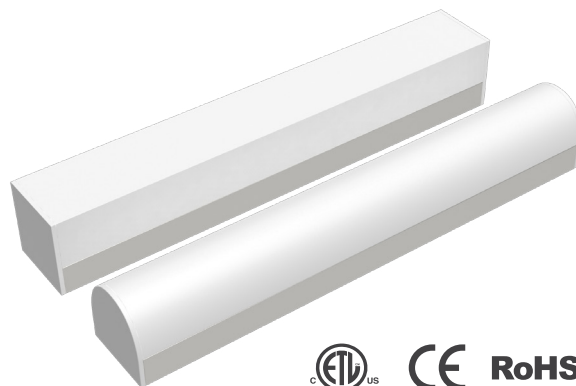


## AS13 CHANNEL FIXTURE

The AS13 is a shallow aluminum surface mounted channel available with round milky or square milky lens. This sleek, wide channel mounts flush to the surface. Create a custom fixture with AS13, your choice of round milky or square milky lenses and our RibbonLyte products.

- Available for field assembly or factory assembly
- 1.31 in. (33.4 mm) wide by 1.29 in. (32.7 mm) deep with round lens, 1.37 in. (34.8 mm) deep with square lens
- Beam angles: 100°x140° with Round Lens, 100°x150° with Square Lens
- Wattage Range from 0.75 W/ft (2.46 W/m) to 12 W/ft (39.4 W/m)
- Static White delivered lumen range: 47 lm/ft (155 lm/m) up to 975 lm/ft (3199 lm/m)
- Round Milky Lens or Square Milky Lens
- Suitable for use in closets with RibbonLyte (6.0 W/ft and less)



RoHS

## HOUSING FINISHES



Silver Black\* White\* Custom RAL\*

\*Additional fee applies

## LENS FINISHES

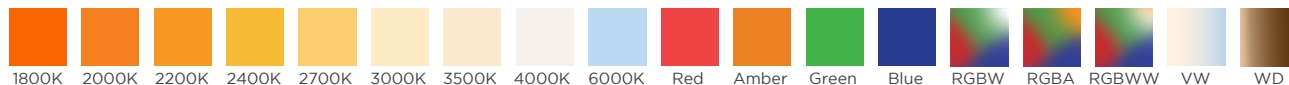


Round Milky Lens  
75% Light Transmission



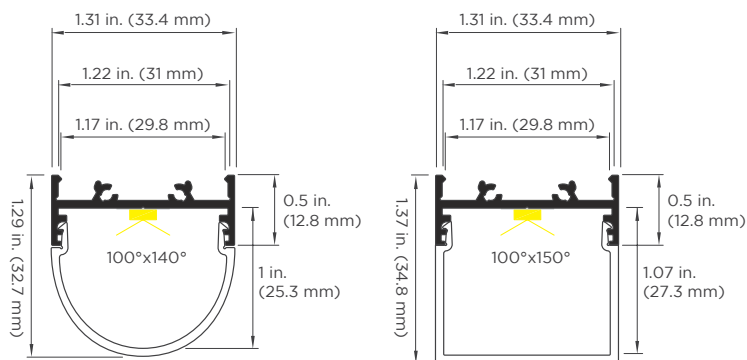
Square Milky Lens  
75% Light Transmission

## AVAILABLE COLORS & COLOR TEMPERATURES



## DIMENSIONS

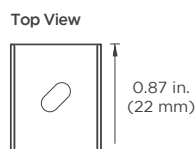
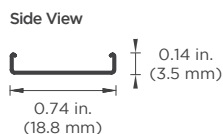
### AS13 Channel



Width: 1.31 in. (33.4 mm)  
Height: 1.29 in. (32.7 mm)  
Internal Width: 1.22 in. (31 mm)  
Internal Height: 1 in. (25.3 mm)

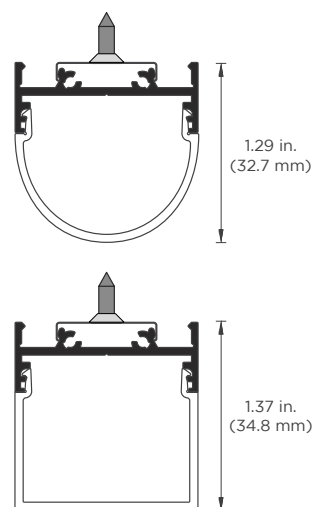
Width: 1.31 in. (33.4 mm)  
Height: 1.37 in. (34.8 mm)  
Internal Width: 1.22 in. (31 mm)  
Internal Height: 1.07 in. (27.3 mm)

### Mounting Clip (included accessory)



Width: 0.74 in. (18.8 mm)  
Length: 0.87 in. (22 mm)

### Assembled View



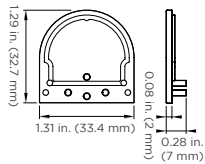
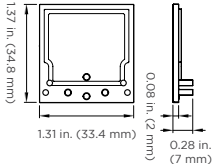
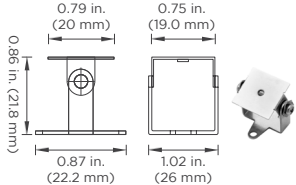
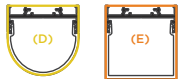
### Note:

