

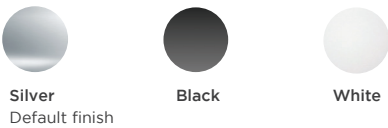
## B1 BENDABLE CHANNEL FIXTURE CONFORM-A-BEND™ SERIES

B1 Bendable Channel Fixture is a slim, bendable channel that is ideal for curved walls and surfaces. This low-profile aluminum fixture allows you to bend or curve it to match the shape of the mounting surface.

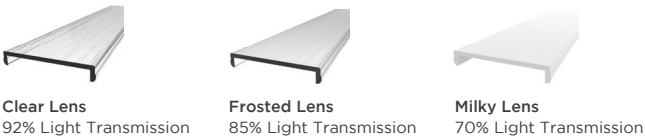
Pair with our RibbonLyte to create a custom bendable fixture. B1 Bendable Channel is also ROHS certified, has a beam angle of 120 degrees. Powder coating is available.

- Available for field assembly or factory assembly
- Sold by the foot, customize and factory cut to the nearest inch
- Adds an element of style and design to existing spaces
- Surface Mounts
- Aluminum Channel
- End caps provide a finished fixture look
- Powder coating available - RAL# or color match
- Assembled in USA

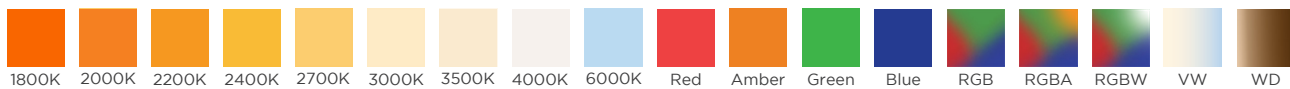
### HOUSING FINISHES



### AVAILABLE LENS FINISHES



### AVAILABLE COLORS & COLOR TEMPERATURES



### DIMENSIONS

| B1 CHANNEL                                                                                                                                                                           |  | With Mounting Clip (Included Accessory)                                                                        |                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <p>* Note: Its shallow depth causes diode visibility.</p> <p><b>Width:</b> 0.77 in. (19.6 mm)<br/><b>Height:</b> 0.26 in. (6.5 mm)<br/><b>Internal Width:</b> 0.69 in. (17.6 mm)</p> |  | <p>Side Views</p> <p>Top View</p> <p><b>Width:</b> 0.32 in. (8.1 mm)<br/><b>Length:</b> 0.81 in. (20.6 mm)</p> | <p>Assembled Views</p> <p><b>Width:</b> 0.81 in. (20.6 mm)<br/><b>Height:</b> 0.37 in. (9.4 mm)</p> |



**SPECIFICATIONS**

|                                |                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Beam Angle</b>              | 120°                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Lens Type</b>               | Clear Lens, Frosted Lens, Milky Lens                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Length</b>                  | Channel is sold by the foot and cut to your exact desired length. Required amount of mounting clips included.                                                                                                                                                                                                                                                                                            |
| <b>Operating Voltage</b>       | 24V                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Dimming</b>                 | MLV / 0-10 Volt / Lutron Hi-Lume 1% dimming LED drivers / Lutron VIVE code compliance available / ELV / DALI / DMX                                                                                                                                                                                                                                                                                       |
| <b>Operating Temperature</b>   | -40° F to 158° F (-40° C to 70° C)                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Colors</b>                  | 1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, RGB, RGBW, RGBA, VW, Warm Dim (1800K, 2000K, 2200K only available in IP20)                                                                                                                                                                                                                                       |
| <b>CRI</b>                     | 90+ CRI (Static white only)                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Minimum Bending Radius</b>  | 5.9 in. (15 cm)                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Lamp Life</b>               | L70 at 50,000 Hours                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MacAdam Ellipses (SDCM)</b> | 2-Step Binning (For Static White LEDs only)                                                                                                                                                                                                                                                                                                                                                              |
| <b>Certifications</b>          | ETL Listed: UL 2108 Issued: 2004/02/27 Ed: 1 Rev: 2014/02/24 Low Voltage Lighting Systems<br>CSA C22.2#9.0 Issued: 1996/06/01 Ed: 1 (R2011) General Requirements for Luminaires;<br>with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant UL 2108 - Low Voltage Lighting Systems<br>UL 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products UL 1598 / CSA 250.0-08 - Luminaires |

ORDERING GUIDE

**STEP 1** Complete Channel Part Number

| CHANNEL                    | LENS                                                 | HOUSING COLOR                     |
|----------------------------|------------------------------------------------------|-----------------------------------|
| <b>CHB1</b>                |                                                      |                                   |
| CHB1 - B1 Bendable Channel | C - Clear Lens*                                      | SV - Silver (default)             |
|                            | F - Frosted Lens                                     | BK - Black                        |
|                            | M - Milky Lens                                       | WH - White                        |
|                            | * Clear lens is the default option if not specified. | Consult factory for custom colors |

**STEP 2** Complete RibbonLyte Part Number

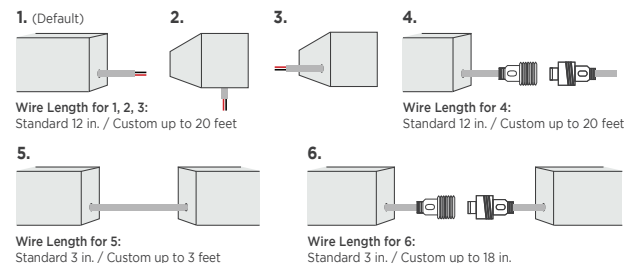
| CATEGORY        | CRI                              | RIBBON TYPE & IP RATING             |                           |
|-----------------|----------------------------------|-------------------------------------|---------------------------|
| <b>RB</b>       |                                  |                                     |                           |
| RB - RibbonLyte | 0 - Static Color, Color Changing | SWS220 - Static White Series 2 IP20 | RGBWA20 - RGBW/A IP20     |
|                 | 90 - 90+ CRI Static White        | SWS265 - Static White Series 2 IP65 | RGBWA65 - RGBW/A IP65     |
|                 |                                  | SCS220 - Static Color Series 2 IP20 | VWS220 - VW Series 2 IP20 |
|                 |                                  | SCS265 - Static Color Series 2 IP65 | VWS265 - VW Series 2 IP65 |
|                 |                                  | RGB20 - RGB IP20                    | WD20 - Warm Dim IP20      |
|                 |                                  | RGB65 - RGB IP65                    | WD65 - Warm Dim IP65      |

