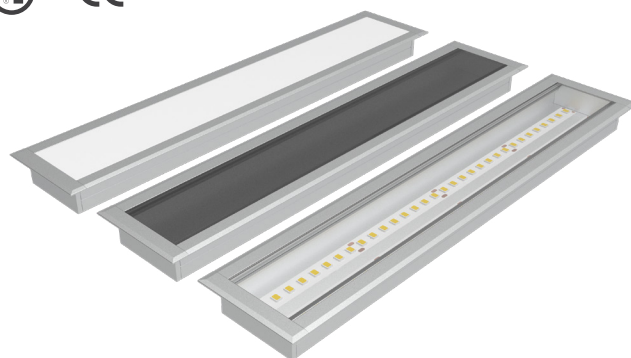


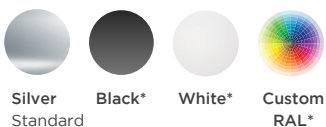
## AR30 CHANNEL FIXTURE

AR30 Channel is a shallow recessed aluminum channel that offers the choice of clear, milky or black lens to create a full range of light output options. Design a custom fixture for nearly any application with AR30 Channel and our RibbonLyte products.

- Available for field assembly or factory assembly
- 1.75 in. (44.4 mm) wide by 0.55 in. (14 mm) deep
- Beam angle: 110°
- Wattage Range from 0.75 W/ft (2.46 W/m) to 12 W/ft (39.4 W/m)
- Static White delivered lumen range from 44 lm/ft (145 lm/m) up to 1273 lm/ft (4176 lm/m)
- Clear, Milky or Black lens



## HOUSING FINISHES



\*Additional fee applies

## LENS FINISHES



**Clear Lens**  
93% Light Transmission



**Milky Lens**  
75% Light Transmission



**Black Lens\*\***  
70% Light Transmission

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

## AVAILABLE COLORS & COLOR TEMPERATURES



## DIMENSIONS

| AR30 Channel                                                                                                                             | Mounting Clip                                                                                                                                                                                                     | Spring Clip                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Width: 1.75 in. (44.4 mm)<br/>Height: 0.55 in. (14 mm)<br/>Internal Width: 1.22 in. (31 mm)<br/>Internal Height: 0.51 in. (13 mm)</p> | <p><b>Side View</b></p> <p>0.3 in. (7.7 mm)<br/>1.48 in. (37.6 mm)</p> <p><b>Top View</b></p> <p>1.18 in. (30 mm)</p> <p><b>Assembled Views</b></p> <p>Width: 1.18 in. (30 mm)<br/>Length: 1.48 in. (37.6 mm)</p> | <p><b>Front View</b></p> <p>1.48 in. (37.6 mm)<br/>2.47 in. (62.7 mm)</p> <p><b>Side View</b></p> <p>0.59 in. (15 mm)<br/>0.31 in. (8 mm)<br/>0.87 in. (22 mm)<br/>0.63 in. (16 mm)<br/>1.81 in. (46 mm)<br/>2.6 in. (66 mm)<br/>3.46 in. (88 mm)</p> <p><b>Bottom View</b></p> <p>Width: 0.98 in. (25 mm)<br/>Height: 1.81 in. (46 mm)</p> |

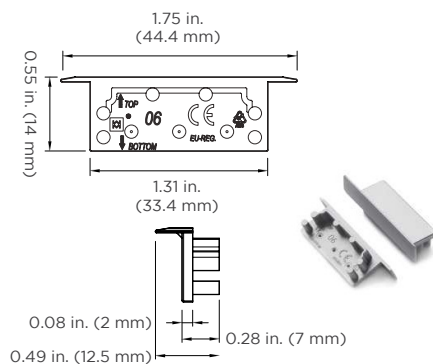
**NOTE:** Exterior channel applications should be securely attached to the mounting surface with appropriate screws and/or liquid nails. Acolyte strongly recommends field assembly for exterior applications. Use mounting clips for interior applications only.

