

## AS12 CHANNEL FIXTURE

AS12 is a surface mounted aluminum channel with a recessed profile option and a 100°x140° beam angle. Offered with a round milky lens, the AS12 fits RibbonLyte strips with a maximum width of up to 0.47 in. (12 mm).

- Available for field assembly or factory assembly
- 0.76 in. (19.2 mm) wide by 0.8 in. (20.3 mm) deep
- Beam angle: 100°x140°
- 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 554 lm/ft (1819 lm/m)
- Round Milky Lens
- Suitable for use in closets with RibbonLyte (6.0 W/ft and less)

## HOUSING FINISHES



\*Additional fee applies

## LENS FINISHES

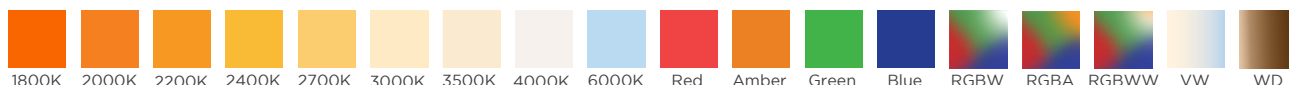


Round Milky Lens  
70% Light Transmission



RoHS

## AVAILABLE COLORS & COLOR TEMPERATURES



## DIMENSIONS

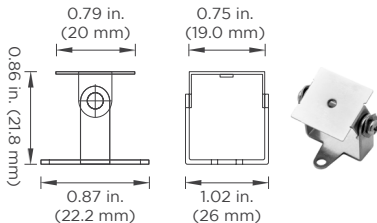
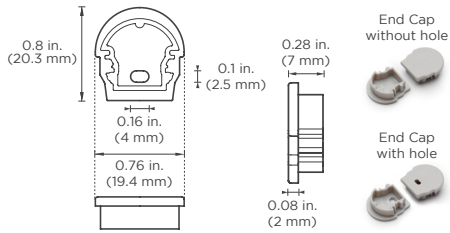
| AS12 Channel                                                                                                                                                                                                                                                                                                                                                                                               | Mounting Clip (included accessory)                                                    |                        |                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------|
| <p>Width: 0.76 in. (19.2 mm)<br/>Height: 0.8 in. (20.3 mm)<br/>Internal Width: 0.47 in. (12 mm)<br/>Internal Height: 0.63 in. (16 mm)</p>                                                                                                                                                                                                                                                                  | <p><b>Side View</b></p> <p>Width: 0.57 in. (14.5 mm)<br/>Length: 0.95 in. (24 mm)</p> | <p><b>Top View</b></p> | <p><b>Assembled View</b></p> <p>Width: 0.7 in. (17.8 mm)<br/>Height: 0.83 in. (21 mm)</p> |
| <p><b>Note:</b></p> <ol style="list-style-type: none"> <li>1. <b>Magnetic mounting</b> option available (see page 2)</li> <li>2. <b>Exterior channel applications</b> 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.</li> </ol> |                                                                                       |                        |                                                                                           |

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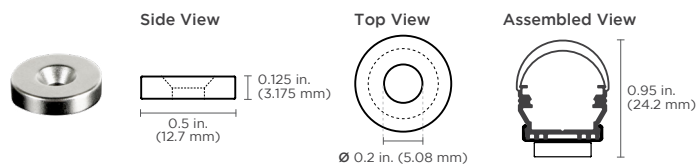
## SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Beam Angle              | 100°x140°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lens Type               | Round Milky Lens                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Length                  | Channel is sold by the foot and cut to your exact desired length. Required amount of mounting clips included.                                                                                                                                                                                                                                                                                                                                                                                                   |
| Operating Voltage       | 24V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Dimming                 | MLV / 0-10 Volt / Lutron Hi-Lume 1% dimming & Hi-Lume Premier 0.1% L3D0 LED drivers / Lutron VIVE code compliance available / ELV / DALI                                                                                                                                                                                                                                                                                                                                                                        |
| Operating Temperature   | -40° F to 158° F (-40° C to 70° C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Colors                  | 1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, RGBA, RGBW, RGBWW, VW, Warm Dim (1800K, 2000K, 2200K only available in IP20)                                                                                                                                                                                                                                                                                                                                            |
| CRI                     | 90+ CRI (Static white only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Lamp Life               | L70 at 50,000 Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MacAdam Ellipses (SDCM) | 2-Step Binning (For Static White LEDs only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Certifications          | 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<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)