| WATTAGE                                                                | COLOR                                                  |
|------------------------------------------------------------------------|--------------------------------------------------------|
| 0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)               | 18 - 1800K                                             |
| 1.0 - 1.0 W/ft (3.3 W/m - Variable White)                              | 20 - 2000K                                             |
| 1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)                  | 22 - 2200K                                             |
| 2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color, RGB)             | 24 - 2400K                                             |
| 3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)  | 27 - 2700K                                             |
| 4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGB, RGBW/RGBA) | 30 - 3000K                                             |
| 5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)                 | 35 - 3500K                                             |
| 5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)                                   | 40 - 4000K                                             |
| 5.5 - 5.5 W/ft (18.0 W/m - RGBW/RGBA)                                  | 60 - 6000K                                             |
| 6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White) | R - Red                                                |
|                                                                        | A - Amber                                              |
|                                                                        | G - Green                                              |
|                                                                        | B - Blue                                               |
|                                                                        | RGB - Red, Green, Blue                                 |
|                                                                        | RGB30 - Red, Green, Blue + 3000K                       |
|                                                                        | RGB40 - Red, Green, Blue + 4000K (5.5W only)           |
|                                                                        | RGB60 - Red, Green, Blue + 6000K                       |
|                                                                        | RGBA - Red, Green, Blue + Amber                        |
|                                                                        | VW - Variable White                                    |
|                                                                        | 2920 - Warm Dim 2900K-2000K (IP20)                     |
|                                                                        | 2721 - Warm Dim 2900K-2000K (IP65)                     |
|                                                                        | Z - Undecided**                                        |
|                                                                        | ** For quotes only. Must be chosen before final order. |

CONNECTION OPTIONS (See diagrams on the right)

|                                    |                                     |
|------------------------------------|-------------------------------------|
| 1 - End Feed Bare Wire Connection  | 4 - End Feed with IP67 Male Coupler |
| 2 - Back Feed Bare Wire Connection | 5 - Soldered Daisy Chain            |
| 3 - Side Feed Bare Wire Connection | 6 - Daisy Chain With IP67 Couplers  |

Custom Length (ft.)



**STEP 3** Complete Assembly Option & Length

| ASSEMBLY OPTION              | LENGTH (Standard factory assembled length up to 78 in. / 2 m) |
|------------------------------|---------------------------------------------------------------|
| <b>FI</b> - Field Assembly   |                                                               |
| <b>FA</b> - Factory Assembly |                                                               |



