

# SL5-RBG(W) Outdoor Diffusion LED Ribbon

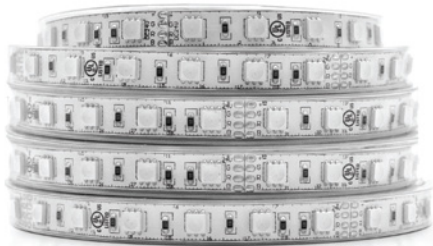


14.4 W/M (4.32 W/FT)  
19.2 W/M (6 W/FT)  
LED WATTS

60/M(18/FT)  
LED/Meter

91+  
CRI

24V DC  
Power Input



16 FT ROLL

32 FT ROLL

CUSTOM CUT

The Diffusion SL5-RBG Outdoor is a 12 mm wide LED strip that allows you to choose your colors using RGB. The Diffusion SL5-RGBW Outdoor is a 14 mm wide LED strip that offers color choices with RGB and warm white (2700K). Both are available in 16 ft and 32 ft rolls, cuttable every 6 LEDs (100 mm or 4 in).

Custom lengths available upon request

## Lumens

RGB  
591 lm/m  
(180 lm/ft)

W (2700K)  
400 lm/m  
(122 lm/ft)

Custom Kelvins available upon request



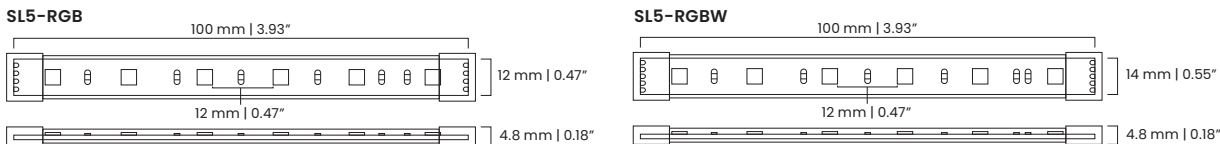
## Specifications

|              |                           |                                   |                 |
|--------------|---------------------------|-----------------------------------|-----------------|
| Wattage RGB  | 14.4 W/m (4.32 W/ft)      | Cutting Point                     | 4 in            |
| Wattage RGBW | 19.2 W/m (6 W/ft)         | Max Run Length Product Limitation | 32 ft           |
| Voltage      | 24 Volts DC               | Operating Temp                    | -40°C to 120°C  |
| Roll Length  | 16 ft, 100 ft, Custom Cut | Environment                       | Sauna Approved  |
| Dimmable     | Yes                       | IP Rating                         | IP67            |
| Lamp Life    | 50,000 hrs LM-80          | Warranty                          | 5 Year Warranty |
| CRI          | 91 + CRI                  |                                   |                 |

## Ordering Information

| Ordering Code | Length                             | Voltage | Kelvin            |
|---------------|------------------------------------|---------|-------------------|
| SL5-OUT       | XX<br>16 ft<br>32 ft<br>CUSTOM CUT | 24V     | XX<br>RGB<br>RGBW |

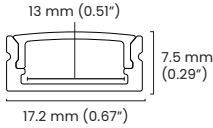
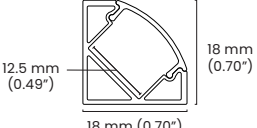
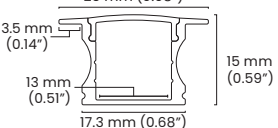
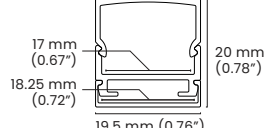
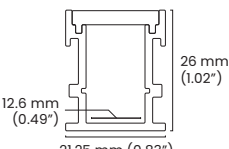
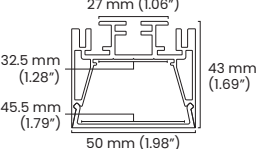
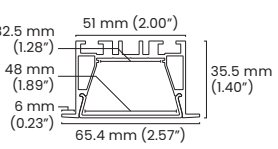
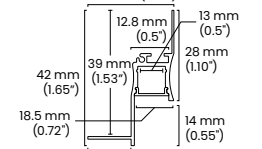
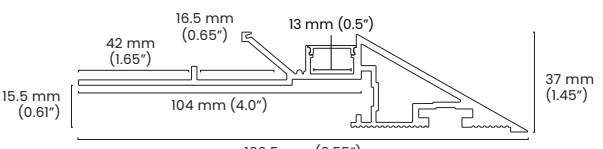
## Diagram