| Tilttable Stand                                                                                                                              | End Caps                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Assembled Height with Channel: 1.69 in. (42.8 mm)</p> |  <p>End Cap without hole</p> <p>End Cap with hole</p> |

### Magnetic Mount (Part #: CHMAG0.5)



#### Features:

- High-energy neodymium magnets come attached to mounting clips with countersink hex nuts
- Create easy-mount magnetic channels with minimal surface gaps; no tools or drilling necessary
- Magnets rated for 8 lbs. of pull force with static load

#### Applications:

- Industrial lighting retrofits for troffers and other metal fixtures
- Metal retail shelf lighting
- Temporary light fixture installations

ORDERING GUIDE

**STEP 1** Complete Channel Part Number

| CHANNEL               | LENS                  | HOUSING COLOR |                                   |
|-----------------------|-----------------------|---------------|-----------------------------------|
| CHAS12                |                       |               |                                   |
| CHAS12 - AS12 Channel | RM - Round Milky Lens | SV - Silver   | WH - White                        |
|                       |                       | BK - Black    | Consult factory for custom colors |

**STEP 2** Complete RibbonLyte Part Number

| CATEGORY        | CRI                                                           | RIBBON TYPE & IP RATING                                                                                                                                                                                                                |                                                                                                                                                                                  |                                                                                                                                     |
|-----------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| RB              |                                                               |                                                                                                                                                                                                                                        |                                                                                                                                                                                  |                                                                                                                                     |
| RB - RibbonLyte | 0 - Static Color, Color Changing<br>90 - 90+ CRI Static White | SWS220 - Static White Series 2 IP20<br>SWS265 - Static White Series 2 IP65<br>SWS268 - Static White Series 2 IP68<br>SCS220 - Static Color Series 2 IP20<br>SCS265 - Static Color Series 2 IP65<br>SCS268 - Static Color Series 2 IP68 | RGBWS220 - RGBW Series 2 IP20<br>RGBWS265 - RGBW Series 2 IP65<br>RGBWS268 - RGBW Series 2 IP68<br>RGBWA20 - RGBW/A IP20<br>RGBWA65 - RGBW/A IP65<br>RGBWW20 - RGBWW 5-in-1 IP20 | VWS220 - VW Series 2 IP20<br>VWS265 - VW Series 2 IP65<br>VWS268 - VW Series 2 IP68<br>WD20 - Warm Dim IP20<br>WD65 - Warm Dim IP65 |

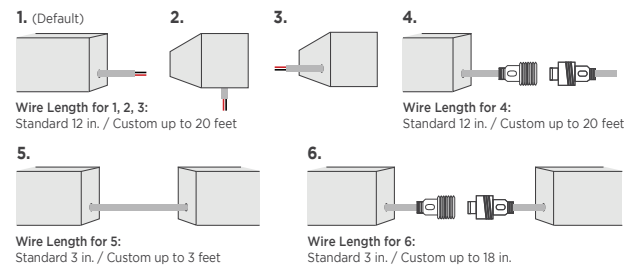
**NOTE:** To ensure waterproofing standards are met, IP65 and IP68 RibbonLyte can NOT be cut in the field.