1. Magnetic mounting option available (see page 2)
2. 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.

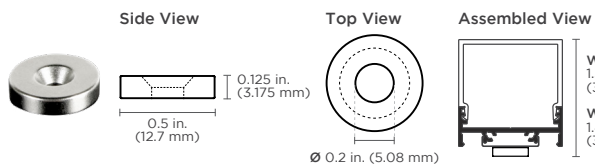
## SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Beam Angle              | 100°x140° with Round Milky Lens, 100°x150° with Square Milky Lens                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Lens Type               | Round Milky Lens, Square 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 LED drivers / Lutron VIVE code compliance available / ELV / DALI / DMX                                                                                                                                                                                                                                                                                                                                                                                              |
| 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, RGBW Addressable, 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)

|                                                                                                                                                                                                                                                                                                                         |                                                                                                                                     |                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>End Cap (D) for channel with Round Lens</b>                                                                                                                                                                                       | <b>End Cap (E) for channel with Square Lens</b>  | <b>Tiltable Stand</b>  |
| <b>End Cap options when using channel with Round Lens or Square Lens:</b> <ol style="list-style-type: none"> <li>1. Use End Cap (D) for channel with Round Lens</li> <li>2. Use End Cap (E) for channel with Square Lens</li> </ol>  |                                                                                                                                     |                                                                                                             |
| <b>Assembled Height with channel &amp; Round Lens:</b> 2.15 in. (54.5 mm)<br><b>Assembled Height with channel &amp; Square Lens:</b> 2.23 in. (56.6 mm)                                                                                                                                                                 |                                                                                                                                     |                                                                                                             |

### 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                     | END CAPS                                              |
|------------------------------|-------------------------------|-----------------------------------|-------------------------------------------------------|
| <b>CHAS13</b>                |                               |                                   |                                                       |
| <b>CHAS13</b> - AS13 Channel | <b>RM</b> - Round Milky Lens  | <b>SV</b> - Silver (standard)     | <b>D</b> - End Cap for channel with Round Milky Lens  |
|                              | <b>SM</b> - Square Milky Lens | <b>BK</b> - Black                 | <b>E</b> - End Cap for channel with Square Milky Lens |
|                              |                               | <b>WH</b> - White                 |                                                       |
|                              |                               | Consult factory for custom colors |                                                       |

**STEP 2** Complete RibbonLyte Part Number

| CATEGORY               | CRI                                     | RIBBON TYPE & IP RATING                      |                                                |                                  |
|------------------------|-----------------------------------------|----------------------------------------------|------------------------------------------------|----------------------------------|
| <b>RB</b>              |                                         |                                              |                                                |                                  |
| <b>RB</b> - RibbonLyte | <b>0</b> - Static Color, Color Changing | <b>SWS220</b> - Static White Series 2 IP20   | <b>RGBWS220</b> - RGBW Series 2 IP20           | <b>VWS220</b> - VW Series 2 IP20 |
|                        | <b>90</b> - 90+ CRI Static White        | <b>SWS265</b> - Static White Series 2 IP65   | <b>RGBWS265</b> - RGBW Series 2 IP65           | <b>VWS265</b> - VW Series 2 IP65 |
|                        |                                         | <b>SWS268</b> - Static White Series 2 IP68   | <b>RGBWS268</b> - RGBW Series 2 IP68           | <b>VWS268</b> - VW Series 2 IP68 |
|                        |                                         | <b>SWDR20</b> - Static White Double Row IP20 | <b>RGBWA20</b> - RGBW/A IP20                   | <b>WD20</b> - Warm Dim IP20      |
|                        |                                         | <b>SCS220</b> - Static Color Series 2 IP20   | <b>RGBWA65</b> - RGBW/A IP65                   | <b>WD65</b> - Warm Dim IP65      |
|                        |                                         | <b>SCS265</b> - Static Color Series 2 IP65   | <b>RGBWA68</b> - RGBW/A IP68                   | <b>WD68</b> - Warm Dim IP68      |
|                        |                                         | <b>SCS268</b> - Static Color Series 2 IP68   | <b>RGBWADR20</b> - RGBW/A Double Row IP20      |                                  |
|                        |                                         | <b>RGBWADD</b> - Addressable RGBW IP67       | <b>VWDR20</b> - Variable White Double Row IP20 |                                  |
|                        |                                         | <b>RGBWW20</b> - RGBWW 5-in-1 IP20           |                                                |                                  |

**NOTE:** To ensure waterproofing standards are met, IP65, IP67, and IP68 RibbonLyte can NOT be cut in the field.

WATTAGE

0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)  
 1.0 - 1.0 W/ft (3.3 W/m - Variable White)  
 1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color)  
 2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)  
 3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White, RGBW, RGBA)  
 4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW,, RGBA)  
 5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)  
 5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)  
 5.5 - 5.5 W/ft (18.0 W/m - RGBW, RGBA)  
 6.0 - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White, RGBW, RGBA, RGBW Addressable)  
 8.8 - 8.8 W/ft (28.9 W/m - RGBW, RGBWW, RGBA)  
 12.0 - 12.0 W/ft (39.4 W/m - Static White, Variable White, RGBW, RGBA)

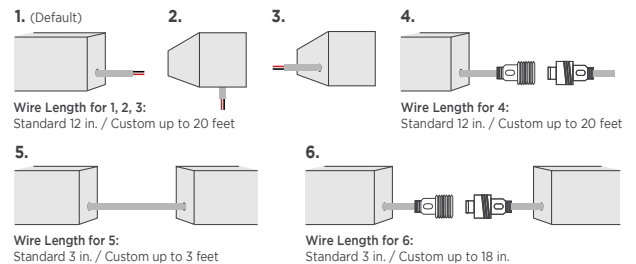
COLOR

18 - 1800K      **VW** - Variable White  
 20 - 2000K      **RGB27** - Red, Green, Blue + 2700K  
 22 - 2200K      **RGB30** - Red, Green, Blue + 3000K  
 24 - 2400K      **RGB40** - Red, Green, Blue + 4000K  
 27 - 2700K      **RGB60** - Red, Green, Blue + 6000K  
 30 - 3000K      **RGB2465** - Red, Green, Blue + 2400K + 6500K  
 35 - 3500K      **RGBA** - Red, Green, Blue + Amber  
 40 - 4000K      **RGBW30** - RGB + 3000K Addressable  
 60 - 6000K      **RGBW40** - RGB + 4000K Addressable  
**R** - Red      **RGBW60** - RGB + 6000K Addressable  
**A** - Amber      **2920** - Warm Dim 2900K - 2000K (IP20)  
**G** - Green      **2721** - Warm Dim 2700K - 2100K (IP65+IP68)  
**B** - Blue      **Z** - Undecided\*\*  
 \*\* For quotes only. Must be chosen before final order.

