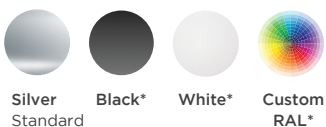


## ROUND12 CHANNEL FIXTURE

The ROUND12 fixture is a circular multi-purpose aluminum extrusion for decorative lighting in walls and furniture. Install vertically or horizontally with several distinct mounting options. Create a custom fixture with ROUND12 and our RibbonLyte products.

- Available for field assembly or factory assembly
- 0.79 in. (20 mm) wide by 0.67 in. (17 mm) deep
- 100-degree beam angle
- Wattage Range from 0.75 W/ft (2.46 W/m) to 8.8 W/ft (28.9 W/m)
- Static White delivered lumen range from 44 lm/ft (145 lm/m) up to 737 lm/ft (2417 lm/m)
- Clear Lens, Milky Lens or Black Lens
- Suitable for use in closets with RibbonLyte (6.0 W/ft and less)

## HOUSING FINISHES



\*Additional fee applies

## LENS FINISHES



\*\*Our black lens offers great diffusion and helps hide fixtures that aren't in use.

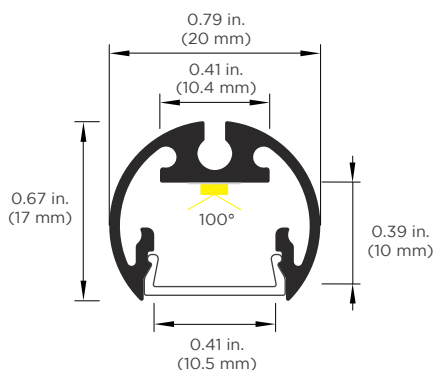


## AVAILABLE COLORS & COLOR TEMPERATURES



## DIMENSIONS

### ROUND12 Channel

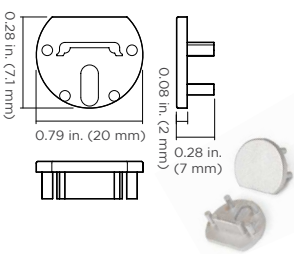
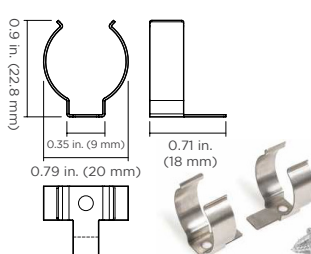
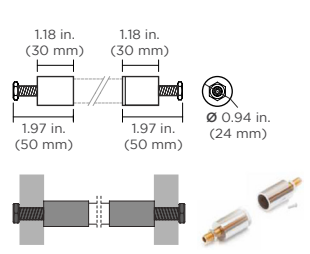
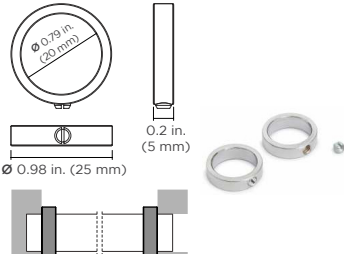
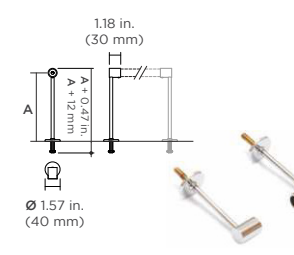
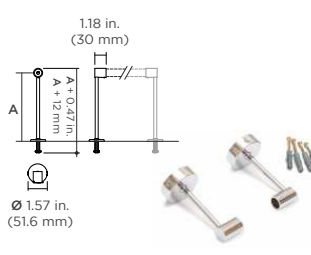
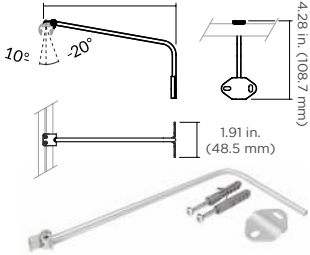
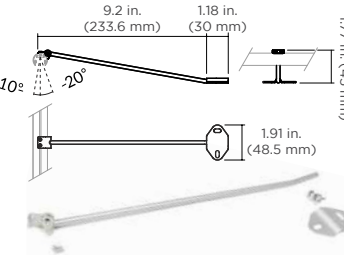


**Width:** 0.79 in. (20 mm)  
**Height:** 0.67 in. (17 mm)  
**Internal Width:** 0.41 in. (10.4 mm)  
**Internal Height:** 0.39 in. (10 mm)

## SPECIFICATIONS

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Beam Angle</b>              | 100°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Lens Type</b>               | Clear Lens, Milky Lens, Black Lens                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Length</b>                  | Channel is sold by the foot and cut to your exact desired length                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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, RGBW, RGBWW, RGBA, VW, Warm Dim (1800K, 2000K, 2200K only available in IP20)                                                                                                                                                                                                                                                                                                                                            |
| <b>CRI</b>                     | 90+ CRI (Static white only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <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 Luminaries;<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<br>Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5). |

