



## LEDSCAPE FLEX OPTICS PLUS IP67

LEDscape LED OPTICS PLUS LED strip (IP67) is a high quality, flexible LED strips with a unique, diffuse co-extrusion technology that allows horizontal and vertical bending. The combination of high quality and exceptional flexibility, allows for an endless range of indoor and outdoor applications. The LEDscape offers a pre-assembled mirror welded connector for instant waterproof IP67 usage.

### PRODUCT HIGHLIGHTS

- BINNING:**  $\pm 50K$
- CRI:** 90
- EXPECTED LIFETIME:** L70 > 50,000 hours
- OPERATING TEMP:** -40°F – 149°F
- DEGREE OF PROTECTION:** IP67
- RATING:** UL
- BENDING RADIUS:** 15.75 in
- CORD LENGTH EXPECTED:** 3 ft
- OPERATING VOLTAGE:** 24V, constant voltage
- WARRANTY:** 5 year
- FEATURES:** Dimmable, Plug & Play, Assorted colors, Accessories available, Effective heat dissipation, Excellent lumen/watt ratio, very flexible, custom output, custom colors.

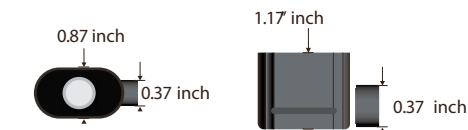
### CHARACTERISTICS

| Power      | Length Inc. <sup>1</sup> | Lumen per foot <sup>2</sup> | Max Run Length <sup>3</sup> | Dimming               |
|------------|--------------------------|-----------------------------|-----------------------------|-----------------------|
| 10.97 w/ft | 1.96 in                  | 933 lm/ft                   | 7.87 ft                     | Low Voltage/<br>0-10V |

**Notes:**

- Length Increments:** Refers to the Strip's cuttable segments.
- Lumen per foot:** calculated at 4000K, 20 degree
- Max Run Length:** Refers to the Strip's total run lengths from the connector to the end.

Lumen for white only. MAX. connection length between -35 - 45 °C. LEDscape reserves the right to modify the information above without notice All circuits with LEDscape product must have surge protection for valid warranty.



### AVAILABLE COLORS

- Extra Warm White 2700K
- Warm White 3000K
- Cool White 3500K
- Natural White 4000K
- Daylight White 5000k
- Custom
- RGBW



### ORDERING CHART

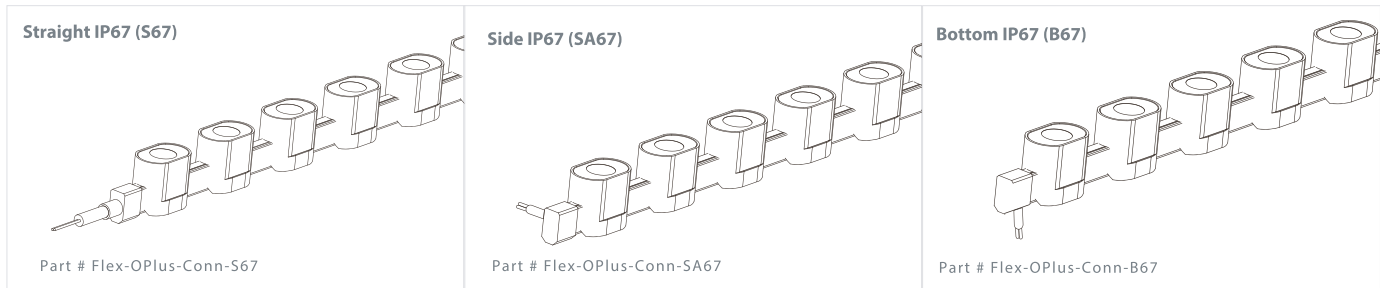
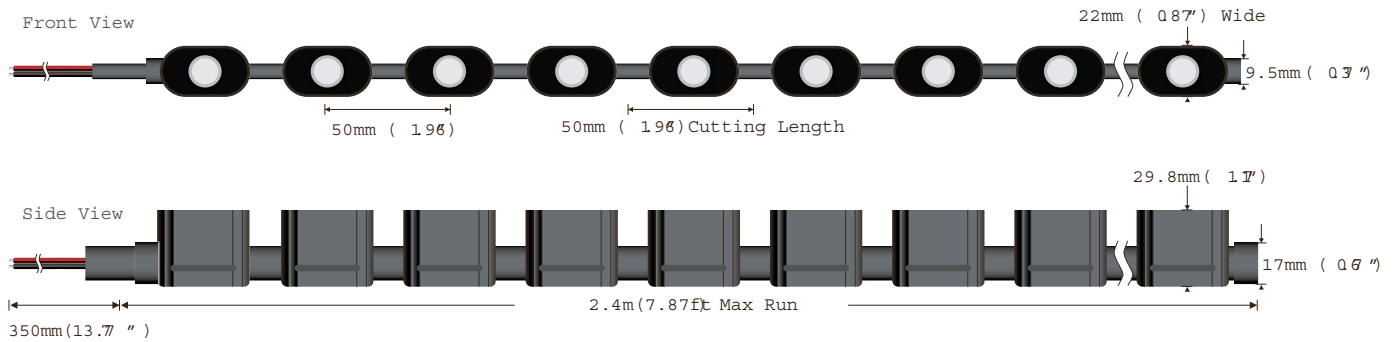
Example: 7-FLEX-OPLUS-20-30-S67-AB