CONNECTION OPTIONS (See diagrams on the right)

Custom Length (ft.)

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| 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  |



**STEP 3** Complete Assembly Option & Length

| ASSEMBLY OPTION               | LENGTH (Standard factory assembled length up to 78 in. / 2 m)   |
|-------------------------------|-----------------------------------------------------------------|
| <b>FI</b> - Field Assembly    |                                                                 |
| <b>FA</b> - Factory Assembly* | * 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 Wattage          | Cutttable Length  | LED Pitch               | Color Temp. | lm/W without Lens | Delivered Lumens with Round Milky Lens (lm/ft / lm/m) | Delivered Lumens with Square Milky 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                | 47 / 155                                              | 47 / 155                                               | IP20: 49 ft (15 m)<br>IP65/IP68: 32.8 ft (10 m)         | ✓                       | ✓    | ✓    |
|                            |                   |                         | 2000K       | 99                | 56 / 183                                              | 56 / 183                                               |                                                         |                         |      |      |
|                            |                   |                         | 2200K       | 109               | 61 / 201                                              | 61 / 201                                               |                                                         |                         |      |      |
|                            |                   |                         | 2400K       | 113               | 64 / 209                                              | 64 / 209                                               |                                                         |                         |      |      |
|                            |                   |                         | 2700K       | 123               | 69 / 227                                              | 69 / 227                                               |                                                         |                         |      |      |
|                            |                   |                         | 3000K       | 123               | 69 / 227                                              | 69 / 227                                               |                                                         |                         |      |      |
|                            |                   |                         | 3500K       | 130               | 73 / 240                                              | 73 / 240                                               |                                                         |                         |      |      |
|                            |                   |                         | 4000K       | 134               | 75 / 247                                              | 75 / 247                                               |                                                         |                         |      |      |
|                            |                   |                         | 6000K       | 131               | 74 / 242                                              | 74 / 242                                               |                                                         |                         |      |      |
| 1.5 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 84                | 95 / 310                                              | 95 / 310                                               | IP20: 49 ft (15 m)<br>IP65/IP68: 32.8 ft (10 m)         | ✓                       | ✓    | ✓    |
|                            |                   |                         | 2000K       | 98                | 110 / 362                                             | 110 / 362                                              |                                                         |                         |      |      |
|                            |                   |                         | 2200K       | 109               | 123 / 402                                             | 123 / 402                                              |                                                         |                         |      |      |
|                            |                   |                         | 2400K       | 113               | 127 / 417                                             | 127 / 417                                              |                                                         |                         |      |      |
|                            |                   |                         | 2700K       | 123               | 138 / 454                                             | 138 / 454                                              |                                                         |                         |      |      |
|                            |                   |                         | 3000K       | 123               | 138 / 454                                             | 138 / 454                                              |                                                         |                         |      |      |
|                            |                   |                         | 3500K       | 129               | 145 / 476                                             | 145 / 476                                              |                                                         |                         |      |      |
|                            |                   |                         | 4000K       | 134               | 151 / 495                                             | 151 / 495                                              |                                                         |                         |      |      |
|                            |                   |                         | 6000K       | 131               | 147 / 484                                             | 147 / 484                                              |                                                         |                         |      |      |
| 2.2 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 83                | 137 / 449                                             | 137 / 449                                              | IP20: 42 ft (12.8 m)<br>IP65/IP68: 32.8 ft (10 m)       | ✓                       | ✓    | ✓    |
|                            |                   |                         | 2000K       | 96                | 158 / 520                                             | 158 / 520                                              |                                                         |                         |      |      |
|                            |                   |                         | 2200K       | 106               | 175 / 574                                             | 175 / 574                                              |                                                         |                         |      |      |
|                            |                   |                         | 2400K       | 111               | 183 / 601                                             | 183 / 601                                              |                                                         |                         |      |      |
|                            |                   |                         | 2700K       | 120               | 198 / 650                                             | 198 / 650                                              |                                                         |                         |      |      |
|                            |                   |                         | 3000K       | 122               | 201 / 660                                             | 201 / 660                                              |                                                         |                         |      |      |
|                            |                   |                         | 3500K       | 127               | 210 / 687                                             | 210 / 687                                              |                                                         |                         |      |      |
|                            |                   |                         | 4000K       | 133               | 219 / 720                                             | 219 / 720                                              |                                                         |                         |      |      |