| WATTAGE                                                                   | COLOR                                                  |
|---------------------------------------------------------------------------|--------------------------------------------------------|
| 0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)                  | 18 - 1800K                                             |
| 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)                     | 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, RGBW, RGBWW, RGBA) | 30 - 3000K                                             |
| 5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)                                      | 35 - 3500K                                             |
| 5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)                    | 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                                                |
| 8.8 - 8.8 W/ft (28.86 W/m - RGBW, RGBWW)                                  | A - Amber                                              |
|                                                                           | G - Green                                              |
|                                                                           | B - Blue                                               |
|                                                                           | RGB27 - Red, Green, Blue + 2700K                       |
|                                                                           | RGB30 - Red, Green, Blue + 3000K                       |
|                                                                           | RGB40 - Red, Green, Blue + 4000K                       |
|                                                                           | RGB60 - Red, Green, Blue + 6000K                       |
|                                                                           | RGB2465 - Red, Green, Blue + 2400K + 6500K             |
|                                                                           | 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)   |
|------------------------|-----------------------------------------------------------------|
| FI - Field Assembly    |                                                                 |
| FA - Factory Assembly* | * Factory assembly is not recommended for exterior applications |

**STEP 4** Add Accessories

| ACCESSORIES                   |
|-------------------------------|
| TILTSTANDST - Tilttable Stand |
| CHMAGO.5 - Magnetic Mount     |