## SPECIFICATIONS

|                         |                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Beam Angle              | 110°                                                                                                                                                                                                                                   |
| Lens Type               | Clear Lens, Milky Lens, Black 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 / 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          | UL Listed UL 2108 Issued: 2004/02/27 Ed: 1 Rev: 2014/02/24 Low Voltage Lighting Systems CSA C22.2#9.0 Issued: 1996/06/01 Ed: 1 (R2011) General Requirements for Luminaries; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant |

## ACCESSORIES

### End Cap



## STEP 1 Complete Channel Part Number

| CHANNEL               | LENS            | HOUSING COLOR                                | MOUNTING TYPE      |
|-----------------------|-----------------|----------------------------------------------|--------------------|
| <b>CHAR30</b>         |                 |                                              |                    |
| CHAR30 - AR30 Channel | C - Clear Lens  | SV - Silver                                  | C - Mounting Clips |
|                       | M - Milky Lens  | BK - Black                                   | S - Spring Clips   |
|                       | BK - Black Lens | WH - White Consult factory for custom colors |                    |

## STEP 2 Complete RibbonLyte Part Number

| CATEGORY        | CRI                              | RIBBON TYPE & IP RATING               |                                    |                                         |
|-----------------|----------------------------------|---------------------------------------|------------------------------------|-----------------------------------------|
| <b>RB</b>       |                                  |                                       |                                    |                                         |
| RB - RibbonLyte | 0 - Static Color, Color Changing | SWS220 - Static White Series 2 IP20   | RGBWADD - Addressable RGBW IP67    | VWDR20 - Variable White Double Row IP20 |
|                 | 90 - 90+ CRI Static White        | SWS265 - Static White Series 2 IP65   | RGBWS220 - RGBW Series 2 IP20      | VWS220 - VW Series 2 IP20               |
|                 |                                  | SWS268 - Static White Series 2 IP68   | RGBWS265 - RGBW Series 2 IP65      | VWS265 - VW Series 2 IP65               |
|                 |                                  | SWDR20 - Static White Double Row IP20 | RGBWS268 - RGBW Series 2 IP68      | VWS268 - VW Series 2 IP68               |
|                 |                                  | SCS220 - Static Color Series 2 IP20   | RGBWA20 - RGBW/A IP20              | WD20 - Warm Dim IP20                    |
|                 |                                  | SCS265 - Static Color Series 2 IP65   | RGBWA65 - RGBW/A IP65              | WD65 - Warm Dim IP65                    |
|                 |                                  | SCS268 - Static Color Series 2 IP68   | RGBWA68 - RGBW/A IP68              | WD68 - Warm Dim IP68                    |
|                 |                                  | RGBWW20 - RGBWW 5-in-1 IP20           | RGBWADR20 - RGBW/A Double Row 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, RGBA, RGBWW)  
 12.0 - 12.0 W/ft (39.4 W/m - Static White, Variable White, RGBW, RGBA)

### COLOR

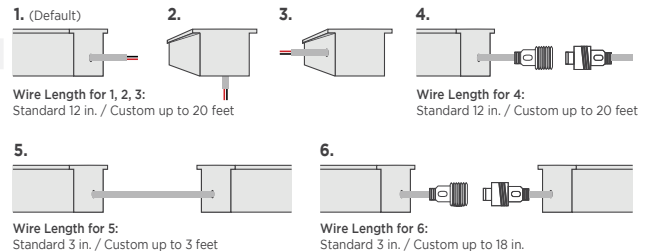
18 - 1800K VW - Variable White  
 20 - 2000K RGB27 - Red, Green, Blue + 2700K  
 22 - 2200K RGB30 - Red, Green, Blue + 3000K  
 24 - 2400K RGB40 - Red, Green, Blue + 4000K  
 27 - 2700K RGB60 - Red, Green, Blue + 6000K  
 30 - 3000K RGB2465 - Red, Green, Blue + 2400K + 6500K  
 35 - 3500K RGBA - Red, 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)

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

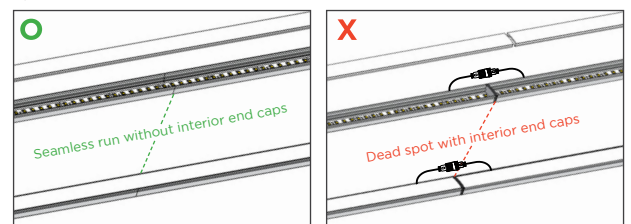
| ASSEMBLY OPTION | LENGTH (Standard factory assembled length up to 6 ft 6.7 in. / 2 m) |
|-----------------|---------------------------------------------------------------------|
|-----------------|---------------------------------------------------------------------|

\* Factory assembled runs exceeding 6 ft 6.7 in. (2 m) will be split into multiple daisy chained fixtures.  
 FA - Field Assembly

FA - Factory Assembly\* (not recommended for exterior applications)

### DO NOT BUTT END CAPS AGAINST EACH OTHER WHEN CREATING LONGER FIXTURES

Acolyte STRONGLY SUGGESTS field assembly (without using interior end caps) for direct-view fixtures of more than 6 ft 6.7 in. (2 m) in length. Field assembly without interior end caps will eliminate gaps or dead spots that can be caused by butting interior end caps against each other.