## ACCESSORIES (SEE PART NUMBERS AT STEP 4 ON PAGE 3)

|                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>End Caps</b><br> <p>Diagram shows a circular end cap with a diameter of 0.79 in. (20 mm) and a height of 0.28 in. (7.1 mm). A side view shows a mounting tab with a height of 0.08 in. (2 mm) and a width of 0.28 in. (7 mm). A photo shows the physical end cap and its mounting tab.</p> | <b>Stainless Steel Mounting Clip</b><br> <p>Diagram shows a U-shaped clip with a height of 0.9 in. (22.8 mm), a width of 0.35 in. (9 mm), and a mounting tab height of 0.71 in. (18 mm). A photo shows the physical clip and its mounting tab.</p> | <b>Rod Mount</b><br> <p>Diagram shows a rod mount with a diameter of 1.18 in. (30 mm) and a length of 1.97 in. (50 mm). A photo shows the physical rod mount and its mounting tab.</p>                                                      | <b>Ring Holder</b><br> <p>Diagram shows a ring holder with a diameter of 0.79 in. (20 mm) and a length of 0.2 in. (5 mm). A photo shows the physical ring holder and its mounting tab.</p>                                             |
| <b>Chrome Rod Extension Arm with Thread</b><br> <p>Diagram shows a chrome rod extension arm with a diameter of 1.18 in. (30 mm) and a length of 1.57 in. (40 mm). A photo shows the physical rod extension arm and its mounting tab.</p>                                                      | <b>Chrome Rod Extension Arm</b><br> <p>Diagram shows a chrome rod extension arm with a diameter of 1.18 in. (30 mm) and a length of 1.57 in. (51.6 mm). A photo shows the physical rod extension arm and its mounting tab.</p>                     | <b>Wall-mounted Extension Arm</b><br> <p>Diagram shows a wall-mounted extension arm with a diameter of 1.18 in. (30 mm) and a length of 1.91 in. (48.5 mm). A photo shows the physical wall-mounted extension arm and its mounting tab.</p> | <b>Top-mounted Extension Arm</b><br> <p>Diagram shows a top-mounted extension arm with a diameter of 1.18 in. (30 mm) and a length of 1.57 in. (45 mm). A photo shows the physical top-mounted extension arm and its mounting tab.</p> |

**Note:**  
Exterior channel applications should be securely attached to the mounting surface with appropriate screws and/or liquid nails. Acolyte strongly recommends field assembly for exterior applications. Use mounting clips for interior applications only.

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## ORDERING GUIDE

### STEP 1 Complete Channel Part Number

| CHANNEL                     | LENS                                                | HOUSING COLOR                                                                |
|-----------------------------|-----------------------------------------------------|------------------------------------------------------------------------------|
| <b>CHROUND12</b>            |                                                     |                                                                              |
| CHROUND12 - ROUND12 Channel | C - Clear Lens    BK - Black Lens<br>M - Milky Lens | SV - Silver    WH - White<br>BK - Black    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<br>90 - 90+ CRI Static White | SWS220 - Static White Series 2 IP20    RGBWS220 - RGBW Series 2 IP20    VWS220 - VW Series 2 IP20<br>SWS265 - Static White Series 2 IP65    RGBWS265 - RGBW Series 2 IP65    VWS265 - VW Series 2 IP65<br>SCS220 - Static Color Series 2 IP20    RGBWA20 - RGBW/A IP20    WD20 - Warm Dim IP20<br>SCS265 - Static Color Series 2 IP65    RGBWA65 - RGBW/A IP65    WD65 - Warm Dim IP65<br>RGBWW20 - RGBWW 5-in-1 IP20 |

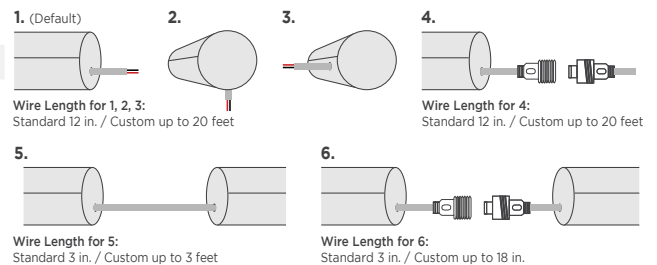
**NOTE:** To ensure waterproofing standards are met, IP65 RibbonLyte can NOT be cut in the field.