|                            |                   |                         | 6000K       | 128               | 211 / 693                                             | 211 / 693                                              |                                                         |                         |      |      |
| 3.0 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 84                | 189 / 620                                             | 189 / 620                                              | IP20: 36 ft (11 m)<br>IP65/IP68: 32.8 ft (10 m)         | ✓                       | ✓    | ✓    |
|                            |                   |                         | 2000K       | 98                | 221 / 723                                             | 221 / 723                                              |                                                         |                         |      |      |
|                            |                   |                         | 2200K       | 108               | 243 / 797                                             | 243 / 797                                              |                                                         |                         |      |      |
|                            |                   |                         | 2400K       | 109.8             | 247 / 811                                             | 247 / 811                                              |                                                         |                         |      |      |
|                            |                   |                         | 2700K       | 122.9             | 277 / 907                                             | 277 / 907                                              |                                                         |                         |      |      |
|                            |                   |                         | 3000K       | 130               | 293 / 960                                             | 293 / 960                                              |                                                         |                         |      |      |
|                            |                   |                         | 3500K       | 133               | 299 / 982                                             | 299 / 982                                              |                                                         |                         |      |      |
|                            |                   |                         | 4000K       | 133               | 299 / 982                                             | 299 / 982                                              |                                                         |                         |      |      |
|                            |                   |                         | 6000K       | 128               | 288 / 945                                             | 288 / 945                                              |                                                         |                         |      |      |
| 4.4 Static White Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | 1800K       | 81                | 267 / 877                                             | 267 / 877                                              | 28 ft 4 in. (8.64 m)                                    | ✓                       | ✓    | ✓    |
|                            |                   |                         | 2000K       | 95                | 314 / 1029                                            | 314 / 1029                                             |                                                         |                         |      |      |
|                            |                   |                         | 2200K       | 105               | 347 / 1137                                            | 347 / 1137                                             |                                                         |                         |      |      |
|                            |                   |                         | 2400K       | 109               | 360 / 1180                                            | 360 / 1180                                             |                                                         |                         |      |      |
|                            |                   |                         | 2700K       | 122               | 403 / 1321                                            | 403 / 1321                                             |                                                         |                         |      |      |
|                            |                   |                         | 3000K       | 129               | 426 / 1397                                            | 426 / 1397                                             |                                                         |                         |      |      |
|                            |                   |                         | 3500K       | 132               | 436 / 1429                                            | 436 / 1429                                             |                                                         |                         |      |      |
|                            |                   |                         | 4000K       | 132               | 436 / 1429                                            | 436 / 1429                                             |                                                         |                         |      |      |
|                            |                   |                         | 6000K       | 126               | 416 / 1364                                            | 416 / 1364                                             |                                                         |                         |      |      |
| 5.0 Static White Series 2  | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | 1800K       | 83                | 311 / 1021                                            | 311 / 1021                                             | IP20: 33 ft 4 in. (10.1 m)<br>IP65/IP68: 32.8 ft (10 m) | ✓                       | ✓    | ✓    |
|                            |                   |                         | 2000K       | 98                | 368 / 1206                                            | 368 / 1206                                             |                                                         |                         |      |      |
|                            |                   |                         | 2200K       | 107               | 401 / 1316                                            | 401 / 1316                                             |                                                         |                         |      |      |
|                            |                   |                         | 2400K       | 110               | 412 / 1351                                            | 412 / 1351                                             |                                                         |                         |      |      |
|                            |                   |                         | 2700K       | 123               | 461 / 1512                                            | 461 / 1512                                             |                                                         |                         |      |      |
|                            |                   |                         | 3000K       | 130               | 488 / 1599                                            | 488 / 1599                                             |                                                         |                         |      |      |
|                            |                   |                         | 3500K       | 133               | 499 / 1636                                            | 499 / 1636                                             |                                                         |                         |      |      |
|                            |                   |                         | 4000K       | 133               | 499 / 1636                                            | 499 / 1636                                             |                                                         |                         |      |      |
|                            |                   |                         | 6000K       | 127               | 476 / 1562                                            | 476 / 1562                                             |                                                         |                         |      |      |