SPECIFICATIONS

| Available Wattages         | Cutttable Length  | LED Pitch               | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens | Delivered Lumens with Frosted Lens | Delivered Lumens with Milky Lens | Standard Cable Length | Compatible with Channel |      |      |
|----------------------------|-------------------|-------------------------|-------------|-------------------|----------------------------------|------------------------------------|----------------------------------|-----------------------|-------------------------|------|------|
|                            |                   |                         |             |                   |                                  |                                    |                                  |                       | IP20                    | IP65 | IP68 |
| 0.75 Static White Series 2 | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 84                | 58 lm/ft (190.3 lm/m)            | 53.6 lm/ft (175.8 lm/m)            | 44.1 lm/ft (144.6 lm/m)          | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
|                            |                   |                         | 2000K       | 99                | 68.3 lm/ft (224 lm/m)            | 63.1 lm/ft (207 lm/m)              | 52 lm/ft (170.6 lm/m)            |                       |                         |      |      |
|                            |                   |                         | 2200K       | 109               | 75.2 lm/ft (246.7 lm/m)          | 69.5 lm/ft (228 lm/m)              | 57.2 lm/ft (187.6 lm/m)          |                       |                         |      |      |
|                            |                   |                         | 2400K       | 113               | 78 lm/ft (255.8 lm/m)            | 72.0 lm/ft (236.2 lm/m)            | 59.3 lm/ft (194.5 lm/m)          |                       |                         |      |      |
|                            |                   |                         | 2700K       | 123               | 84.9 lm/ft (278.5 lm/m)          | 78.4 lm/ft (257.2 lm/m)            | 64.6 lm/ft (211.9 lm/m)          |                       |                         |      |      |
|                            |                   |                         | 3000K       | 123               | 84.9 lm/ft (278.5 lm/m)          | 78.4 lm/ft (257.2 lm/m)            | 64.6 lm/ft (211.9 lm/m)          |                       |                         |      |      |
|                            |                   |                         | 3500K       | 130               | 89.7 lm/ft (294.2 lm/m)          | 82.9 lm/ft (272 lm/m)              | 68.3 lm/ft (224 lm/m)            |                       |                         |      |      |
|                            |                   |                         | 4000K       | 134               | 92.5 lm/ft (303.4 lm/m)          | 85.4 lm/ft (280.1 lm/m)            | 70.4 lm/ft (230.9 lm/m)          |                       |                         |      |      |
|                            |                   |                         | 6000K       | 131               | 90.4 lm/ft (296.5 lm/m)          | 83.5 lm/ft (273.9 lm/m)            | 68.8 lm/ft (225.7 lm/m)          |                       |                         |      |      |
| 1.5 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 84                | 115.9 lm/ft (380.2 lm/m)         | 107.1 lm/ft (351.3 lm/m)           | 88.2 lm/ft (289.3 lm/m)          | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
|                            |                   |                         | 2000K       | 98                | 135.2 lm/ft (443.5 lm/m)         | 125 lm/ft (410 lm/m)               | 102.9 lm/ft (337.5 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 2200K       | 109               | 150.4 lm/ft (493.3 lm/m)         | 139 lm/ft (455.9 lm/m)             | 114.5 lm/ft (375.6 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 2400K       | 113               | 155.9 lm/ft (511.4 lm/m)         | 144.1 lm/ft (472.6 lm/m)           | 118.7 lm/ft (389.3 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 2700K       | 123               | 169.7 lm/ft (556.6 lm/m)         | 156.8 lm/ft (514.3 lm/m)           | 129.2 lm/ft (423.8 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 3000K       | 123               | 169.7 lm/ft (556.6 lm/m)         | 156.8 lm/ft (514.3 lm/m)           | 129.2 lm/ft (423.8 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 3500K       | 129               | 178 lm/ft (583.8 lm/m)           | 164.5 lm/ft (539.6 lm/m)           | 135.5 lm/ft (444.4 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 4000K       | 134               | 184.9 lm/ft (606.5 lm/m)         | 170.9 lm/ft (560.6 lm/m)           | 140.7 lm/ft (461.5 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 6000K       | 131               | 180.8 lm/ft (593 lm/m)           | 167 lm/ft (547.8 lm/m)             | 137.6 lm/ft (451.3 lm/m)         |                       |                         |      |      |
| 2.2 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 83                | 168 lm/ft (551 lm/m)             | 155.2 lm/ft (509.1 lm/m)           | 127.8 lm/ft (419.2 lm/m)         | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
|                            |                   |                         | 2000K       | 96                | 194.3 lm/ft (637.3 lm/m)         | 179.5 lm/ft (588.8 lm/m)           | 147.8 lm/ft (484.8 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 2200K       | 106               | 214.5 lm/ft (703.6 lm/m)         | 198.2 lm/ft (650.1 lm/m)           | 163.2 lm/ft (535.3 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 2400K       | 111               | 224.7 lm/ft (737 lm/m)           | 207.6 lm/ft (680.9 lm/m)           | 170.9 lm/ft (560.6 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 2700K       | 120               | 242.9 lm/ft (796.7 lm/m)         | 224.4 lm/ft (736 lm/m)             | 184.8 lm/ft (606.1 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 3000K       | 122               | 246.9 lm/ft (809.8 lm/m)         | 228.1 lm/ft (748.2 lm/m)           | 187.9 lm/ft (616.3 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 3500K       | 127               | 257 lm/ft (843 lm/m)             | 237.5 lm/ft (779 lm/m)             | 195.6 lm/ft (641.6 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 4000K       | 133               | 269.2 lm/ft (883 lm/m)           | 248.7 lm/ft (779 lm/m)             | 204.8 lm/ft (671.7 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 6000K       | 128               | 259.1 lm/ft (849.8 lm/m)         | 239.4 lm/ft (785.2 lm/m)           | 197.1 lm/ft (646.5 lm/m)         |                       |                         |      |      |
| 3.0 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 2400K       | 109.8             | 303.1 lm/ft (994.1 lm/m)         | 280.1 lm/ft (918.6 lm/m)           | 230.6 lm/ft (756.5 lm/m)         | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
|                            |                   |                         | 2700K       | 122.9             | 339.6 lm/ft (1114 lm/m)          | 313.5 lm/ft (1028.1 lm/m)          | 258.1 lm/ft (846.7 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 3000K       | 130               | 359.1 lm/ft (1177.9 lm/m)        | 331.4 lm/ft (1087.1 lm/m)          | 273 lm/ft (895.3 lm/m)           |                       |                         |      |      |
|                            |                   |                         | 3500K       | 133               | 367.5 lm/ft (1205.3 lm/m)        | 339.2 lm/ft (1112.4 lm/m)          | 279.3 lm/ft (916.1 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 4000K       | 133               | 367.5 lm/ft (1205.3 lm/m)        | 339.2 lm/ft (1112.4 lm/m)          | 279.3 lm/ft (916.1 lm/m)         |                       |                         |      |      |
|                            |                   |                         | 6000K       | 127               | 350.8 lm/ft (1150.5 lm/m)        | 323.7 lm/ft (1061.8 lm/m)          | 266.6 lm/ft (874.5 lm/m)         |                       |                         |      |      |
| 4.4 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 2400K       | 109               | 441.2 lm/ft (1447 lm/m)          | 407.7 lm/ft (1337.1 lm/m)          | 335.7 lm/ft (1101.2 lm/m)        | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
|                            |                   |                         | 2700K       | 122               | 494.4 lm/ft (1621.6 lm/m)        | 456.3 lm/ft (1496.6 lm/m)          | 375.8 lm/ft (1232.5 lm/m)        |                       |                         |      |      |
|                            |                   |                         | 3000K       | 129               | 522.8 lm/ft (1714.7 lm/m)        | 482.5 lm/ft (1582.5 lm/m)          | 397.3 lm/ft (1303.2 lm/m)        |                       |                         |      |      |
|                            |                   |                         | 3500K       | 132               | 534.9 lm/ft (1754.5 lm/m)        | 493.7 lm/ft (1619.3 lm/m)          | 406.6 lm/ft (1333.5 lm/m)        |                       |                         |      |      |
|                            |                   |                         | 4000K       | 132               | 534.9 lm/ft (1754.5 lm/m)        | 493.7 lm/ft (1619.3 lm/m)          | 406.6 lm/ft (1333.5 lm/m)        |                       |                         |      |      |
|                            |                   |                         | 6000K       | 126               | 510.6 lm/ft (1674.8 lm/m)        | 471.2 lm/ft (1545.7 lm/m)          | 388.1 lm/ft (1272.9 lm/m)        |                       |                         |      |      |
| 5.0 Static White Series 2  | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | 2400K       | 109.8             | 505.1 lm/ft (1656.8 lm/m)        | 466.8 lm/ft (1531 lm/m)            | 384.4 lm/ft (1260.8 lm/m)        | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
|                            |                   |                         | 2700K       | 122.9             | 566.1 lm/ft (1856.7 lm/m)        | 522.4 lm/ft (1713.6 lm/m)          | 430.2 lm/ft (1411.2 lm/m)        |                       |                         |      |      |
|                            |                   |                         | 3000K       | 130               | 598.5 lm/ft (1963.2 lm/m)        | 552.4 lm/ft (1811.9 lm/m)          | 454.9 lm/ft (1492.1 lm/m)        |                       |                         |      |      |
|                            |                   |                         | 3500K       | 133               | 612.5 lm/ft (2008.9 lm/m)        | 565.3 lm/ft (1854 lm/m)            | 465.5 lm/ft (1526.8 lm/m)        |                       |                         |      |      |
|                            |                   |                         | 4000K       | 133               | 612.5 lm/ft (2008.9 lm/m)        | 565.3 lm/ft (1854 lm/m)            | 465.5 lm/ft (1526.8 lm/m)        |                       |                         |      |      |
|                            |                   |                         | 6000K       | 127               | 584.6 lm/ft (1917.6 lm/m)        | 539.6 lm/ft (1769.7 lm/m)          | 444.3 lm/ft (1457.4 lm/m)        |                       |                         |      |      |