| WATTAGE                                                                   | COLOR                                                               |
|---------------------------------------------------------------------------|---------------------------------------------------------------------|
| 0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)                  | 18 - 1800K    B - Blue                                              |
| 1.0 - 1.0 W/ft (3.3 W/m - Variable White)                                 | 20 - 2000K    RGB27 - Red, Green, Blue + 2700K                      |
| 1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)                     | 22 - 2200K    RGB30 - Red, Green, Blue + 3000K                      |
| 2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)                     | 24 - 2400K    RGB40 - Red, Green, Blue + 4000K                      |
| 3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White)     | 27 - 2700K    RGB60 - Red, Green, Blue + 6000K                      |
| 4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA) | 30 - 3000K    RGB2465 - Red, Green, Blue + 2400K + 6500K            |
| 5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)                                      | 35 - 3500K    RGBA - Red, Green, Blue + Amber                       |
| 5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)                    | 40 - 4000K    VW - Variable White                                   |
| 5.5 - 5.5 W/ft (18.0 W/m - RGBW, RGBA)                                    | 60 - 6000K    2920 - Warm Dim 2900K-2000K (IP20)                    |
| 6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White)    | R - Red    2721 - Warm Dim 2900K-2000K (IP65)                       |
| 8.8 - 8.8 W/ft (28.86 W/m - RGBW, RGBWW)                                  | A - Amber    Z - Undecided**                                        |
|                                                                           | G - Green    ** For quotes only. Must be chosen before final order. |

#### CONNECTION OPTIONS (See diagrams on the right)

- 1 - End Feed Bare Wire Connection
- 2 - Back Feed Bare Wire Connection
- 3 - Side Feed Bare Wire Connection
- 4 - End Feed with IP67 Male Coupler
- 5 - Soldered Daisy Chain
- 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)   |
|------------------------|-----------------------------------------------------------------|
| FI - Field Assembly    |                                                                 |
| FA - Factory Assembly* | * Factory assembly is not recommended for exterior applications |

### STEP 4 Add Accessories

| ACCESSORIES                                       |                                                 |                                                                     |
|---------------------------------------------------|-------------------------------------------------|---------------------------------------------------------------------|
| CHFLEXCLIPRND12ST - Stainless Steel Mounting Clip | CHTOPRND12SV - Silver Top-mount Extension Arm   | CHEXTTHREAD100RND12 - Chrome Rod Extension Arm with Thread (100 mm) |
| CHRINGRND12 - Ring Holder                         | CHTOPRND12BK - Black Top-mount Extension Arm    | CHEXTTHREAD200RND12 - Chrome Rod Extension Arm with Thread (200 mm) |
| CHRODMNTRND12 - Rod Mount                         | CHTOPRND12WH - White Top-mount Extension Arm    | CHEXTTHREAD300RND12 - Chrome Rod Extension Arm with Thread (300 mm) |
| CHEXT100RND12 - Chrome Rod Extension Arm (100 mm) | CHWALLRND12SV - Silver Wall-mount Extension Arm |                                                                     |
| CHEXT200RND12 - Chrome Rod Extension Arm (200 mm) | CHWALLRND12BK - Black Wall-mount Extension Arm  |                                                                     |
| CHEXT300RND12 - Chrome Rod Extension Arm (300 mm) | CHWALLRND12WH - White Wall-mount Extension Arm  |                                                                     |