## RIBBONLYTE SPECIFICATIONS &amp; COMPATIBILITY

| Available Wattages            | Cutable Length      | LED Pitch                  | Color Temp. | lm/W without Lens | Delivered Lumens with Round Lens (lm/ft / lm/m) | Max Length                                                              | Compatible with Channel |      |      |
|-------------------------------|---------------------|----------------------------|-------------|-------------------|-------------------------------------------------|-------------------------------------------------------------------------|-------------------------|------|------|
|                               |                     |                            |             |                   |                                                 |                                                                         | IP20                    | IP65 | IP68 |
| 0.75<br>Static White Series 2 | 1.97 in.<br>(50 mm) | 48 LEDs/ft<br>(160 LEDs/m) | 1800K       | 84                | 44 / 145                                        | IP20:<br>49 ft<br>(15 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m)         | ✓                       | ✓    | ✓    |
|                               |                     |                            | 2000K       | 99                | 52 / 171                                        |                                                                         |                         |      |      |
|                               |                     |                            | 2200K       | 109               | 57 / 188                                        |                                                                         |                         |      |      |
|                               |                     |                            | 2400K       | 113               | 59 / 195                                        |                                                                         |                         |      |      |
|                               |                     |                            | 2700K       | 123               | 65 / 212                                        |                                                                         |                         |      |      |
|                               |                     |                            | 3000K       | 123               | 65 / 212                                        |                                                                         |                         |      |      |
|                               |                     |                            | 3500K       | 130               | 68 / 224                                        |                                                                         |                         |      |      |
|                               |                     |                            | 4000K       | 134               | 70 / 231                                        |                                                                         |                         |      |      |
|                               |                     |                            | 6000K       | 131               | 69 / 226                                        |                                                                         |                         |      |      |
|                               |                     |                            | 1800K       | 84                | 88 / 289                                        |                                                                         |                         |      |      |
|                               |                     |                            | 2000K       | 98                | 103 / 338                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2200K       | 109               | 114 / 375                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2400K       | 113               | 119 / 389                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2700K       | 123               | 129 / 424                                       |                                                                         |                         |      |      |
|                               |                     |                            | 3000K       | 123               | 129 / 424                                       |                                                                         |                         |      |      |
|                               |                     |                            | 3500K       | 129               | 135 / 444                                       |                                                                         |                         |      |      |
|                               |                     |                            | 4000K       | 134               | 141 / 462                                       |                                                                         |                         |      |      |
|                               |                     |                            | 6000K       | 131               | 138 / 451                                       |                                                                         |                         |      |      |
|                               |                     |                            | 1800K       | 83                | 128 / 419                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2000K       | 96                | 148 / 485                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2200K       | 106               | 163 / 536                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2400K       | 111               | 171 / 561                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2700K       | 120               | 185 / 606                                       |                                                                         |                         |      |      |
|                               |                     |                            | 3000K       | 122               | 188 / 616                                       |                                                                         |                         |      |      |
|                               |                     |                            | 3500K       | 127               | 196 / 642                                       | IP20:<br>42 ft<br>(12.8 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m)       | ✓                       | ✓    | ✓    |
|                               |                     |                            | 4000K       | 133               | 205 / 672                                       |                                                                         |                         |      |      |
|                               |                     |                            | 6000K       | 128               | 197 / 647                                       |                                                                         |                         |      |      |
|                               |                     |                            | 1800K       | 84                | 176 / 579                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2000K       | 98                | 206 / 675                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2200K       | 108               | 227 / 744                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2400K       | 109.8             | 231 / 756                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2700K       | 122.9             | 258 / 847                                       |                                                                         |                         |      |      |
|                               |                     |                            | 3000K       | 130               | 273 / 896                                       | IP20:<br>36 ft<br>(11 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m)         | ✓                       | ✓    | ✓    |
|                               |                     |                            | 3500K       | 133               | 279 / 916                                       |                                                                         |                         |      |      |
|                               |                     |                            | 4000K       | 133               | 279 / 916                                       |                                                                         |                         |      |      |
|                               |                     |                            | 6000K       | 128               | 269 / 882                                       |                                                                         |                         |      |      |
|                               |                     |                            | 1800K       | 81                | 249 / 818                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2000K       | 95                | 293 / 960                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2200K       | 105               | 323 / 1061                                      |                                                                         |                         |      |      |
|                               |                     |                            | 2400K       | 109               | 336 / 1101                                      |                                                                         |                         |      |      |
|                               |                     |                            | 2700K       | 122               | 376 / 1233                                      | 28 ft 4 in.<br>(8.64 m)                                                 | ✓                       | ✓    | ✓    |
|                               |                     |                            | 3000K       | 129               | 397 / 1304                                      |                                                                         |                         |      |      |
|                               |                     |                            | 3500K       | 132               | 407 / 1334                                      |                                                                         |                         |      |      |
|                               |                     |                            | 4000K       | 132               | 407 / 1334                                      |                                                                         |                         |      |      |
|                               |                     |                            | 6000K       | 126               | 388 / 1273                                      |                                                                         |                         |      |      |
|                               |                     |                            | 1800K       | 83                | 291 / 953                                       |                                                                         |                         |      |      |
|                               |                     |                            | 2000K       | 98                | 343 / 1125                                      |                                                                         |                         |      |      |
|                               |                     |                            | 2200K       | 107               | 375 / 1229                                      |                                                                         |                         |      |      |
|                               |                     |                            | 2400K       | 110               | 384 / 1261                                      | IP20:<br>33 ft 4 in.<br>(10.1 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m) | ✓                       | ✓    |      |
|                               |                     |                            | 2700K       | 123               | 430 / 1411                                      |                                                                         |                         |      |      |
|                               |                     |                            | 3000K       | 130               | 455 / 1493                                      |                                                                         |                         |      |      |
|                               |                     |                            | 3500K       | 133               | 466 / 1527                                      |                                                                         |                         |      |      |
|                               |                     |                            | 4000K       | 133               | 466 / 1527                                      |                                                                         |                         |      |      |
|                               |                     |                            | 6000K       | 127               | 445 / 1458                                      |                                                                         |                         |      |      |