## RIBBONLYTE SPECIFICATIONS &amp; COMPATIBILITY

| Available Wattages           | Cuttable Length      | LED Pitch                   | Color Temp. | lm/W without Lens | Delivered Lumens with Round Milky Lens (lm/ft / lm/m) | Delivered Lumens with Square Milky Lens (lm/ft / lm/m) | Max Length                                                          | Compatible with Channel |      |      |
|------------------------------|----------------------|-----------------------------|-------------|-------------------|-------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------|-------------------------|------|------|
|                              |                      |                             |             |                   |                                                       |                                                        |                                                                     | IP20                    | IP65 | IP68 |
| 6.0 Static White Series 2    | 1.4 in.<br>(35.7 mm) | 68 LEDs/ft<br>(224 LEDs/m)  | 1800K       | 82                | 369 / 1211                                            | 369 / 1211                                             | 28 ft<br>(8.5 m)                                                    | ✓                       | ✓    | ✓    |
|                              |                      |                             | 2000K       | 95                | 428 / 1403                                            | 428 / 1403                                             |                                                                     |                         |      |      |
|                              |                      |                             | 2200K       | 106               | 477 / 1565                                            | 477 / 1565                                             |                                                                     |                         |      |      |
|                              |                      |                             | 2400K       | 109               | 491 / 1609                                            | 491 / 1609                                             |                                                                     |                         |      |      |
|                              |                      |                             | 2700K       | 122               | 549 / 1801                                            | 549 / 1801                                             |                                                                     |                         |      |      |
|                              |                      |                             | 3000K       | 129               | 581 / 1905                                            | 581 / 1905                                             |                                                                     |                         |      |      |
|                              |                      |                             | 3500K       | 132               | 594 / 1949                                            | 594 / 1949                                             |                                                                     |                         |      |      |
|                              |                      |                             | 4000K       | 132               | 594 / 1949                                            | 594 / 1949                                             |                                                                     |                         |      |      |
|                              |                      |                             | 6000K       | 126               | 567 / 1860                                            | 567 / 1860                                             |                                                                     |                         |      |      |
| 3.0 Static White Double Row  | 0.7 in.<br>(17.9 mm) | 136 LEDs/ft<br>(448 LEDs/m) | 1800K       | 73                | 158 / 518                                             | 158 / 518                                              | 65 ft 7 in.<br>(20 m)                                               | ✓                       | N/A  | N/A  |
|                              |                      |                             | 2000K       | 86                | 186 / 612                                             | 186 / 612                                              |                                                                     |                         |      |      |
|                              |                      |                             | 2200K       | 94                | 204 / 668                                             | 204 / 668                                              |                                                                     |                         |      |      |
|                              |                      |                             | 2400K       | 97                | 209 / 686                                             | 209 / 686                                              |                                                                     |                         |      |      |
|                              |                      |                             | 2700K       | 109               | 236 / 774                                             | 236 / 774                                              |                                                                     |                         |      |      |
|                              |                      |                             | 3000K       | 118               | 255 / 836                                             | 255 / 836                                              |                                                                     |                         |      |      |
|                              |                      |                             | 3500K       | 119               | 257 / 843                                             | 257 / 843                                              |                                                                     |                         |      |      |
|                              |                      |                             | 4000K       | 118               | 255 / 836                                             | 255 / 836                                              |                                                                     |                         |      |      |
|                              |                      |                             | 6000K       | 114               | 247 / 811                                             | 247 / 811                                              |                                                                     |                         |      |      |
| 6.0 Static White Double Row  | 0.7 in.<br>(17.9 mm) | 136 LEDs/ft<br>(448 LEDs/m) | 1800K       | 73                | 316 / 1036                                            | 316 / 1036                                             | 39 ft<br>(12 m)                                                     | ✓                       | N/A  | N/A  |
|                              |                      |                             | 2000K       | 86                | 373 / 1223                                            | 373 / 1223                                             |                                                                     |                         |      |      |
|                              |                      |                             | 2200K       | 94                | 407 / 1336                                            | 407 / 1336                                             |                                                                     |                         |      |      |
|                              |                      |                             | 2400K       | 97                | 418 / 1373                                            | 418 / 1373                                             |                                                                     |                         |      |      |
|                              |                      |                             | 2700K       | 109               | 472 / 1548                                            | 472 / 1548                                             |                                                                     |                         |      |      |
|                              |                      |                             | 3000K       | 118               | 510 / 1673                                            | 510 / 1673                                             |                                                                     |                         |      |      |
|                              |                      |                             | 3500K       | 119               | 514 / 1685                                            | 514 / 1685                                             |                                                                     |                         |      |      |
|                              |                      |                             | 4000K       | 118               | 510 / 1673                                            | 510 / 1673                                             |                                                                     |                         |      |      |
|                              |                      |                             | 6000K       | 114               | 495 / 1623                                            | 495 / 1623                                             |                                                                     |                         |      |      |
| 12.0 Static White Double Row | 0.7 in.<br>(17.9 mm) | 136 LEDs/ft<br>(448 LEDs/m) | 1800K       | 69                | 599 / 1967                                            | 599 / 1967                                             | 26 ft 3 in.<br>(8 m)                                                | ✓                       | N/A  | N/A  |
|                              |                      |                             | 2000K       | 82                | 708 / 2322                                            | 708 / 2322                                             |                                                                     |                         |      |      |
|                              |                      |                             | 2200K       | 89                | 773 / 2535                                            | 773 / 2535                                             |                                                                     |                         |      |      |
|                              |                      |                             | 2400K       | 92                | 794 / 2606                                            | 794 / 2606                                             |                                                                     |                         |      |      |
|                              |                      |                             | 2700K       | 104               | 895 / 2938                                            | 895 / 2938                                             |                                                                     |                         |      |      |
|                              |                      |                             | 3000K       | 112               | 968 / 3175                                            | 968 / 3175                                             |                                                                     |                         |      |      |
|                              |                      |                             | 3500K       | 113               | 975 / 3199                                            | 975 / 3199                                             |                                                                     |                         |      |      |
|                              |                      |                             | 4000K       | 112               | 968 / 3175                                            | 968 / 3175                                             |                                                                     |                         |      |      |
|                              |                      |                             | 6000K       | 109               | 939 / 3080                                            | 939 / 3080                                             |                                                                     |                         |      |      |
| 0.75 Static Color Series 2   | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m)  | Red         | 41                | 23 / 76                                               | 23 / 76                                                | IP20:<br>49 ft<br>(15 m)<br><br>IP65/<br>IP68:<br>32.8 ft<br>(10 m) | ✓                       | ✓    | ✓    |
|                              |                      |                             | Green       | 175               | 98 / 323                                              | 98 / 323                                               |                                                                     |                         |      |      |
|                              |                      |                             | Blue        | 19                | 11 / 35                                               | 11 / 35                                                |                                                                     |                         |      |      |
|                              |                      |                             | Amber       | 34                | 19 / 63                                               | 19 / 63                                                |                                                                     |                         |      |      |
| 1.5 Static Color Series 2    | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m)  | Red         | 42                | 47 / 155                                              | 47 / 155                                               | IP20:<br>49 ft<br>(15 m)<br><br>IP65/<br>IP68:<br>32.8 ft<br>(10 m) | ✓                       | ✓    | ✓    |
|                              |                      |                             | Green       | 160               | 180 / 591                                             | 180 / 591                                              |                                                                     |                         |      |      |
|                              |                      |                             | Blue        | 18                | 20 / 66                                               | 20 / 66                                                |                                                                     |                         |      |      |
|                              |                      |                             | Amber       | 34                | 38 / 125                                              | 38 / 125                                               |                                                                     |                         |      |      |