## SPECIFICATIONS

| Available Wattages         | Cutttable Length  | LED Pitch               | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens (lm/ft / lm/m) | Delivered Lumens with Milky Lens (lm/ft / lm/m) | Delivered Lumens with Black Lens (lm/ft / lm/m) | Max 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                | 59 / 192                                        | 47 / 155                                        | 44 / 145                                        | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)         | ✓                       | ✓    |      |
|                            |                   |                         | 2000K       | 99                | 69 / 227                                        | 56 / 183                                        | 52 / 171                                        |                                                    |                         |      |      |
|                            |                   |                         | 2200K       | 109               | 76 / 249                                        | 61 / 201                                        | 57 / 188                                        |                                                    |                         |      |      |
|                            |                   |                         | 2400K       | 113               | 79 / 259                                        | 64 / 209                                        | 59 / 195                                        |                                                    |                         |      |      |
|                            |                   |                         | 2700K       | 123               | 86 / 281                                        | 69 / 227                                        | 65 / 212                                        |                                                    |                         |      |      |
|                            |                   |                         | 3000K       | 123               | 86 / 281                                        | 69 / 227                                        | 65 / 212                                        |                                                    |                         |      |      |
|                            |                   |                         | 3500K       | 130               | 91 / 297                                        | 73 / 240                                        | 68 / 224                                        |                                                    |                         |      |      |
|                            |                   |                         | 4000K       | 134               | 93 / 307                                        | 75 / 247                                        | 70 / 231                                        |                                                    |                         |      |      |
|                            |                   |                         | 6000K       | 131               | 91 / 300                                        | 74 / 242                                        | 69 / 226                                        |                                                    |                         |      |      |
| 1.5 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 84                | 117 / 384                                       | 95 / 310                                        | 88 / 289                                        | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)         | ✓                       | ✓    |      |
|                            |                   |                         | 2000K       | 98                | 137 / 384                                       | 110 / 362                                       | 103 / 338                                       |                                                    |                         |      |      |
|                            |                   |                         | 2200K       | 109               | 152 / 499                                       | 123 / 402                                       | 114 / 375                                       |                                                    |                         |      |      |
|                            |                   |                         | 2400K       | 113               | 158 / 517                                       | 127 / 417                                       | 119 / 389                                       |                                                    |                         |      |      |
|                            |                   |                         | 2700K       | 123               | 172 / 563                                       | 138 / 454                                       | 129 / 424                                       |                                                    |                         |      |      |
|                            |                   |                         | 3000K       | 123               | 172 / 563                                       | 138 / 454                                       | 129 / 424                                       |                                                    |                         |      |      |
|                            |                   |                         | 3500K       | 129               | 180 / 590                                       | 145 / 476                                       | 135 / 444                                       |                                                    |                         |      |      |
|                            |                   |                         | 4000K       | 134               | 187 / 613                                       | 151 / 495                                       | 141 / 462                                       |                                                    |                         |      |      |
|                            |                   |                         | 6000K       | 131               | 183 / 600                                       | 147 / 484                                       | 138 / 451                                       |                                                    |                         |      |      |
| 2.2 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 83                | 170 / 557                                       | 137 / 449                                       | 128 / 419                                       | IP20: 42 ft (12.8 m)<br>IP65: 32.8 ft (10 m)       | ✓                       | ✓    |      |
|                            |                   |                         | 2000K       | 96                | 196 / 644                                       | 158 / 520                                       | 148 / 485                                       |                                                    |                         |      |      |
|                            |                   |                         | 2200K       | 106               | 217 / 712                                       | 175 / 574                                       | 163 / 536                                       |                                                    |                         |      |      |
|                            |                   |                         | 2400K       | 111               | 227 / 745                                       | 183 / 601                                       | 171 / 561                                       |                                                    |                         |      |      |
|                            |                   |                         | 2700K       | 120               | 246 / 806                                       | 198 / 650                                       | 185 / 606                                       |                                                    |                         |      |      |
|                            |                   |                         | 3000K       | 122               | 250 / 819                                       | 201 / 660                                       | 188 / 616                                       |                                                    |                         |      |      |
|                            |                   |                         | 3500K       | 127               | 260 / 852                                       | 210 / 687                                       | 196 / 642                                       |                                                    |                         |      |      |
|                            |                   |                         | 4000K       | 133               | 272 / 893                                       | 219 / 720                                       | 205 / 672                                       |                                                    |                         |      |      |
|                            |                   |                         | 6000K       | 128               | 262 / 859                                       | 211 / 693                                       | 197 / 647                                       |                                                    |                         |      |      |