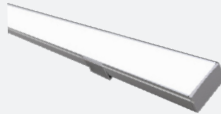
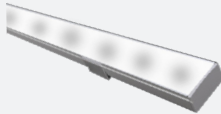
## RIBBONLYTE SPECIFICATIONS &amp; COMPATIBILITY

| Available Wattages          | Cutttable Length  | LED Pitch               | Color Temp.   | lm/W without Lens | Delivered Lumens with Square 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                | 344 / 1130                                       | 28 ft (8.5 m)                                     | ✓                       | ✓    |      |
|                             |                   |                         | 2000K         | 95                | 399 / 1309                                       |                                                   |                         |      |      |
|                             |                   |                         | 2200K         | 106               | 445 / 1461                                       |                                                   |                         |      |      |
|                             |                   |                         | 2400K         | 109               | 458 / 1502                                       |                                                   |                         |      |      |
|                             |                   |                         | 2700K         | 122               | 512 / 1681                                       |                                                   |                         |      |      |
|                             |                   |                         | 3000K         | 129               | 542 / 1778                                       |                                                   |                         |      |      |
|                             |                   |                         | 3500K         | 132               | 554 / 1819                                       |                                                   |                         |      |      |
|                             |                   |                         | 4000K         | 132               | 554 / 1819                                       |                                                   |                         |      |      |
|                             |                   |                         | 6000K         | 126               | 529 / 1736                                       |                                                   |                         |      |      |
| 0.75 Static Color Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 41                | 22 / 71                                          | IP20: 49 ft (15 m)<br>IP65/IP68: 32.8 ft (10 m)   | ✓                       | ✓    | ✓    |
|                             |                   |                         | Green         | 175               | 92 / 301                                         |                                                   |                         |      |      |
|                             |                   |                         | Blue          | 19                | 10 / 33                                          |                                                   |                         |      |      |
|                             |                   |                         | Amber         | 34                | 18 / 59                                          |                                                   |                         |      |      |
| 1.5 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 42                | 44 / 145                                         | IP20: 49 ft (15 m)<br>IP65/IP68: 32.8 ft (10 m)   | ✓                       | ✓    | ✓    |
|                             |                   |                         | Green         | 160               | 168 / 551                                        |                                                   |                         |      |      |
|                             |                   |                         | Blue          | 18                | 19 / 62                                          |                                                   |                         |      |      |
|                             |                   |                         | Amber         | 34                | 36 / 117                                         |                                                   |                         |      |      |
| 2.2 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 42                | 65 / 212                                         | IP20: 42 ft (12.8 m)<br>IP65/IP68: 32.8 ft (10 m) | ✓                       | ✓    | ✓    |
|                             |                   |                         | Green         | 145               | 223 / 733                                        |                                                   |                         |      |      |
|                             |                   |                         | Blue          | 18                | 28 / 91                                          |                                                   |                         |      |      |
|                             |                   |                         | Amber         | 34                | 52 / 172                                         |                                                   |                         |      |      |
| 3.0 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 40                | 84 / 276                                         | 32.8 ft (10 m)                                    | ✓                       | ✓    | ✓    |
|                             |                   |                         | Green         | 127               | 267 / 875                                        |                                                   |                         |      |      |
|                             |                   |                         | Blue          | 25                | 53 / 172                                         |                                                   |                         |      |      |
|                             |                   |                         | Amber         | 29                | 61 / 200                                         |                                                   |                         |      |      |
| 4.4 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 38                | 117 / 384                                        | 29 ft (8.8 m)                                     | ✓                       | ✓    | ✓    |
|                             |                   |                         | Green         | 117               | 360 / 1182                                       |                                                   |                         |      |      |
|                             |                   |                         | Blue          | 24                | 74 / 243                                         |                                                   |                         |      |      |
|                             |                   |                         | Amber         | 25                | 77 / 253                                         |                                                   |                         |      |      |
| 5.0 Static Color Series 2   | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red           | 37                | 130 / 425                                        | 30 ft (9.14 m)                                    | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 116               | 406 / 1332                                       |                                                   |                         |      |      |
|                             |                   |                         | Blue          | 24                | 84 / 276                                         |                                                   |                         |      |      |
|                             |                   |                         | Amber         | 26                | 91 / 299                                         |                                                   |                         |      |      |
| 6.0 Static Color Series 2   | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red           | 37                | 155 / 510                                        | 28 ft (8.5 m)                                     | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 113               | 475 / 1557                                       |                                                   |                         |      |      |
|                             |                   |                         | Blue          | 23                | 97 / 317                                         |                                                   |                         |      |      |
|                             |                   |                         | Amber         | 24                | 101 / 331                                        |                                                   |                         |      |      |
| 1.0 Variable White Series 2 | 1.97 in. (50 mm)  | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 85                | 59.5 / 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                | 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                | 315 / 1033                                       | 32.8 ft (10 m)                                    | ✓                       | ✓    | ✓    |