| Length                                                                                                                                                         | LED Stock Code | Series                          | Beam Angle |           | Color |              | Connector |               | Mounting |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------|------------|-----------|-------|--------------|-----------|---------------|----------|------------------|
| 7.87 ft<br><small>NOTE: Refer to MAX run lengths below for each lumen option. If total exceeds, you will receive 2 pieces. Example: 30 ft = (4) 7.5 ft</small> | FLEX LED Strip | OPLUS Optic Plus (Outdoor IP67) | 20         | 20°       | 27    | 2700k        | S67       | Straight IP67 | CL       | Aluminum Clip    |
|                                                                                                                                                                |                |                                 | 30         | 30°       | 30    | 3000k        | B67       | Bottom IP67   | BC       | Bendable Channel |
|                                                                                                                                                                |                |                                 | 40         | 40°       | 35    | 3500k        | SA67      | Side IP67     |          |                  |
|                                                                                                                                                                |                |                                 | 1540       | 15° x 40° | 40    | 4000k        |           |               |          |                  |
|                                                                                                                                                                |                |                                 |            |           | 50    | 5000k        |           |               |          |                  |
|                                                                                                                                                                |                |                                 |            |           | CU    | Custom Color |           |               |          |                  |
|                                                                                                                                                                |                |                                 |            |           | RGBW  | RGBW         |           |               |          |                  |

**Notes:**

Product sold PER FOOT. Ships with factory IP67 Connection and end cap. Stock code may differ from UL/ETL certification, consult factory if required.

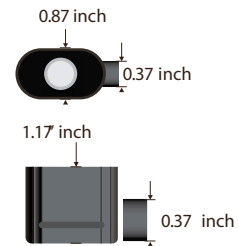
## NEON LED CONNECTORS & MOUNTING



### END CAP IP40/IP65

Part #: Flex-OPlus-EC40/65

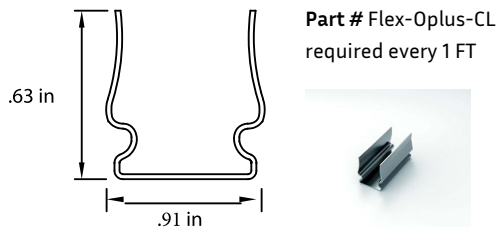
Dimensions: 0.40 L x 0.78 W x 0.43 H inches



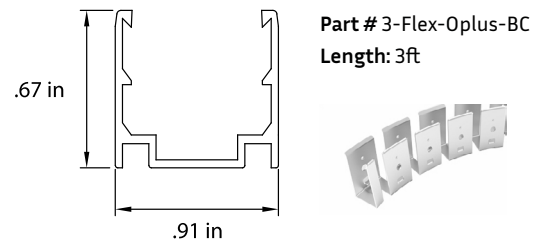
**Note:** IP67 Connector ships factory assembled with corresponding end cap. Customer may elect to cut and use IP40/65 end cap in the field, but installed assumes all responsibility for correct waterproofing and does not fall under factory warranty.

## MOUNTING & ACCESSORIES

### ACL ALUMINIUM CLIP



### BC BENDABLE CHANNEL



## LEDSCAPE DMX POWER SUPPLIES

The LEDscape Series of Constant Voltage Class 2 LED Drivers offers both cETLus style enclosures, available in indoor (IP50, damp rated) and outdoor (IP68) versions. The outdoor enclosure has a built-in junction box on both the input and the output and is suitable for all locations. With universal input voltage ranging from 120 to 277VAC, this series of drivers is designed for commercial, industrial and residential applications. Our DMX RGBW power supplies offer smooth flicker-free linear dimming down to 1% with any DMX controller, and the RDM protocol allows for ease of on-site programming.