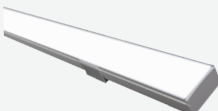
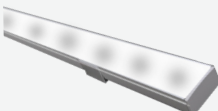
SPECIFICATIONS

| Available Wattages          | Cuttable Length      | LED Pitch                  | Color Temp.   | lm/W without Lens | Delivered Lumens with Clear Lens | Delivered Lumens with Frosted Lens | Delivered Lumens with Milky Lens | Standard Cable Length | Compatible with Channel |      |      |
|-----------------------------|----------------------|----------------------------|---------------|-------------------|----------------------------------|------------------------------------|----------------------------------|-----------------------|-------------------------|------|------|
|                             |                      |                            |               |                   |                                  |                                    |                                  |                       | IP20                    | IP65 | IP68 |
| 6.0 Static White Series 2   | 1.4 in.<br>(35.7 mm) | 68 LEDs/ft<br>(224 LEDs/m) | 2400K         | 109               | 601.6 lm/ft (1973.2 lm/m)        | 555.9 lm/ft (1823.4 lm/m)          | 457.8 lm/ft (1501.6 lm/m)        | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |
|                             |                      |                            | 2700K         | 122               | 674.2 lm/ft (2211.3 lm/m)        | 622.2 lm/ft (2040.8 lm/m)          | 512.4 lm/ft (1680.7 lm/m)        |                       |                         |      |      |
|                             |                      |                            | 3000K         | 129               | 712.9 lm/ft (2338.2 lm/m)        | 657.9 lm/ft (2157.9 lm/m)          | 541.8 lm/ft (1777.1 lm/m)        |                       |                         |      |      |
|                             |                      |                            | 3500K         | 132               | 729.4 lm/ft (2392.5 lm/m)        | 673.2 lm/ft (2208.1 lm/m)          | 554.4 lm/ft (1818.4 lm/m)        |                       |                         |      |      |
|                             |                      |                            | 4000K         | 132               | 612.5 lm/ft (2008.9 lm/m)        | 673.2 lm/ft (2208.1 lm/m)          | 554.4 lm/ft (1818.4 lm/m)        |                       |                         |      |      |
|                             |                      |                            | 6000K         | 126               | 696.3 lm/ft (2283.8 lm/m)        | 642.6 lm/ft (2107.7 lm/m)          | 529.2 lm/ft (1735.8 lm/m)        |                       |                         |      |      |
| 0.75 Static Color Series 2  | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | Red           | 41                | 28 lm/ft (93 lm/m)               | 26 lm/ft (86 lm/m)                 | 22 lm/ft (70.6 lm/m)             | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |
|                             |                      |                            | Green         | 175               | 121 lm/ft (396 lm/m)             | 112 lm/ft (366 lm/m)               | 92 lm/ft (301.4 lm/m)            |                       |                         |      |      |
|                             |                      |                            | Blue          | 19                | 13 lm/ft (43 lm/m)               | 12 lm/ft (40 lm/m)                 | 10 lm/ft (32.7 lm/m)             |                       |                         |      |      |
|                             |                      |                            | Amber         | 34                | 23 lm/ft (77 lm/m)               | 22 lm/ft (71 lm/m)                 | 18 lm/ft (58.6 lm/m)             |                       |                         |      |      |
| 1.5 Static Color Series 2   | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | Red           | 42                | 58 lm/ft (190 lm/m)              | 54 lm/ft (176 lm/m)                | 44 lm/ft (144.7 lm/m)            | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |
|                             |                      |                            | Green         | 160               | 221 lm/ft (724 lm/m)             | 204 lm/ft (669 lm/m)               | 168 lm/ft (551.1 lm/m)           |                       |                         |      |      |
|                             |                      |                            | Blue          | 18                | 25 lm/ft (81 lm/m)               | 23 lm/ft (75 lm/m)                 | 19 lm/ft (62 lm/m)               |                       |                         |      |      |
|                             |                      |                            | Amber         | 34                | 47 lm/ft (154 lm/m)              | 43 lm/ft (142 lm/m)                | 36 lm/ft (117.1 lm/m)            |                       |                         |      |      |
| 2.2 Static Color Series 2   | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | Red           | 42                | 85 lm/ft (279 lm/m)              | 79 lm/ft (258 lm/m)                | 65 lm/ft (212.2 lm/m)            | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |
|                             |                      |                            | Green         | 145               | 293 lm/ft (963 lm/m)             | 271 lm/ft (889 lm/m)               | 223 lm/ft (732.4 lm/m)           |                       |                         |      |      |
|                             |                      |                            | Blue          | 18                | 36 lm/ft (119 lm/m)              | 34 lm/ft (110 lm/m)                | 28 lm/ft (90.9 lm/m)             |                       |                         |      |      |