| 3.0 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 84                | 234 / 769                                       | 189 / 620                                       | 176 / 579                                       | IP20: 36 ft (11 m)<br>IP65: 32.8 ft (10 m)         | ✓                       | ✓    |      |
|                            |                   |                         | 2000K       | 98                | 273 / 897                                       | 221 / 723                                       | 206 / 675                                       |                                                    |                         |      |      |
|                            |                   |                         | 2200K       | 108               | 301 / 989                                       | 243 / 797                                       | 227 / 744                                       |                                                    |                         |      |      |
|                            |                   |                         | 2400K       | 109.8             | 306 / 1005                                      | 247 / 811                                       | 231 / 756                                       |                                                    |                         |      |      |
|                            |                   |                         | 2700K       | 122.9             | 343 / 1125                                      | 277 / 907                                       | 258 / 847                                       |                                                    |                         |      |      |
|                            |                   |                         | 3000K       | 130               | 363 / 1190                                      | 293 / 960                                       | 273 / 896                                       |                                                    |                         |      |      |
|                            |                   |                         | 3500K       | 133               | 371 / 1217                                      | 299 / 982                                       | 279 / 916                                       |                                                    |                         |      |      |
|                            |                   |                         | 4000K       | 133               | 371 / 1217                                      | 299 / 982                                       | 279 / 916                                       |                                                    |                         |      |      |
|                            |                   |                         | 6000K       | 128               | 357 / 1172                                      | 288 / 945                                       | 269 / 882                                       |                                                    |                         |      |      |
| 4.4 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 81                | 331 / 1087                                      | 267 / 877                                       | 249 / 818                                       | 28 ft 4 in. (8.64 m)                               | ✓                       | ✓    |      |
|                            |                   |                         | 2000K       | 95                | 389 / 1275                                      | 314 / 1029                                      | 293 / 960                                       |                                                    |                         |      |      |
|                            |                   |                         | 2200K       | 105               | 430 / 1410                                      | 347 / 1137                                      | 323 / 1061                                      |                                                    |                         |      |      |
|                            |                   |                         | 2400K       | 109               | 446 / 1463                                      | 360 / 1180                                      | 336 / 1101                                      |                                                    |                         |      |      |
|                            |                   |                         | 2700K       | 122               | 499 / 1638                                      | 403 / 1321                                      | 376 / 1233                                      |                                                    |                         |      |      |
|                            |                   |                         | 3000K       | 129               | 528 / 1732                                      | 426 / 1397                                      | 397 / 1304                                      |                                                    |                         |      |      |
|                            |                   |                         | 3500K       | 132               | 540 / 1772                                      | 436 / 1429                                      | 407 / 1334                                      |                                                    |                         |      |      |
|                            |                   |                         | 4000K       | 132               | 540 / 1772                                      | 436 / 1429                                      | 407 / 1334                                      |                                                    |                         |      |      |
|                            |                   |                         | 6000K       | 126               | 516 / 1692                                      | 416 / 1364                                      | 388 / 1273                                      |                                                    |                         |      |      |
| 5.0 Static White Series 2  | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | 1800K       | 83                | 386 / 1266                                      | 311 / 1021                                      | 291 / 953                                       | IP20: 33 ft 4 in. (10.1 m)<br>IP65: 32.8 ft (10 m) | ✓                       | ✓    |      |
|                            |                   |                         | 2000K       | 98                | 456 / 1495                                      | 368 / 1206                                      | 343 / 1125                                      |                                                    |                         |      |      |
|                            |                   |                         | 2200K       | 107               | 498 / 1632                                      | 401 / 1316                                      | 375 / 1229                                      |                                                    |                         |      |      |
|                            |                   |                         | 2400K       | 110               | 511 / 1675                                      | 412 / 1351                                      | 384 / 1261                                      |                                                    |                         |      |      |
|                            |                   |                         | 2700K       | 123               | 571 / 1875                                      | 461 / 1512                                      | 430 / 1411                                      |                                                    |                         |      |      |
|                            |                   |                         | 3000K       | 130               | 605 / 1983                                      | 488 / 1599                                      | 455 / 1493                                      |                                                    |                         |      |      |
|                            |                   |                         | 3500K       | 133               | 618 / 2029                                      | 499 / 1636                                      | 466 / 1527                                      |                                                    |                         |      |      |
|                            |                   |                         | 4000K       | 133               | 618 / 2029                                      | 499 / 1636                                      | 466 / 1527                                      |                                                    |                         |      |      |
|                            |                   |                         | 6000K       | 127               | 591 / 1937                                      | 476 / 1562                                      | 445 / 1458                                      |                                                    |                         |      |      |