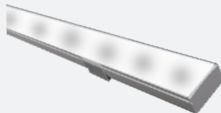
## RIBBONLYTE SPECIFICATIONS &amp; COMPATIBILITY

| Available Wattages             | Cutttable Length  | LED Pitch               | Color Temp.   | lm/W without Lens | Delivered Lumens with Round Milky Lens (lm/ft / lm/m) | Delivered Lumens with Square Milky Lens (lm/ft / lm/m) | Max Length                                           | Compatible with Channel |      |      |
|--------------------------------|-------------------|-------------------------|---------------|-------------------|-------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------|-------------------------|------|------|
|                                |                   |                         |               |                   |                                                       |                                                        |                                                      | IP20                    | IP65 | IP68 |
| 2.2 Static Color Series 2      | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 42                | 69 / 227                                              | 69 / 227                                               | IP20: 42 ft (12.8 m)<br>IP65/ IP68: 32.8 ft (10 m)   | ✓                       | ✓    | ✓    |
|                                |                   |                         | Green         | 145               | 239 / 785                                             | 239 / 785                                              |                                                      |                         |      |      |
|                                |                   |                         | Blue          | 18                | 30 / 97                                               | 30 / 97                                                |                                                      |                         |      |      |
|                                |                   |                         | Amber         | 34                | 56 / 184                                              | 56 / 184                                               |                                                      |                         |      |      |
| 3.0 Static Color Series 2      | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 40                | 90 / 295                                              | 90 / 295                                               | 32.8 ft (10 m)                                       | ✓                       | ✓    | ✓    |
|                                |                   |                         | Green         | 127               | 286 / 937                                             | 286 / 937                                              |                                                      |                         |      |      |
|                                |                   |                         | Blue          | 25                | 56 / 185                                              | 56 / 185                                               |                                                      |                         |      |      |
|                                |                   |                         | Amber         | 29                | 65 / 214                                              | 65 / 214                                               |                                                      |                         |      |      |
| 4.4 Static Color Series 2      | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 38                | 125 / 411                                             | 125 / 411                                              | 29 ft (8.8 m)                                        | ✓                       | ✓    | ✓    |
|                                |                   |                         | Green         | 117               | 386 / 1267                                            | 386 / 1267                                             |                                                      |                         |      |      |
|                                |                   |                         | Blue          | 24                | 79 / 260                                              | 79 / 260                                               |                                                      |                         |      |      |
|                                |                   |                         | Amber         | 25                | 83 / 271                                              | 83 / 271                                               |                                                      |                         |      |      |
| 5.0 Static Color Series 2      | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red           | 37                | 139 / 455                                             | 139 / 455                                              | 30 ft (9.14 m)                                       | ✓                       | ✓    | ✓    |
|                                |                   |                         | Green         | 116               | 435 / 1427                                            | 435 / 1427                                             |                                                      |                         |      |      |
|                                |                   |                         | Blue          | 24                | 90 / 295                                              | 90 / 295                                               |                                                      |                         |      |      |
|                                |                   |                         | Amber         | 26                | 98 / 320                                              | 98 / 320                                               |                                                      |                         |      |      |
| 6.0 Static Color Series 2      | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red           | 37                | 167 / 546                                             | 167 / 546                                              | 28 ft (8.5 m)                                        | ✓                       | ✓    | ✓    |
|                                |                   |                         | Green         | 113               | 509 / 1668                                            | 509 / 1668                                             |                                                      |                         |      |      |
|                                |                   |                         | Blue          | 23                | 104 / 340                                             | 104 / 340                                              |                                                      |                         |      |      |
|                                |                   |                         | Amber         | 24                | 108 / 354                                             | 108 / 354                                              |                                                      |                         |      |      |
| 1.0 Variable White Series 2    | 1.97 in. (50 mm)  | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 85                | 64 / 209                                              | 64 / 209                                               | 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                | 180 / 591                                             | 180 / 591                                              | 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                | 337.5 / 1107                                          | 337.5 / 1107                                           | 32.8 ft (10 m)                                       | ✓                       | ✓    | ✓    |
| 3.0 Variable White Double Row  | 1.97 in. (50 mm)  | 84 LEDs/ft (280 LEDs/m) | 2000K + 6500K | 87                | 188 / 617                                             | 188 / 617                                              | 65 ft 7 in. (20 m)                                   | ✓                       | N/A  | N/A  |
| 6.0 Variable White Double Row  | 1.97 in. (50 mm)  | 84 LEDs/ft (280 LEDs/m) | 2000K + 6500K | 82                | 354 / 1162                                            | 354 / 1162                                             | 45 ft 11 in. (14 m)                                  | ✓                       | N/A  | N/A  |
| 12.0 Variable White Double Row | 1.97 in. (50 mm)  | 84 LEDs/ft (280 LEDs/m) | 2000K + 6500K | 71                | 613 / 2013                                            | 613 / 2013                                             | 22 ft 11 in. (7 m)                                   | ✓                       | N/A  | N/A  |
| 4.4 RGBW Series 2              | 1.97 in. (50 mm)  | 36 LEDs/ft (120 LEDs/m) | RGBW          | 45                | 138.6 / 454.7                                         | 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                | 272.2 / 745.3                                         | 272.2 / 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                                        | 375.8 / 1232.9                                         | 16 ft 4 in. (5 m)                                    | ✓                       | N/A  | N/A  |