|                             |                      |                            | Amber         | 33                | 67 lm/ft (219 lm/m)              | 62 lm/ft (202 lm/m)                | 51 lm/ft (166.7 lm/m)            |                       |                         |      |      |
| 3.0 Static Color Series 2   | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | Red           | 40.0              | 110.4 lm/ft (362.1 lm/m)         | 102.0 lm/ft (334.6 lm/m)           | 84.0 lm/ft (275.52 lm/m)         | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |
|                             |                      |                            | Green         | 127.0             | 350.9 lm/ft (1151.0 lm/m)        | 323.9 lm/ft (1062.2 lm/m)          | 266.7 lm/ft (874.776 lm/m)       |                       |                         |      |      |
|                             |                      |                            | Blue          | 25.0              | 69.1 lm/ft (226.6 lm/m)          | 63.8 lm/ft (209.1 lm/m)            | 52.5 lm/ft (172.2 lm/m)          |                       |                         |      |      |
|                             |                      |                            | Amber         | 29.0              | 80.1 lm/ft (262.8 lm/m)          | 74.0 lm/ft (242.6 lm/m)            | 60.9 lm/ft (199.752 lm/m)        |                       |                         |      |      |
| 4.4 Static Color Series 2   | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | Red           | 38.0              | 153.8 lm/ft (504.5 lm/m)         | 142.1 lm/ft (466.2 lm/m)           | 117.0 lm/ft (383.8912 lm/m)      | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |
|                             |                      |                            | Green         | 117.0             | 474.1 lm/ft (1555.1 lm/m)        | 437.6 lm/ft (1435.3 lm/m)          | 360.4 lm/ft (1181.981 lm/m)      |                       |                         |      |      |
|                             |                      |                            | Blue          | 24.0              | 97.3 lm/ft (319.0 lm/m)          | 89.8 lm/ft (294.4 lm/m)            | 73.9 lm/ft (242.4576 lm/m)       |                       |                         |      |      |
|                             |                      |                            | Amber         | 25.0              | 101.3 lm/ft (332.2 lm/m)         | 93.5 lm/ft (306.7 lm/m)            | 77.0 lm/ft (252.56 lm/m)         |                       |                         |      |      |
| 5.0 Static Color Series 2   | 1.4 in.<br>(35.7 mm) | 68 LEDs/ft<br>(224 LEDs/m) | Red           | 37.0              | 170.2 lm/ft (558.2 lm/m)         | 157.3 lm/ft (515.8 lm/m)           | 129.5 lm/ft (424.76 lm/m)        | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |
|                             |                      |                            | Green         | 116.0             | 534.2 lm/ft (1752.1 lm/m)        | 493.0 lm/ft (1617.0 lm/m)          | 406.0 lm/ft (1331.68 lm/m)       |                       |                         |      |      |
|                             |                      |                            | Blue          | 24.0              | 110.5 lm/ft (362.5 lm/m)         | 102.0 lm/ft (334.6 lm/m)           | 84.0 lm/ft (275.52 lm/m)         |                       |                         |      |      |
|                             |                      |                            | Amber         | 26.0              | 119.7 lm/ft (392.7 lm/m)         | 110.5 lm/ft (362.4 lm/m)           | 91.0 lm/ft (298.48 lm/m)         |                       |                         |      |      |
| 6.0 Static Color Series 2   | 1.4 in.<br>(35.7 mm) | 68 LEDs/ft<br>(224 LEDs/m) | Red           | 37.0              | 204.2 lm/ft (669.8 lm/m)         | 188.7 lm/ft (618.9 lm/m)           | 155.4 lm/ft (509.712 lm/m)       | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |
|                             |                      |                            | Green         | 113.0             | 624.4 lm/ft (2048.2 lm/m)        | 576.3 lm/ft (1890.3 lm/m)          | 474.6 lm/ft (1556.688 lm/m)      |                       |                         |      |      |
|                             |                      |                            | Blue          | 23.0              | 127.1 lm/ft (416.9 lm/m)         | 117.3 lm/ft (384.8 lm/m)           | 96.6 lm/ft (316.9 lm/m)          |                       |                         |      |      |
|                             |                      |                            | Amber         | 24.0              | 132.6 lm/ft (435.0 lm/m)         | 122.4 lm/ft (401.6 lm/m)           | 100.8 lm/ft (330.7 lm/m)         |                       |                         |      |      |
| 1.0 Variable White Series 2 | 1.97 in.<br>(50 mm)  | 42 LEDs/ft<br>(140 LEDs/m) | 2000K + 6500K | 85.0              | 78.2 lm/ft (257 lm/m)            | 72.3 lm/ft (237 lm/m)              | 60 lm/ft (200 lm/m)              | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |
| 3.0 Variable White Series 2 | 1.97 in.<br>(50 mm)  | 42 LEDs/ft<br>(140 LEDs/m) | 2000K + 6500K | 80.0              | 220.8 lm/ft (725 lm/m)           | 205.0 lm/ft (670 lm/m)             | 168.0 lm/ft (551.2 lm/m)         | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |
| 6.0 Variable White Series 2 | 1.97 in.<br>(50 mm)  | 42 LEDs/ft<br>(140 LEDs/m) | 2000K + 6500K | 75.0              | 415 lm/ft (1,362 lm/m)           | 382.5 lm/ft (1255 lm/m)            | 315.0 lm/ft (1033.5 lm/m)        | 12 in.<br>(30.5 cm)   | ✓                       | ✓    |      |