### PRODUCT HIGHLIGHTS

|                           | INDOOR        | OUTDOOR       |
|---------------------------|---------------|---------------|
| INPUT VOLTAGE             | 120/277 V     | 120/277 V     |
| OUTPUT VOLTAGE            | 24V           | 24V           |
| INPUT FREQUENCY           | 50/60 HZ      | 50/60 HZ      |
| OPERATING TEMP            | -13°F – 104°F | -13°F – 104°F |
| PROTOCOL                  | DMX512 / RDM  | DMX512 / RDM  |
| DEGREE OF PROTECTION (IP) | IP50          | IP68          |
| DIMMABLE                  | to 1%         | to 1%         |
| CLASS 2                   | All sizes     | All sizes     |
| LOAD REQUIREMENTS         | 10%           | 10%           |

### CHARACTERISTICS

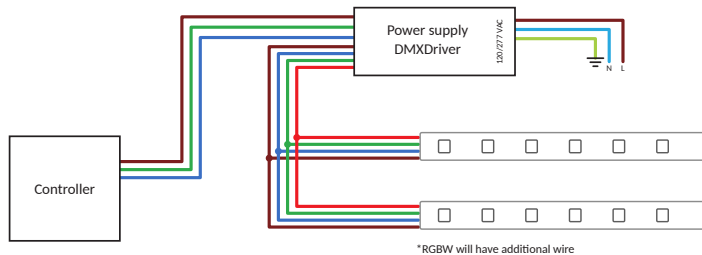
#### INDOOR

| Power | Output Current | Efficiency | Power Factor | Dimensions                  |
|-------|----------------|------------|--------------|-----------------------------|
| 100W  | 4100mA         | > 95%      | >0.95        | 9.50" L X 3.62" W X 1.65"H  |
| 200W  | 7500mA         | > 95%      | >0.95        | 12.5" L X 10.25" W X 1.81"H |

#### OUTDOOR

| Power | Output Current | Efficiency | Power Factor | Dimensions                  |
|-------|----------------|------------|--------------|-----------------------------|
| 120W  | 4100mA         | > 95%      | >0.95        | 9.50" L X 34.25" W X 1.65"H |
| 200W  | 7500mA         | > 95%      | >0.95        | 11.5" L X 10.25" W X 1.81"H |
| 300W  | 8200mA         | > 95%      | >0.95        | 12.5" L X 13.25" W X 1.81"H |

### POWER AND CONNECTION DIAGRAM



POWER SUPPLY = Product Wattage X Length

24 Nominal supply voltage of LEDscape in Volt  
Recommended MAC output of power supply 80%

To calculate MAX run distance from Power Supply to LED reference power drop chart : [Here](#).

**Note:** If using outdoor, verify contractor use included water and moisture tight enclosure. Not direct burial rated.

### ORDERING CHART

Ordering Example: PS-24-I-DMX-100-U OR PS-24-O-DMX-120-U

| Series                                                                                                                                                                                                                                                                                                                                                                      |              | Output Voltage |     | Environment                                                                                                                               |                      | Dimming |         | Wattage<br>OR    |                  | Voltage Input |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------|---------|------------------|------------------|---------------|----------|
| PS                                                                                                                                                                                                                                                                                                                                                                          | Power Supply | 24             | 24V | I                                                                                                                                         | Indoor (damp listed) | DMX     | DMX 512 | Indoor (I)       | Outdoor (O)      | U             | 120/277V |
|                                                                                                                                                                                                                                                                                                                                                                             |              |                |     | O                                                                                                                                         | Outdoor/Indoor       |         |         | 100 100W         | 120 120W         |               |          |
|                                                                                                                                                                                                                                                                                                                                                                             |              |                |     | Indoor: IP50, damp listed.<br>Outdoor: IP68, cETLus enclosure with built-in junction box on input and output. Suitable for all locations. |                      |         |         | 200 200W         | 200 200W         |               |          |
|                                                                                                                                                                                                                                                                                                                                                                             |              |                |     |                                                                                                                                           |                      |         |         |                  | 300 300W         |               |          |
|                                                                                                                                                                                                                                                                                                                                                                             |              |                |     |                                                                                                                                           |                      |         |         | CU Custom Output | CU Custom Output |               |          |
| Notes:<br>Outdoor version does NOT have an interface to set the DMX address; it must be set utilizing an RDM device (by others).<br>Indoor version DOES have an interface and the address can be set on the device OR utilizing an RDM device (by others).<br>LEDscape Lighting does NOT conduct start-up and/or programming — advise to hire a DMX professional if needed. |              |                |     |                                                                                                                                           |                      |         |         |                  |                  |               |          |

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