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

| Available Wattages | Cuttable Length     | LED Pitch               | Color Temp. | lm/W without Lens | Delivered Lumens with Square 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                | 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                | 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                | 375.8 / 1232.9                                   | 16 ft 4 in. (5 m)                                    | ✓                       | N/A  | N/A  |
| 4.4 RGBW           | 6.55 in. (166.4 mm) | 18 LEDs/ft (60 LEDs/m)  | RGBW        | 65                | 200 / 657                                        | 19 ft 7.9 in. (6 m)                                  | ✓                       | ✓    |      |
| 4.4 RGBA           | 6.55 in. (166.4 mm) | 18 LEDs/ft (60 LEDs/m)  | RGBA        | 33                | 102 / 333                                        | 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                | 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                | 104 / 341                                        | 19 ft 7.9 in. (6 m)                                  | ✓                       | ✓    |      |
| 4.4 5-in-1 RGBWW   | 2.46 in. (62.5 mm)  | 29 LED/ft (96 LED/m)    | RGBWW       | 59                | 181.7 / 596.2                                    | 16 ft 4 in. (5 m)                                    | ✓                       | N/A  | N/A  |
| 8.8 5-in-1 RGBWW   | 2.46 in. (62.5 mm)  | 29 LED/ft (96 LED/m)    | RGBWW       | 50                | 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                | 200 / 657                                        | 16 ft 4 in. (5 m)                                    | ✓                       | ✓    |      |

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

|                                                                                     |                      |              |                           |                   |                   |                                                                                      |              |                   |                        |                      |  |
|-------------------------------------------------------------------------------------|----------------------|--------------|---------------------------|-------------------|-------------------|--------------------------------------------------------------------------------------|--------------|-------------------|------------------------|----------------------|--|
|  |                      |              | No Visible Diode = N      |                   |                   |  |              |                   | With Visible Diode = Y |                      |  |
| 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 | 4.4/8.8 RGBWW 5-in-1                                                                 | 4.4 RGBW/A   | 5.5 4-in-1 RGBW/A | Warm Dim               | Variable White       |  |
| IP20<br>IP65<br>IP68                                                                | IP20<br>IP65<br>IP68 | IP20<br>IP65 | IP20                      | IP65<br>IP68      | IP20              | IP20                                                                                 | IP20<br>IP65 | IP20<br>IP65      | IP20<br>IP65           | IP20<br>IP65<br>IP68 |  |
| N                                                                                   | N                    | N            | Y                         | Y                 | Y                 | Y                                                                                    | N            | N                 | N                      | N                    |  |