**SPECIFICATIONS**

| Available Wattages | Cuttable Length     | LED Pitch               | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens               | Delivered Lumens with Frosted Lens             | Delivered Lumens with Milky Lens             | Standard Cable Length | Compatible with Channel |      |      |
|--------------------|---------------------|-------------------------|-------------|-------------------|------------------------------------------------|------------------------------------------------|----------------------------------------------|-----------------------|-------------------------|------|------|
|                    |                     |                         |             |                   |                                                |                                                |                                              |                       | IP20                    | IP65 | IP68 |
| 2.2 RGB            | 6.55 in. (166.4 mm) | 9 LEDs/ft (30 LEDs/m)   | RGB         | 37                | 74.9 lm/ft (245.6 lm/m)                        | 69.7 lm/ft (228.65 lm/m)<br>All LEDs at 100%   | 57.4 lm/ft (188.3 lm/m)<br>All LEDs at 100%  | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
| 4.4 RGB            | 3.94 in. (100 mm)   | 18 LEDs/ft (60 LEDs/m)  | RGB         | 37                | 149.8 lm/ft (491.3 lm/m)                       | 140.25 lm/ft (459.85 lm/m)<br>All LEDs at 100% | 115.5 lm/ft (378.7 lm/m)<br>All LEDs at 100% | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
| 8.8 RGB            | 1.97 in. (50 mm)    | 18 LEDs/ft (60 LEDs/m)  | RGB         | 37                | 302.68 lm/ft (992.68 lm/m)<br>All LEDs at 100% | 279.65 lm/ft (917.15 lm/m)<br>All LEDs at 100% | 230.3 lm/ft (755.3 lm/m)<br>All LEDs at 100% | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
| 4.4 RGBW           | 6.55 in. (166.4 mm) | 18 LEDs/ft (60 LEDs/m)  | RGBW        | 65                | 263.1 lm/ft (863 lm/m)                         | 243.95 lm/ft (799.85 lm/m)<br>All LEDs at 100% | 200.9 lm/ft (658.7 lm/m)<br>All LEDs at 100% | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
| 4.4 RGBA           | 6.55 in. (166.4 mm) | 18 LEDs/ft (60 LEDs/m)  | RGBA        | 33                | 133.6 lm/ft (438.1 lm/m)                       | 243.95 lm/ft (799.85 lm/m)<br>All LEDs at 100% | 200.9 lm/ft (658.7 lm/m)<br>All LEDs at 100% | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
| 5.5 4-in-1 RGBW    | 3.94 in. (100 mm)   | 18 LEDs/ft (60 LEDs/m)  | RGBW        | 51                | 305 lm/ft (1000.3 lm/m)                        | 237.15 lm/ft (777.75 lm/m)<br>All LEDs at 100% | 195.3 lm/ft (640.5 lm/m)<br>All LEDs at 100% | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
| 5.5 4-in-1 RGBA    | 3.94 in. (100 mm)   | 18 LEDs/ft (60 LEDs/m)  | RGBA        | 27                | 161.5 lm/ft (529.6 lm/m)                       | 237.15 lm/ft (777.75 lm/m)<br>All LEDs at 100% | 195.3 lm/ft (640.5 lm/m)<br>All LEDs at 100% | 12 in. (30.5 cm)      | ✓                       | ✓    |      |
| 5.2 Warm Dim       | 3.94 in. (100 mm)   | 36 LEDs/ft (120 LEDs/m) | WARM DIM    | 55                | 263.1 lm/ft (863 lm/m)                         | 244.8 lm/ft (803.25 lm/m)                      | 201.6 lm/ft (661.5 lm/m)                     | 12 in. (30.5 cm)      | ✓                       | ✓    |      |

**DIODE VISIBILITY CHART** (Data below applies to installations with Milky lens only)

|  <div>No Visible Diode = N</div> |              |              |  <div>With Visible Diode = Y</div> |              |              |              |                   |              |                |
|---------------------------------------------------------------------------------------------------------------------|--------------|--------------|------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|-------------------|--------------|----------------|
| Static White & Static Color RibbonLyte                                                                              |              |              | Color Changing RibbonLyte                                                                                              |              |              |              |                   |              |                |
| 0.75/1.5/2.2                                                                                                        | 3.0/4.4      | 5.0/6.0      | 2.2 RGB                                                                                                                | 4.4 RGB      | 8.8 RGB      | 4.4 RGBW/A   | 5.5 4-in-1 RGBW/A | Warm Dim     | Variable White |
| IP20<br>IP65                                                                                                        | IP20<br>IP65 | IP20<br>IP65 | IP20<br>IP65                                                                                                           | IP20<br>IP65 | IP20<br>IP65 | IP20<br>IP65 | IP20<br>IP65      | IP20<br>IP65 | IP20<br>IP65   |
| Y                                                                                                                   | Y            | Y            | Y                                                                                                                      | Y            | Y            | Y            | Y                 | Y            | Y              |

## AVAILABLE DRIVERS

### NON-DIMMING ELECTRONIC DRIVERS



#### 30W, 60W, 96W Non-Dimming Electronic Class 2 Drivers

Part No.:

- DRVW2430 (30 Watt)
- DRVW2460 (60 Watt)
- DRVW2496 (96 Watt)

Output Voltage: 24 V  
Voltage Range: 120-277 VAC  
IP Rating: Dry or Damp  
UL Listed



#### 240W, 320W Non-Dimming Electronic Drivers

Part No.:

- DRVW24240 (240 Watt)
- DRVW24320 (320 Watt)

Output Voltage: 24 V  
Voltage Range: 90-305 VAC  
IP Rating: Dry or Damp  
UL Recognized



#### 40W Lutron Hi-Lume 1% Dimming Class 2 Drivers

Part No.:

- DRVLUT24403W (40 Watt, 3-wire)
- DRVLUT24402W (40 Watt, 2-wire)

Output Voltage: 24 V  
Voltage Range: 120-277 VAC (3-wire model)  
or 120V (2-wire model)  
IP Rating: Dry or Damp  
Dimmable using 2-wire forward phase,  
3-wire+G or digital EcoSystem  
UL Listed



#### 96W Lutron Hi-Lume Premier 0.1% Dimming Class 2 Driver

Part No.:

- DRVLUT24963W (96 Watt, 3-wire)

Output Voltage: 24 V  
Voltage Range: 120-277 VAC  
IP Rating: Dry or Damp  
Dimmable using 3-wire+G or digital EcoSystem  
0.1% dimming SoftOn/FadeToBlack  
with EcoSystem  
UL Listed

### MAGNETIC, ELV & MLV DRIVERS WITH COMPATIBLE DIMMERS



120 VAC

#### 60W, 96W, 200W, 300W Class 1 & 2 Magnetic Drivers

Part No.:

- DRVWDIM2460 (60 Watt)
- DRVWDIM24100 (96 Watt)
- DRVWDIM24200 (200 Watt)
- DRVWDIM24300 (300 Watt)

Magnetic Driver  
Output Voltage: 24 V  
Voltage Range: 120 VAC  
IP Rating: Dry or Damp  
Forward Phase Dimming  
ETL Listed