# SL5-RBG(W) Outdoor Diffusion LED Ribbon

## Common Pairings Channel

 Only Compatible With RGB

|                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>SLC-002S</b> </p> <p>Slim Profile Channel</p>  <p>*Shows Dotting</p>                                                                  | <p><b>SLC-007S</b> </p> <p>45 Degree Channel</p>  <p>*Shows Dotting</p> | <p><b>SLC-003R</b> </p> <p>Recessed Channel</p>  <p>*Shows Dotting</p> | <p><b>SLC-011S</b></p> <p>Three Sided Lens Channel</p>  <p>*Shows Dotting</p>                                                                                                                              |
| <p><b>SLC-034R</b> </p> <p>Walk Over Channel</p>                                                                                           | <p><b>SLC-050SPWH</b></p> <p>Surface/Suspended Mount</p>  <p>*Dual Row Ribbon</p>                         | <p><b>SLC-065RWH</b></p> <p>Recessed Comes With Spring Clips</p>  <p>*Dual Row Ribbon</p>                                                 | <p><b>SLC - 090TWH</b> </p> <p>Perimeter Cove Channel</p>  <p>*Shows Dotting</p> |
| <p><b>SLC-098KE</b> </p> <p>Knife Edge Channel</p>  <p>*Shows Dotting</p> |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                            |

### \*More Channel options available online

All Aluminum LED channels can be cut on-site using a miter saw equipped with a circular blade designed for cutting aluminum.

LED channels are sold separately. Refer to their respective spec sheets for additional details

[Visit LED Channel Catalog](#)

# SL5-RBG(W) Outdoor Diffusion LED Ribbon

## LED Ribbon Wattage

RGB: 14.4W/M (4.32W/FT)

RGBW: 19.2W/M (6W/FT)

## LED Power Consumption

### Residential

Total Watts Needed RGB = (4.32 Watts Foot × Number of Feet) × 0.9

Total Watts Needed RGBW = (6 Watts Foot × Number of Feet) × 0.9

### Commercial

Total Watts Needed RGB = (4.32 Watts Foot × Number of Feet) × 0.8

Total Watts Needed RGBW = (6 Watts Foot × Number of Feet) × 0.8

Max distance of a driver is based on voltage loss calculation. Stay within 2% voltage loss

## DLMULTI-024 Series Diffusion LED Driver

### Specifications

|                |             |                |                    |
|----------------|-------------|----------------|--------------------|
| Input Voltage  | 100-277 VAC | Environment    | Indoor and Outdoor |
| Output Voltage | 24V DC      | Operating Temp | -40°C to 80°C      |
| Dimming Range  | 0-100%      | IP Rating      | NEMA 4X            |
| Dimmable       | Yes         | Warranty       | 5 Years            |

| Product Title                                | Wattage       | Output Current | Driver Dimension                                                    | Knock Outs                                                               |
|----------------------------------------------|---------------|----------------|---------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>DLMULTI-024-30W</b><br>Within Class 2     | 30W           | 1.25 A         | 165 mm L x 95 mm W x 26 mm H<br>6.49 in L x 3.75 in W x 1.02 in H   | 0.5 in (ID) <small>Standard 1/2" won't fit Includes 2 Connectors</small> |
| <b>DLMULTI-024-60W</b><br>Within Class 2     | 60W           | 2.5 A          | 188 mm L x 95 mm W x 26 mm H<br>7.40 in L x 3.75 in W x 1.02 in H   | 0.5 in (ID) <small>Standard 1/2" won't fit Includes 2 Connectors</small> |
| <b>DLMULTI-024-100W</b><br>Within Class 2    | 100W          | 4.16 A         | 220 mm L x 95 mm W x 41 mm H<br>8.66 in L x 3.75 in W x 1.61 in H   | 0.85 in (ID)                                                             |
| <b>DLMULTI-024-150W</b><br>Exceeds Class 2   | 150W          | 6.25 A         | 260 mm L x 104 mm W x 46 mm H<br>10.23 in L x 4.09 in W x 1.81 in H | 0.85 in (ID)                                                             |
| <b>DLMULTI-024-200W</b><br>Exceeds Class 2   | 200W          | 8.33 A         | 260 mm L x 104 mm W x 46 mm H<br>10.23 in L x 4.09 in W x 1.81 in H | 0.85 in (ID)                                                             |
| <b>DLMULTI-024-300W</b><br>Exceeds Class 2   | 300W          | 12.5 A         | 278 mm L x 110 mm W x 46 mm H<br>10.94 in L x 4.33 in W x 1.81 in H | 0.85 in (ID)                                                             |
| <b>DLMULTI-024-192W-2T</b><br>Within Class 2 | 192W (2*96W)  | 2X 4.0 A       | 278 mm L x 110 mm W x 46 mm H<br>10.94 in L x 4.33 in W x 1.81 in H | 0.85 in (ID)                                                             |
| <b>DLMULTI-024-288W-3T</b><br>Within Class 2 | 288W (3X 96W) | 3X 4.0 A       | 303 mm L x 110 mm W x 46 mm H<br>11.93 in L x 4.33 in W x 1.81 in H | 0.85 in (ID)                                                             |
| <b>DLMULTI-024-384W-4T</b><br>Within Class 2 | 384W (4X 96W) | 4X 4.0 A       | 325 mm L x 140 mm W x 48 mm H<br>12.79 in L x 5.51 in W x 1.89 in H | 0.85 in (ID)                                                             |

Forward / Reverse Phase, ELV, TRIAC, or 0-10V Dimmers all in one LED Driver