**RIBBONLYTE SPECIFICATIONS & COMPATIBILITY**

| Available Wattages   | Cuttable Length     | LED Pitch               | Color Temp. | lm/W without Lens | Delivered Lumens with Round Milky Lens (lm/ft / lm/m) | Delivered Lumens with Square Milky Lens (lm/ft / lm/m) | Max Length              | Compatible with Channel |      |        |
|----------------------|---------------------|-------------------------|-------------|-------------------|-------------------------------------------------------|--------------------------------------------------------|-------------------------|-------------------------|------|--------|
|                      |                     |                         |             |                   |                                                       |                                                        |                         | IP20                    | IP65 | IP68   |
| 3.0 RGBW Double Row  | 1.3 in. (33 mm)     | 72 LEDs/ft (240 LEDs/m) | RGBW        | 91                | 205 / 672                                             | 205 / 672                                              | 26 ft 3 in. (8 m)       | ✓                       | N/A  | N/A    |
| 3.0 RGBA Double Row  | 1.3 in. (33 mm)     | 72 LEDs/ft (240 LEDs/m) | RGBA        | 78                | 205 / 672                                             | 205 / 672                                              | 26 ft 3 in. (8 m)       | ✓                       | N/A  | N/A    |
| 6.0 RGBW Double Row  | 1.3 in. (33 mm)     | 72 LEDs/ft (240 LEDs/m) | RGBW        | 91                | 410 / 1344                                            | 410 / 1344                                             | 22 ft 11 in. (7 m)      | ✓                       | N/A  | N/A    |
| 6.0 RGBA Double Row  | 1.3 in. (33 mm)     | 72 LEDs/ft (240 LEDs/m) | RGBA        | 80                | 410 / 1344                                            | 410 / 1344                                             | 22 ft 11 in. (7 m)      | ✓                       | N/A  | N/A    |
| 12.0 RGBW Double Row | 1.3 in. (33 mm)     | 72 LEDs/ft (240 LEDs/m) | RGBW        | 79                | 711 / 2333                                            | 711 / 2333                                             | 14 ft 9 in. (4.5 m)     | ✓                       | N/A  | N/A    |
| 12.0 RGBA Double Row | 1.3 in. (33 mm)     | 72 LEDs/ft (240 LEDs/m) | RGBA        | 75                | 711 / 2333                                            | 711 / 2333                                             | 14 ft 9 in. (4.5 m)     | ✓                       | N/A  | N/A    |
| 4.4 RGBW             | 6.55 in. (166.4 mm) | 18 LEDs/ft (60 LEDs/m)  | RGBW        | 65                | 215 / 704                                             | 215 / 704                                              | 19 ft 7.9 in. (6 m)     | ✓                       | ✓    | ✓      |
| 4.4 RGBA             | 6.55 in. (166.4 mm) | 18 LEDs/ft (60 LEDs/m)  | RGBA        | 33                | 109 / 357                                             | 109 / 357                                              | 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                | 210 / 690                                             | 210 / 690                                              | 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                | 111 / 365                                             | 111 / 365                                              | 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                                         | 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                                        | 308 / 1010.5                                           | 11 ft 6 in (3.5 m)      | ✓                       | N/A  | N/A    |
| 8.8 RGBW             | 3.94 in. (100 mm)   | 36 LEDs/ft (120 LEDs/m) | RGBW        | 61                | 403 / 1321                                            | 403 / 1321                                             | 19 ft 7.9 in. (6 m)     | ✓                       | ✓    | ✓      |
| 8.8 RGBA             | 3.94 in. (100 mm)   | 36 LEDs/ft (120 LEDs/m) | RGBA        | 22                | 145 / 476                                             | 145 / 476                                              | 19 ft 7.9 in. (6 m)     | ✓                       | ✓    | ✓      |
| RGBW Addressable     | 3.94 in. (100 mm)   | 18 LEDs/ft (60 LEDs/m)  | Red         | 33.5              | 25.1 / 82.5                                           | 25.1 / 82.5                                            | 16 ft 5.64 in. (5.02 m) | N/A                     | N/A  | ✓ IP67 |
|                      |                     |                         | Green       | 82                | 61.5 / 201.8                                          | 61.5 / 201.8                                           |                         |                         |      |        |
|                      |                     |                         | Blue        | 15.5              | 11.6 / 38.1                                           | 11.6 / 38.1                                            |                         |                         |      |        |
|                      |                     |                         | White       | 103               | 77.3 / 253.5                                          | 77.3 / 253.5                                           |                         |                         |      |        |
| All                  |                     |                         | White       | 40                | 181.6 / 595.8                                         | 181.6 / 595.8                                          |                         |                         |      |        |
|                      |                     |                         | All         |                   |                                                       |                                                        |                         |                         |      |        |
| 5.2 Warm Dim         | 3.94 in. (100 mm)   | 36 LEDs/ft (120 LEDs/m) | WARM DIM    | 55                | 215 / 704                                             | 215 / 704                                              | 16 ft 4 in. (5 m)       | ✓                       | ✓    | ✓      |

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

|  No Visible Diode = <b>N</b> |                      |                      |                         |                           |                   |                   |                                |  With Visible Diode = <b>Y</b> |                      |                      |                      |                      |                         |                                        |                  |
|-----------------------------------------------------------------------------------------------------------------|----------------------|----------------------|-------------------------|---------------------------|-------------------|-------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|----------------------------------------|------------------|
| Static White & Static Color RibbonLyte                                                                          |                      |                      | Static White            | Color Changing RibbonLyte |                   |                   |                                |                                                                                                                    |                      |                      |                      |                      |                         |                                        |                  |
| 0.75/1.5/2.2                                                                                                    | 3.0/4.4              | 5.0/6.0              | 3.0/6.0/12.0 Double Row | 4.4 RGBW Series 2         | 5.5 RGBW Series 2 | 8.8 RGBW Series 2 | 3.0/6.0/12.0 RGBW/A Double Row | 4.4 RGBW/A                                                                                                         | 5.5 4-in-1 RGBW/A    | 4.4/8.8 5-in-1 RGBWW | 8.8 RGBW/A           | Warm Dim             | Variable White Series 2 | 3.0/6.0/12.0 Variable White Double Row | RGBW Addressable |
| IP20<br>IP65<br>IP68                                                                                            | IP20<br>IP65<br>IP68 | IP20<br>IP65<br>IP68 | IP20                    | IP20                      | IP65<br>IP68      | IP20              | IP20                           | IP20<br>IP65<br>IP68                                                                                               | IP20<br>IP65<br>IP68 | IP20                 | IP20<br>IP65<br>IP68 | IP20<br>IP65<br>IP68 | IP20<br>IP65<br>IP68    | IP20                                   | IP67             |
| <b>N</b>                                                                                                        | <b>N</b>             | <b>N</b>             | <b>N</b>                | <b>N</b>                  | <b>N</b>          | <b>N</b>          | <b>N</b>                       | <b>N</b>                                                                                                           | <b>N</b>             | <b>N</b>             | <b>N</b>             | <b>N</b>             | <b>N</b>                | <b>N</b>                               | <b>N</b>         |