277 VAC

#### 60W, 96W, 200W, 300W Class 1 & 2 Magnetic Drivers

Part No.:

- DRVWDIM2460277 (60 Watt)
- DRVWDIM24100277 (96 Watt)
- DRVWDIM24200277 (200 Watt)
- DRVWDIM24300277 (300 Watt)

Magnetic Driver  
Output Voltage: 24 V  
Voltage Range: 277 VAC  
IP Rating: Dry or Damp  
Forward Phase Dimming  
ETL Listed



#### 60W, 96W, 150W, 200W ELV & MLV Drivers

Part No.:

- DRVW2460ELV (60 Watt)
- DRVW2496ELV (96 Watt)
- DRVW24150ELV (150 Watt)
- DRVW24200ELV (200 Watt)

Line Voltage Dimmable Drivers  
Output Voltage: 24 V  
Voltage Range: 100-130 VAC  
IP Rating: Dry or Damp  
Dimmable  
ETL, UL and CSA Listed



#### LUTRON Skylark Contour Dimmer

Part No.: TRIDIMSKY  
Width: 2.94 in (75 mm)  
Length: 4.69 in (120 mm)  
Depth: 0.30 in (7.6 mm)

- Single pole and 3-way versions
- Compatible with Acolyte MLV drivers
- Slide adjusts brightness and On/Off control
- 30 mA max control current
- Available in white finish



#### LUTRON NOVA-T Dimmer

Part No.: TRIDIMNOVA  
Width: 2.75 in (70 mm)  
Length: 4.56 in (116 mm)  
Depth: 0.30 in (7.6 mm)

- Slide adjusts brightness and On/Off control
- 30 mA max control current
- Available in white finish



#### LUTRON DIVA Dimmer

Part No.: TRIDIMDIVA  
(With Locator Light) TRIDIMDIVAL  
Width: 2.94 in (75 mm)  
Length: 4.69 in (120 mm)  
Depth: 0.30 in (7.6 mm)

- Large paddle switch with a captive linear-slide dimmer
- 30 mA max control current
- Available in white finish
- Available with locator light which glows green when the switch is off

Note: For more options, please reference the Optional Dimmer List on Acolyte product website page.

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

0-10V DRIVERS AND DIMMERS

DIMMING MODULE



0-10V Dimmable Waterproof Drivers

**96W** Part No.: DRVW249610P  
**288W** Part No.: DRVW2428810P  
Output Voltage: 24 V (+/- 0.5V)  
Voltage Range: 100-277 VAC  
Environmental Rating: UL Wet Location  
UL Listed



LUTRON DIVA Dimmer

Part No.: LVDIMDIVA  
Width: 2.94 in (75 mm)  
Length: 4.69 in (120 mm)  
Depth: 0.30 in (7.6 mm)

- Compatible with 0-10 V Dimming Module
- Large paddle switch with a captive linear-slide dimmer
- 30 mA max control current
- Available in white finish



LUTRON NOVA-T Dimmer

Part No.: LVDIMNOVA  
Width: 2.75 in (70 mm)  
Length: 4.56 in (116 mm)  
Depth: 0.30 in (7.6 mm)

- Compatible with 0-10 V Dimming Module
- Slide adjusts brightness and On/Off control
- 30 mA max control current
- Available in white finish



Variable White Dimming Module

- Part No.: VWDIMMOD
- 1 dimming module required per 30 ft (9.1 m)
  - This product is only compatible with Variable White RibbonLyte, not Variable White Amber or Variable White Red. Works with any 0-10V dimmers to provide CCT change with one dimmer and brightness change with the other.

