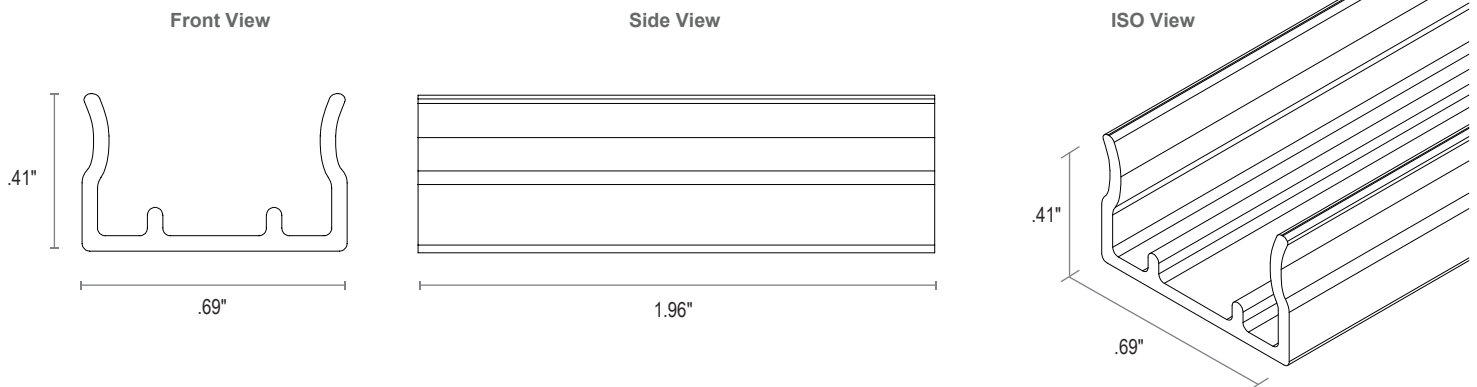


# iQ66 LED SUPERBEND LARGE (SBDL) DIMENSIONS

## DIMENSIONS



## MOUNTING CLIPS



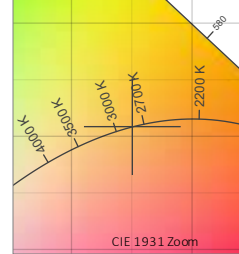
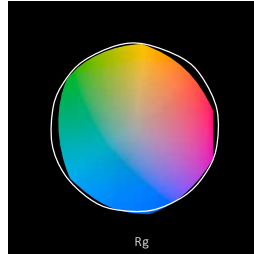
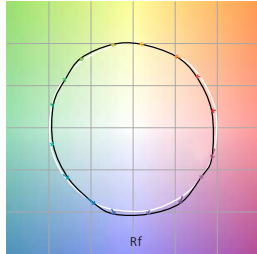


# iQ66 LED SUPERBEND LARGE (SBDL) COLOR DATA

## 2700K

2823 K

**CRI:** 91.8  
**CRI R9:** 62.7  
**TM30 Rf:** 89.7  
**TM30 Rg:** 100.0  
**CQS:** 89.5  
**X:** 0.450  
**Y:** 0.409  
**U:** 0.257  
**V:** 0.350  
 **$\Delta uv$ :** 0.0002



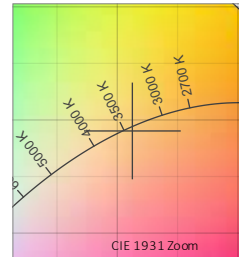
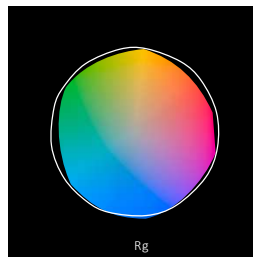
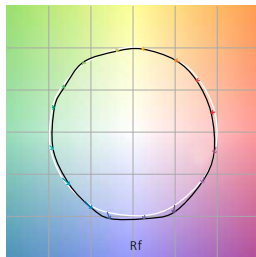
| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92.2 | 94.6 | 94.5 | 92.1 | 90.9 | 92.4 | 93.6 | 84.0 | 62.7 | 85.4 | 91.6 | 75.4 | 92.7 | 95.9 | 89.3 |      |
| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |      |
| 89.4 | 96.3 | 85.3 | 85.1 | 88.9 | 89.3 | 88.1 | 91.0 | 96.2 | 91.7 | 91.2 | 91.7 | 92.1 | 87.6 | 88.0 |      |
| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
| 90.1 | 91.0 | 86.4 | 91.0 | 92.8 | 93.7 | 92.2 | 95.5 | 93.0 | 86.2 | 83.7 | 87.1 | 92.0 | 87.5 | 91.9 | 84.6 |

| TM30    |    |        |      |
|---------|----|--------|------|
| Hue Bin | Rf | Chroma | Hue  |
| 1       | 90 | -5%    | 0%   |
| 2       | 91 | -4%    | 3%   |
| 3       | 86 | -1%    | 6%   |
| 4       | 91 | -1%    | 4%   |
| 5       | 93 | 2%     | 4%   |
| 6       | 94 | 3%     | -1%  |
| 7       | 92 | -1%    | -3%  |
| 8       | 95 | -2%    | -2%  |
| 9       | 93 | -3%    | 2%   |
| 10      | 86 | -3%    | 7%   |
| 11      | 84 | 0%     | 11%  |
| 12      | 87 | 5%     | 4%   |
| 13      | 92 | 4%     | -3%  |
| 14      | 88 | 6%     | -7%  |
| 15      | 92 | 0%     | -4%  |
| 16      | 85 | -1%    | -11% |