## 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



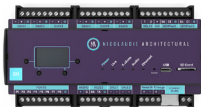
**1 ZONE WALL CONTROLLER**  
 Part Number: DMXCTRLG



**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



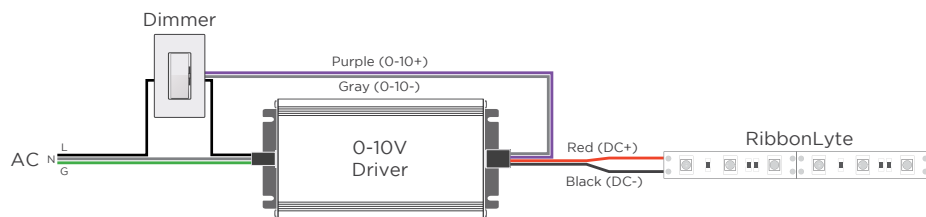
**DMX OPTO SPLITTER**  
 Part Number: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

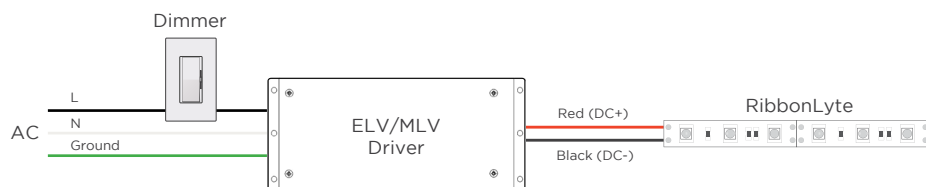
| Wattages   | 30   |        | 60   |        | 96   |        | 150  |        | 200  |        | 240  |        | 300  |        | 320  |        |
|------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| Wire Gauge | 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

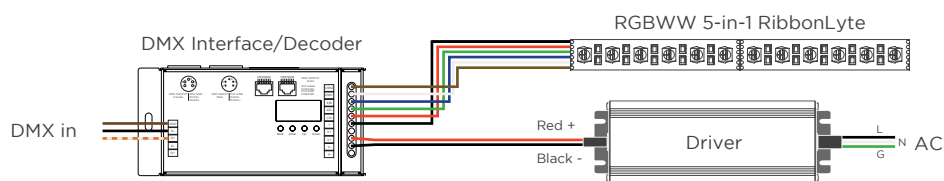
### 0-10V



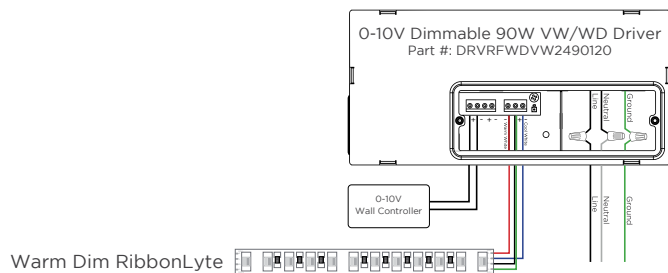
### MLV / ELV



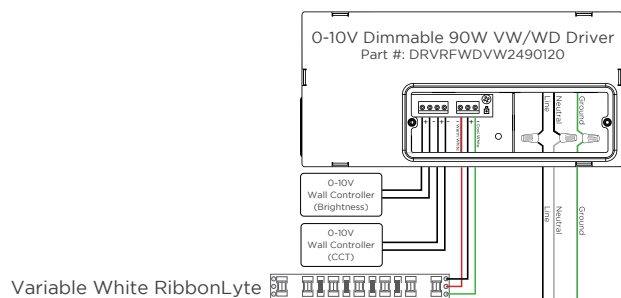
### DMX



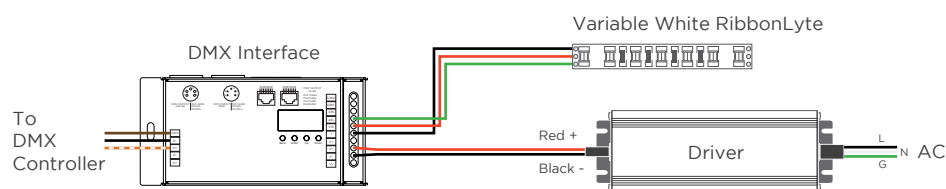
### WARM DIM



### 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

## WIRING DIAGRAMS WITH RGBW ADDRESSABLE RIBBONLYTE

One DMX Universe consists of 128 addresses and 512 channels (42 ft, 8 in. of RibbonLyte).

Any single run of RibbonLyte that is less than 16 ft, 4 in. can be wired directly to the controller.

For additional runs, Opto Splitter must be used. Each individual run will need its own Opto Splitter output.