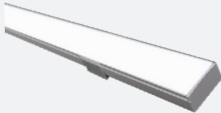
## SPECIFICATIONS

| Available Wattages          | Cuttable Length   | LED Pitch               | Color Temp.   | lm/W without Lens | Delivered Lumens with Clear Lens (lm/ft / lm/m) | Delivered Lumens with Milky Lens (lm/ft / lm/m) | Delivered Lumens with Black Lens (lm/ft / lm/m) | Max Length                                   | Compatible with Channel |      |      |
|-----------------------------|-------------------|-------------------------|---------------|-------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|----------------------------------------------|-------------------------|------|------|
|                             |                   |                         |               |                   |                                                 |                                                 |                                                 |                                              | IP20                    | IP65 | IP68 |
| 6.0 Static White Series 2   | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | 1800K         | 82                | 458 / 1501                                      | 369 / 1211                                      | 344 / 1130                                      | 28 ft (8.5 m)                                | ✓                       | ✓    |      |
|                             |                   |                         | 2000K         | 95                | 530 / 1739                                      | 428 / 1403                                      | 399 / 1309                                      |                                              |                         |      |      |
|                             |                   |                         | 2200K         | 106               | 591 / 1941                                      | 477 / 1565                                      | 445 / 1461                                      |                                              |                         |      |      |
|                             |                   |                         | 2400K         | 109               | 608 / 1995                                      | 491 / 1609                                      | 458 / 1502                                      |                                              |                         |      |      |
|                             |                   |                         | 2700K         | 122               | 681 / 2233                                      | 549 / 1801                                      | 512 / 1681                                      |                                              |                         |      |      |
|                             |                   |                         | 3000K         | 129               | 720 / 2362                                      | 581 / 1905                                      | 542 / 1778                                      |                                              |                         |      |      |
|                             |                   |                         | 3500K         | 132               | 737 / 2417                                      | 594 / 1949                                      | 554 / 1819                                      |                                              |                         |      |      |
|                             |                   |                         | 4000K         | 132               | 737 / 2417                                      | 594 / 1949                                      | 554 / 1819                                      |                                              |                         |      |      |
|                             |                   |                         | 6000K         | 126               | 703 / 2307                                      | 567 / 1860                                      | 529 / 1736                                      |                                              |                         |      |      |
| 0.75 Static Color Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 41                | 29 / 94                                         | 23 / 76                                         | 22 / 71                                         | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)   | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 175               | 122 / 400                                       | 98 / 323                                        | 92 / 301                                        |                                              |                         |      |      |
|                             |                   |                         | Blue          | 19                | 13 / 43                                         | 11 / 35                                         | 10 / 33                                         |                                              |                         |      |      |
|                             |                   |                         | Amber         | 34                | 24 / 78                                         | 19 / 63                                         | 18 / 59                                         |                                              |                         |      |      |
| 1.5 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 42                | 59 / 192                                        | 47 / 155                                        | 44 / 145                                        | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)   | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 160               | 223 / 732                                       | 180 / 591                                       | 168 / 551                                       |                                              |                         |      |      |
|                             |                   |                         | Blue          | 18                | 25 / 82                                         | 20 / 66                                         | 19 / 62                                         |                                              |                         |      |      |
|                             |                   |                         | Amber         | 34                | 47 / 156                                        | 38 / 125                                        | 36 / 117                                        |                                              |                         |      |      |
| 2.2 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 42                | 86 / 282                                        | 69 / 227                                        | 65 / 212                                        | IP20: 42 ft (12.8 m)<br>IP65: 32.8 ft (10 m) | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 145               | 297 / 973                                       | 239 / 785                                       | 223 / 733                                       |                                              |                         |      |      |
|                             |                   |                         | Blue          | 18                | 37 / 121                                        | 30 / 97                                         | 28 / 91                                         |                                              |                         |      |      |
|                             |                   |                         | Amber         | 34                | 70 / 228                                        | 56 / 184                                        | 52 / 172                                        |                                              |                         |      |      |
| 3.0 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 40                | 112 / 366                                       | 90 / 295                                        | 84 / 267                                        | 32.8 ft (10 m)                               | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 127               | 354 / 1162                                      | 286 / 937                                       | 267 / 875                                       |                                              |                         |      |      |
|                             |                   |                         | Blue          | 25                | 70 / 229                                        | 56 / 185                                        | 53 / 172                                        |                                              |                         |      |      |
|                             |                   |                         | Amber         | 29                | 81 / 265                                        | 65 / 214                                        | 61 / 200                                        |                                              |                         |      |      |
| 4.4 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 38                | 155 / 510                                       | 125 / 411                                       | 117 / 384                                       | 29 ft (8.8 m)                                | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 117               | 479 / 1571                                      | 386 / 1267                                      | 360 / 1182                                      |                                              |                         |      |      |
|                             |                   |                         | Blue          | 24                | 98 / 322                                        | 79 / 260                                        | 74 / 243                                        |                                              |                         |      |      |
|                             |                   |                         | Amber         | 25                | 102 / 336                                       | 83 / 271                                        | 77 / 253                                        |                                              |                         |      |      |
| 5.0 Static Color Series 2   | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red           | 37                | 172 / 564                                       | 139 / 455                                       | 130 / 425                                       | 30 ft (9.14 m)                               | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 116               | 539 / 1770                                      | 435 / 1427                                      | 406 / 1332                                      |                                              |                         |      |      |
|                             |                   |                         | Blue          | 24                | 112 / 366                                       | 90 / 295                                        | 84 / 276                                        |                                              |                         |      |      |
|                             |                   |                         | Amber         | 26                | 121 / 397                                       | 98 / 320                                        | 91 / 299                                        |                                              |                         |      |      |
| 6.0 Static Color Series 2   | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red           | 37                | 206 / 677                                       | 167 / 546                                       | 155 / 510                                       | 28 ft (8.5 m)                                | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 113               | 631 / 2069                                      | 509 / 1668                                      | 475 / 1557                                      |                                              |                         |      |      |
|                             |                   |                         | Blue          | 23                | 128 / 421                                       | 104 / 340                                       | 97 / 317                                        |                                              |                         |      |      |
|                             |                   |                         | Amber         | 24                | 134 / 439                                       | 108 / 354                                       | 101 / 331                                       |                                              |                         |      |      |
| 1.0 Variable White Series 2 | 1.97 in. (50 mm)  | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 85                | 79 / 259                                        | 64 / 209                                        | 60 / 195                                        | 32.8 ft (10 m)                               | ✓                       | ✓    |      |
| 3.0 Variable White Series 2 | 1.97 in. (50 mm)  | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 80                | 223 / 732                                       | 180 / 591                                       | 168 / 551                                       | 32.8 ft (10 m)                               | ✓                       | ✓    |      |
| 6.0 Variable White Series 2 | 1.97 in. (50 mm)  | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 75                | 419 / 1373                                      | 338 / 1107                                      | 315 / 1033                                      | 32.8 ft (10 m)                               | ✓                       | ✓    |      |