Note: Max length before additional power is introduced

DMX CONTROLLER AND PART NUMBER - FOR COLOR CHANGING VERSIONS



GLASS TOUCH  
WALL CONTROLLER

Part Number: AWCRGBWW  
AWCVWW



1 ZONE WALL CONTROLLER

Part Number: DMXCTRLG



5 ZONE WALL CONTROLLER

Part Number: DMXCTRL



10 ZONE WALL CONTROLLER

Part Number: DMXCTRLD



4 CHANNEL WATERPROOF  
DMX INTERFACE

Part Number: DMXINFWLCD4



5 CHANNEL  
DMX INTERFACE

Part Number: DMXINFLCD5



DMX OPTO SPLITTER

Part Number: DMXOS8

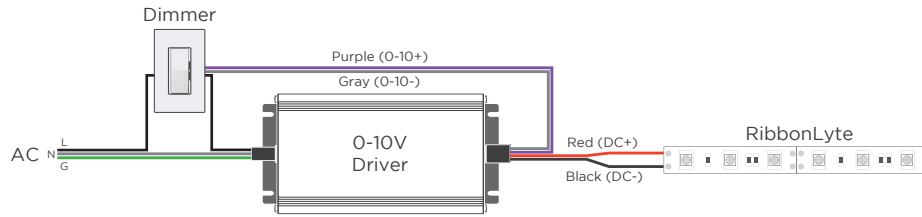
DRIVER AND RIBBONLYTE AT FULL LOAD

| Wattages   | 30   |        | 60   |        | 96   |        | 150  |        | 200  |        | 240  |        | 300  |        | 320  |        |
|------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| Wire Gauge | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters |
| 24 AWG     | 14   | 4.27   | 9    | 2.74   | 5.5  | 1.68   | 3.75 | 1.14   | 2.75 | 0.84   | 2.25 | 0.69   | 1.75 | 0.53   | 1.75 | 0.53   |
| 22 AWG     | 22   | 6.71   | 14   | 4.27   | 9    | 2.74   | 5.75 | 1.75   | 4.5  | 1.37   | 3.5  | 1.07   | 2.75 | 0.84   | 2.75 | 0.84   |
| 20 AWG     | 35   | 10.67  | 23   | 7.01   | 14   | 4.27   | 9    | 2.74   | 7    | 2.13   | 5.75 | 1.75   | 4.5  | 1.37   | 4.25 | 1.30   |
| 18 AWG     | 56   | 17.07  | 37   | 11.28  | 23   | 7.01   | 15   | 4.57   | 11   | 3.35   | 9    | 2.74   | 7.5  | 2.29   | 7    | 2.13   |
| 16 AWG     | 90   | 27.44  | 60   | 18.29  | 37   | 11.28  | 24   | 7.32   | 18   | 5.49   | 15   | 4.57   | 12   | 3.66   | 11   | 3.35   |
| 14 AWG     | 142  | 43.29  | 95   | 28.96  | 59   | 17.99  | 38   | 11.59  | 28   | 8.54   | 23   | 7.01   | 19   | 5.79   | 17   | 5.18   |
| 12 AWG     | 226  | 68.90  | 151  | 46.04  | 94   | 28.66  | 60   | 18.29  | 45   | 13.72  | 37   | 11.28  | 30   | 9.15   | 28   | 8.54   |
| 10 AWG     | 360  | 109.76 | 240  | 73.17  | 150  | 45.73  | 96   | 29.27  | 72   | 21.95  | 60   | 18.29  | 48   | 14.63  | 45   | 13.72  |
| 8 AWG      | 574  | 175.00 | 381  | 116.16 | 239  | 72.87  | 153  | 46.65  | 115  | 35.06  | 95   | 28.96  | 76   | 23.17  | 71   | 21.65  |

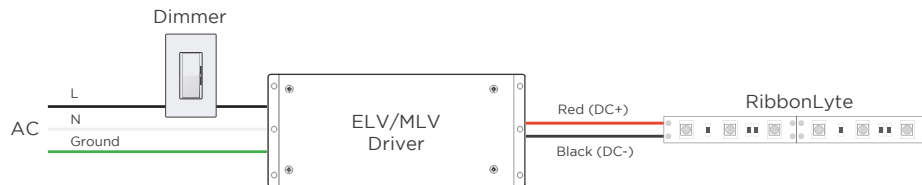


## WIRING DIAGRAMS

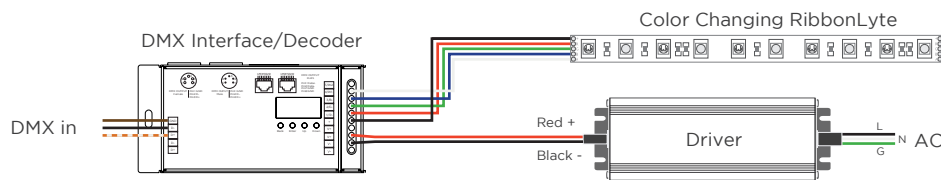
### 0-10V



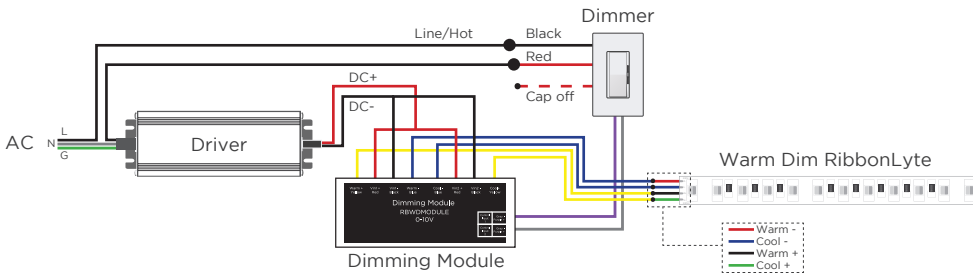
### MLV / ELV



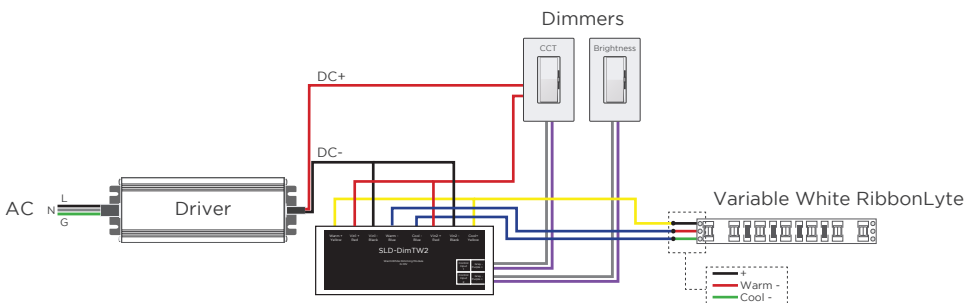
### DMX



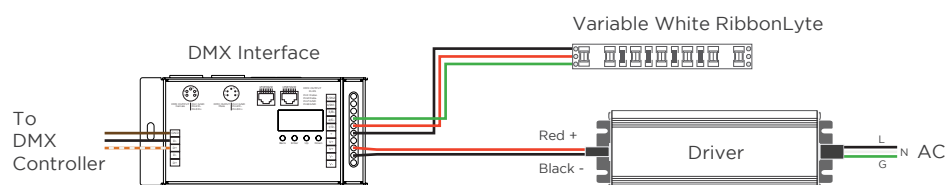
### WARM DIM



### 2-CHANNEL VARIABLE WHITE DIMMING



### DMX WIRING DIAGRAM - COMPATIBLE WITH ALL MODELS OF VARIABLE WHITE RIBBONLYTE



### WIRE COLORS PER RIBBONLYTE COLOR

#### STATIC WHITE + STATIC COLOR

Red Wire (+) Positive  
Black Wire (-) Negative

#### RGB

Black Wire (+) Positive  
Red Wire (-) goes to Red Channel  
Green Wire (-) goes to Green Channel  
Blue Wire (-) goes to Blue Channel

#### RGBW/A

Black Wire (+) Positive  
Red Wire (-) goes to Red Channel  
Green Wire (-) goes to Green Channel  
Blue Wire (-) goes to Blue Channel  
White Wire (-) goes to White Channel

#### WARM DIM

Red Wire (-) goes to Warm White Channel  
Blue Wire (-) goes to Cool White Channel  
Black Wire (+) goes to Warm White Channel  
Green Wire (+) goes to Cool White Channel

#### VARIABLE WHITE

Black Wire (+) Positive  
Red Wire (-) goes to Warm White Channel  
Green Wire (-) goes to Cool White Channel