## 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



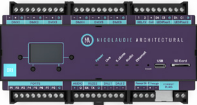
5 ZONE WALL CONTROLLER

Part Number: DMXCTRL



10 ZONE WALL CONTROLLER

Part Number: DMXCTRLD



2 UNIVERSE DMX CONTROLLER

Part Number: DMXCTRLDR2U

6 UNIVERSE DMX CONTROLLER

Part Number: DMXCTRLDR6U



4 CHANNEL WATERPROOF  
DMX INTERFACE

Part Number: DMXINFWLCD4



5 CHANNEL  
DMX INTERFACE

Part Number: DMXINFLCD5



DMX OPTO SPLITTER

Part Number: DMXOS8

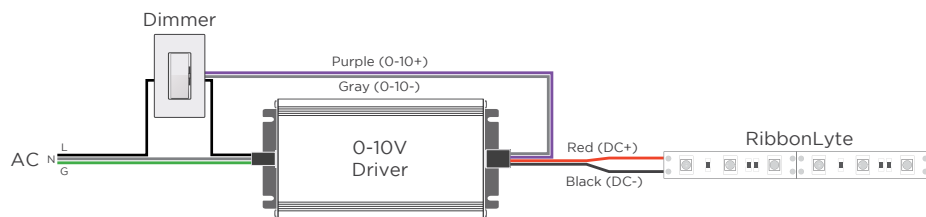
DRIVER AND RIBBONLYTE AT FULL LOAD

| 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  |

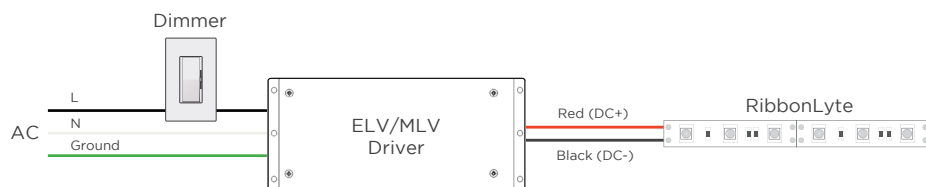


## WIRING DIAGRAMS

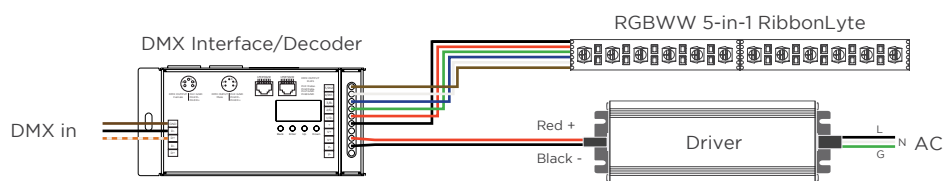
### 0-10V



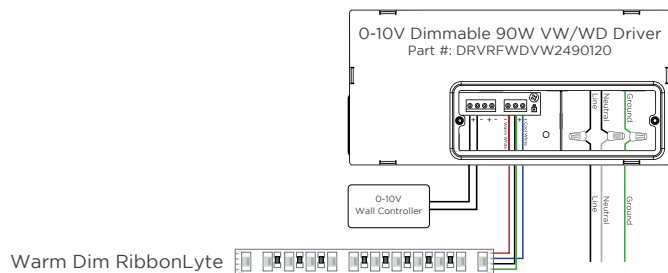
### MLV / ELV



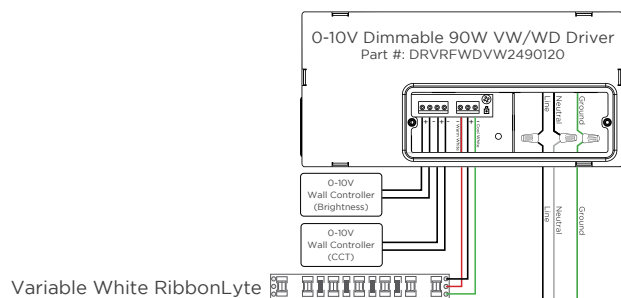
### DMX



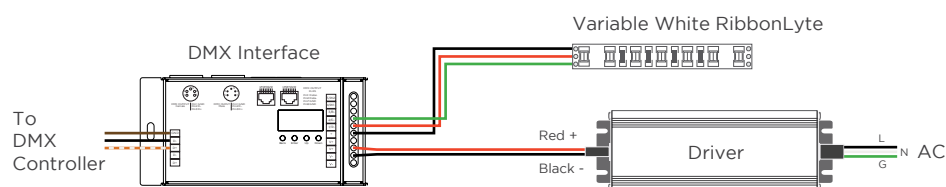
### WARM DIM



### 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