## SPECIFICATIONS

| Available Wattages | Cutttable Length    | LED Pitch               | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens (lm/ft / lm/m) | Delivered Lumens with Milky Lens (lm/ft / lm/m) | Delivered Lumens with Black Lens (lm/ft / lm/m) | Max Length                                           | Compatible with Channel |      |      |
|--------------------|---------------------|-------------------------|-------------|-------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|------------------------------------------------------|-------------------------|------|------|
|                    |                     |                         |             |                   |                                                 |                                                 |                                                 |                                                      | IP20                    | IP65 | IP68 |
| 4.4 RGBW Series 2  | 1.97 in. (50 mm)    | 36 LEDs/ft (120 LEDs/m) | RGBW        | 45                | 188.1 / 617.2                                   | 148.5 / 487.2                                   | 138.6 / 454.7                                   | 19 ft 8 in. (6 m)                                    | ✓                       | N/A  | N/A  |
| 5.5 RGBW Series 2  | 1.97 in. (50 mm)    | 36 LEDs/ft (120 LEDs/m) | RGBW        | 59                | 308.8 / 1013.0                                  | 243.3 / 798.5                                   | 227.2 / 745.3                                   | IP65: 16 ft 4 in. (5 m)<br>IP68: 19 ft 7.9 in. (6 m) | N/A                     | ✓    |      |
| 8.8 RGBW Series 2  | 1.97 in. (50 mm)    | 36 LEDs/ft (120 LEDs/m) | RGBW        | 61                | 510.2 / 1673.8                                  | 402.6 / 1320.9                                  | 375.8 / 1232.9                                  | 16 ft 4 in. (5 m)                                    | ✓                       | N/A  | N/A  |
| 4.4 RGBA           | 6.55 in. (166.4 mm) | 18 LEDs/ft (60 LEDs/m)  | RGBA        | 33                | 135 / 443                                       | 109 / 357                                       | 200 / 657                                       | 19 ft 7.9 in. (6 m)                                  | ✓                       | ✓    |      |
| 5.5 4-in-1 RGBW    | 3.94 in. (100 mm)   | 18 LEDs/ft (60 LEDs/m)  | RGBW        | 51                | 261 / 856                                       | 210 / 690                                       | 196 / 644                                       | 19 ft 7.9 in. (6 m)                                  | ✓                       | ✓    |      |
| 5.5 4-in-1 RGBA    | 3.94 in. (100 mm)   | 18 LEDs/ft (60 LEDs/m)  | RGBA        | 27                | 138 / 453                                       | 111 / 365                                       | 104 / 341                                       | 19 ft 7.9 in. (6 m)                                  | ✓                       | ✓    |      |
| 4.4 5-in-1 RGBA    | 2.46 in. (62.5 mm)  | 29 LED/ft (96 LED/m)    | RGBWW       | 59                | 241.4 / 792.1                                   | 194.7 / 638.8                                   | 181.7 / 596.2                                   | 16 ft 4 in (5 m)                                     | ✓                       | N/A  | N/A  |
| 8.8 5-in-1 RGBA    | 2.46 in. (62.5 mm)  | 29 LED/ft (96 LED/m)    | RGBWW       | 50                | 409.2 / 1342.6                                  | 330.0 / 1082.7                                  | 308.0 / 1010.5                                  | 11 ft 6 in (3.5 m)                                   | ✓                       | N/A  | N/A  |
| 5.2 Warm Dim       | 3.94 in. (100 mm)   | 36 LEDs/ft (120 LEDs/m) | WARM DIM    | 55                | 266 / 873                                       | 215 / 704                                       | 200 / 657                                       | 16 ft 4 in. (5 m)                                    | ✓                       | ✓    |      |

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

|  <b>No Visible Diode = N</b> |              |              |                   |                   |                   |  <b>With Visible Diode = Y</b> |                   |                  |                  |              |                |
|-----------------------------------------------------------------------------------------------------------------|--------------|--------------|-------------------|-------------------|-------------------|--------------------------------------------------------------------------------------------------------------------|-------------------|------------------|------------------|--------------|----------------|
| Static White & Static Color RibbonLyte                                                                          |              |              |                   |                   |                   | Color Changing RibbonLyte                                                                                          |                   |                  |                  |              |                |
| 0.75/1.5/2.2                                                                                                    | 3.0/4.4      | 5.0/6.0      | 4.4 RGBW Series 2 | 5.5 RGBW Series 2 | 8.8 RGBW Series 2 | 4.4 RGBW/A                                                                                                         | 5.5 4-in-1 RGBW/A | 4.4 5-in-1 RGBWW | 8.8 5-in-1 RGBWW | Warm Dim     | Variable White |
| IP20<br>IP65                                                                                                    | IP20<br>IP65 | IP20<br>IP65 | IP20              | IP65              | IP20              | IP20<br>IP65                                                                                                       | IP20<br>IP65      | IP20             | IP20             | IP20<br>IP65 | IP20<br>IP65   |
| Y                                                                                                               | N            | N            | 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

### ELV & MLV DRIVERS WITH COMPATIBLE DIMMERS



#### 60W, 96W, 150W, 300W ELV/MLV Dimmable Drivers

Part No.:

- DRVW2460ELVMLV (60 Watt)
- DRVW2496ELVMLV (96 Watt)
- DRVW24150ELVMLV (150 Watt)
- DRVW24300ELVMLV (300 Watt)

Line Voltage Dimmable Drivers  
Output Voltage: 24 V  
Voltage Range: 100-277 VAC  
IP Rating: IP67  
Dimmable  
UL, CE, 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



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



0-10V Dimmable 90W VW/WD Driver

- Part No.: DRVRFWDVW2490120
- 0-10V Constant Voltage driver
  - Compatible with 0-10V dimming systems
  - Use for Variable White, Warm Dim or Static White
  - No minimum load requirement
  - Driver can be loaded to maximum wattage
  - Meets CEC Title 24 Section JA8 flicker requirements
  - Superior flicker-free dimming to 0.1%
  - UL Listed Class 2 driver
  - Integrated junction box
  - Wiring compartments with knockouts for safety