## 3000K

3346 K

**CRI:** 92.7  
**CRI R9:** 68.2  
**TM30 Rf:** 89.0  
**TM30 Rg:** 99.7  
**CQS:** 90.0  
**X:** 0.412  
**Y:** 0.390  
**U:** 0.241  
**V:** 0.341  
 **$\Delta uv$ :** -0.0017



| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93.5 | 95.7 | 94.8 | 92.3 | 92.0 | 92.5 | 94.1 | 86.7 | 68.2 | 87.4 | 91.3 | 71.8 | 94.2 | 96.3 | 91.8 |      |
| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |      |
| 91.7 | 98.0 | 83.9 | 82.8 | 88.0 | 90.5 | 90.2 | 92.5 | 96.7 | 92.2 | 91.0 | 91.7 | 92.8 | 89.9 | 90.5 |      |
| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
| 89.8 | 91.5 | 87.5 | 91.0 | 91.0 | 94.8 | 93.0 | 95.0 | 90.4 | 82.0 | 79.7 | 87.2 | 93.0 | 87.6 | 88.4 | 86.3 |

| TM30    |    |        |     |
|---------|----|--------|-----|
| Hue Bin | Rf | Chroma | Hue |
| 1       | 90 | -5%    | 0%  |
| 2       | 91 | -3%    | 2%  |
| 3       | 88 | -1%    | 5%  |
| 4       | 91 | -1%    | 3%  |
| 5       | 91 | -2%    | 2%  |
| 6       | 95 | 2%     | 0%  |
| 7       | 93 | -3%    | -1% |
| 8       | 95 | -2%    | -1% |
| 9       | 90 | -3%    | 5%  |
| 10      | 82 | -3%    | 11% |
| 11      | 80 | 2%     | 11% |
| 12      | 87 | 7%     | 4%  |
| 13      | 93 | 4%     | -2% |
| 14      | 88 | 6%     | -6% |
| 15      | 88 | 1%     | -6% |
| 16      | 86 | -1%    | -7% |

**NOTES:**

- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

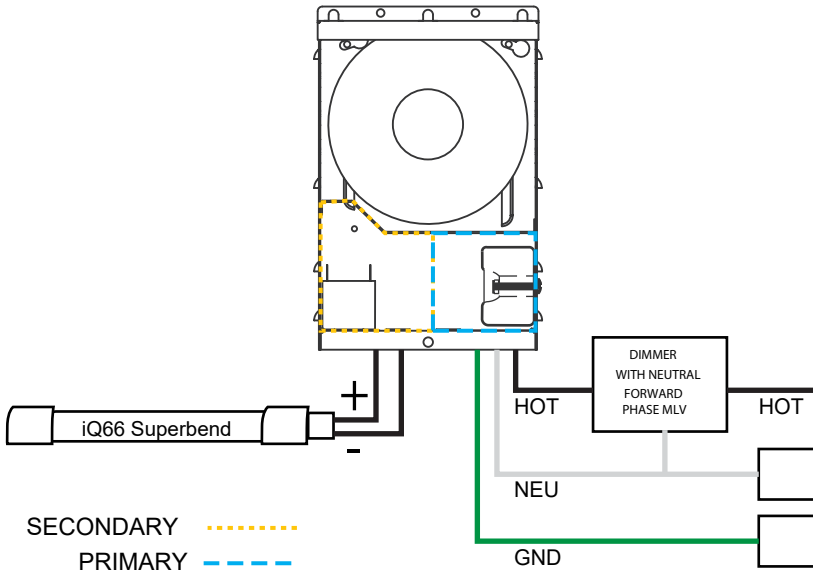




iQ66 LED SUPERBEND LARGE (SBDL)  
**POWER SUPPLIES**

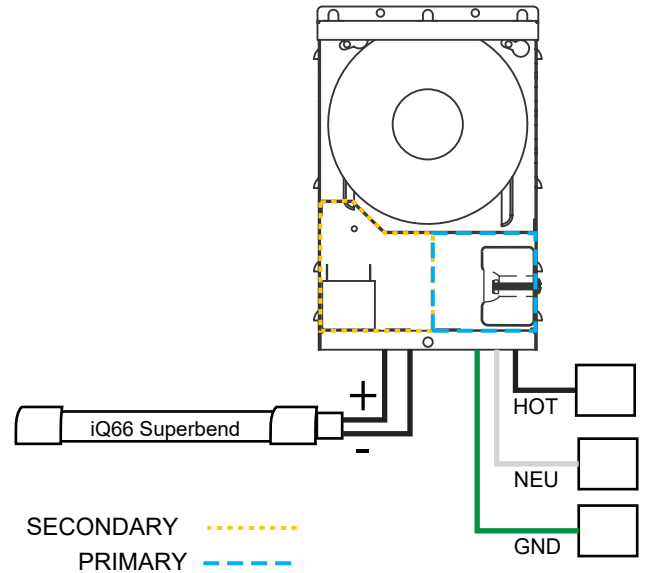
**Magnetic with Dimmer**  
**DC or DC+CAP**

**QT & Q6** for interior  
**QOM** for exterior



**Magnetic without Dimmer**  
**DC or DC+CAP**

**QT & Q6** for interior  
**QOM** for exterior



**Phase Controlled Dimming**

**iQ-PH-80**