DMX CONTROLLER AND PART NUMBER - FOR COLOR CHANGING VERSIONS



GLASS TOUCH  
WALL CONTROLLERS

Part Number: AWCRGBWWBK  
AWCVWBK



1 ZONE WALL CONTROLLER

Part Number: DMXCTRLG



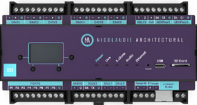
5 ZONE WALL CONTROLLER

Part Number: DMXCTRL



10 ZONE WALL CONTROLLER

Part Number: DMXCTRLD



2 UNIVERSE DMX CONTROLLER

Part Number: DMXCTRLDR2U



4 CHANNEL WATERPROOF  
DMX INTERFACE

Part Number: DMXINFWLCD4



5 CHANNEL  
DMX INTERFACE

Part Number: DMXINFLCD5



DMX OPTO SPLITTER

Part Number: DMXOS8

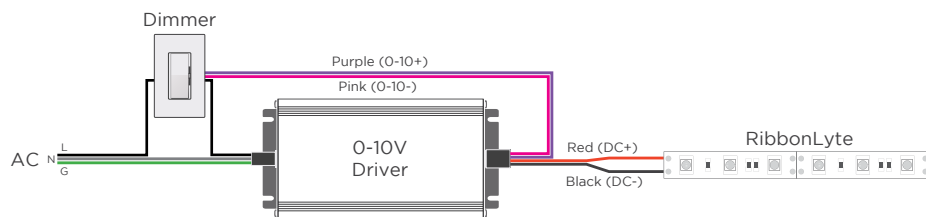
DRIVER AND RIBBONLYTE AT FULL LOAD

| 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  |

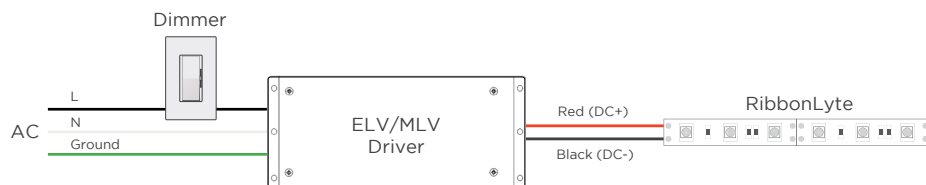


## WIRING DIAGRAMS

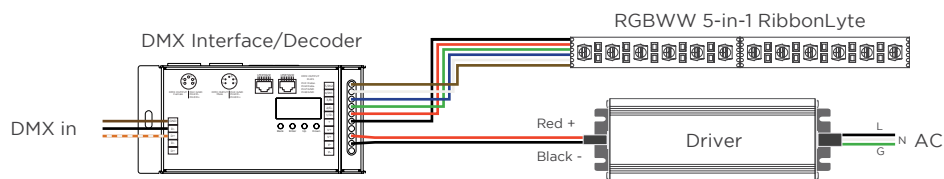
### 0-10V



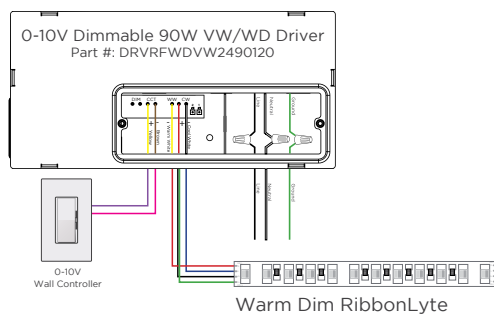
### MLV / ELV



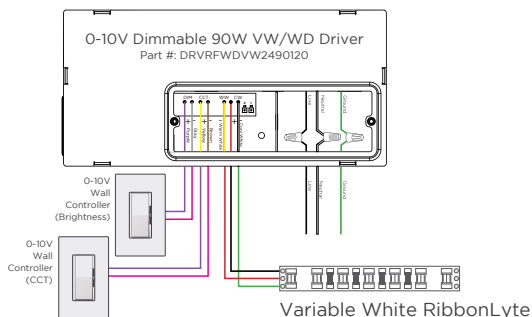
### DMX



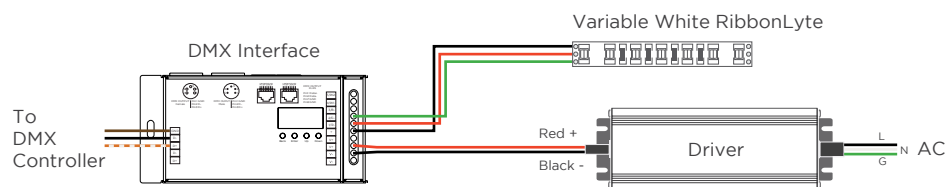
### WARM DIM



### 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

#### RGBW + RGBA

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

#### RGBWW

Black (+) 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 1  
Brown Wire (-) goes to White Channel 2

#### 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