FIELD ASSEMBLY EXAMPLE

FACTORY ASSEMBLY EXAMPLE

## RIBBONLYTE SPECIFICATIONS &amp; COMPATIBILITY

| Available Wattage          | Cuttable Length      | LED Pitch                  | Color Temp. | lm/W without Lens | Delivered Lumens                |                                 |                                 | Max Length                                                              | Compatible with Channel |      |      |
|----------------------------|----------------------|----------------------------|-------------|-------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------------------------------------------------------|-------------------------|------|------|
|                            |                      |                            |             |                   | with Clear Lens<br>lm/ft / lm/m | with Milky Lens<br>lm/ft / lm/m | with Black Lens<br>lm/ft / lm/m |                                                                         | IP20                    | IP65 | IP68 |
| 0.75 Static White Series 2 | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | 1800K       | 84                | 59 / 192                        | 47 / 155                        | 44 / 145                        | IP20:<br>49 ft<br>(15 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m)         | ✓                       | ✓    | ✓    |
|                            |                      |                            | 2000K       | 99                | 69 / 227                        | 56 / 183                        | 52 / 171                        |                                                                         |                         |      |      |
|                            |                      |                            | 2200K       | 109               | 76 / 249                        | 61 / 201                        | 57 / 188                        |                                                                         |                         |      |      |
|                            |                      |                            | 2400K       | 113               | 79 / 259                        | 64 / 209                        | 59 / 195                        |                                                                         |                         |      |      |
|                            |                      |                            | 2700K       | 123               | 86 / 281                        | 69 / 227                        | 65 / 212                        |                                                                         |                         |      |      |
|                            |                      |                            | 3000K       | 123               | 86 / 281                        | 69 / 227                        | 65 / 212                        |                                                                         |                         |      |      |
|                            |                      |                            | 3500K       | 130               | 91 / 297                        | 73 / 240                        | 68 / 224                        |                                                                         |                         |      |      |
|                            |                      |                            | 4000K       | 134               | 93 / 307                        | 75 / 247                        | 70 / 231                        |                                                                         |                         |      |      |
|                            |                      |                            | 6000K       | 131               | 91 / 300                        | 74 / 242                        | 69 / 226                        |                                                                         |                         |      |      |
| 1.5 Static White Series 2  | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | 1800K       | 84                | 117 / 384                       | 95 / 310                        | 88 / 289                        | IP20:<br>49 ft<br>(15 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m)         | ✓                       | ✓    | ✓    |
|                            |                      |                            | 2000K       | 98                | 137 / 384                       | 110 / 362                       | 103 / 338                       |                                                                         |                         |      |      |
|                            |                      |                            | 2200K       | 109               | 152 / 499                       | 123 / 402                       | 114 / 375                       |                                                                         |                         |      |      |
|                            |                      |                            | 2400K       | 113               | 158 / 517                       | 127 / 417                       | 119 / 389                       |                                                                         |                         |      |      |
|                            |                      |                            | 2700K       | 123               | 172 / 563                       | 138 / 454                       | 129 / 424                       |                                                                         |                         |      |      |
|                            |                      |                            | 3000K       | 123               | 172 / 563                       | 138 / 454                       | 129 / 424                       |                                                                         |                         |      |      |
|                            |                      |                            | 3500K       | 129               | 180 / 590                       | 145 / 476                       | 135 / 444                       |                                                                         |                         |      |      |
|                            |                      |                            | 4000K       | 134               | 187 / 613                       | 151 / 495                       | 141 / 462                       |                                                                         |                         |      |      |
|                            |                      |                            | 6000K       | 131               | 183 / 600                       | 147 / 484                       | 138 / 451                       |                                                                         |                         |      |      |
| 2.2 Static White Series 2  | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | 1800K       | 83                | 170 / 557                       | 137 / 449                       | 128 / 419                       | IP20:<br>42 ft<br>(12.8 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m)       | ✓                       | ✓    | ✓    |
|                            |                      |                            | 2000K       | 96                | 196 / 644                       | 158 / 520                       | 148 / 485                       |                                                                         |                         |      |      |
|                            |                      |                            | 2200K       | 106               | 217 / 712                       | 175 / 574                       | 163 / 536                       |                                                                         |                         |      |      |
|                            |                      |                            | 2400K       | 111               | 227 / 745                       | 183 / 601                       | 171 / 561                       |                                                                         |                         |      |      |
|                            |                      |                            | 2700K       | 120               | 246 / 806                       | 198 / 650                       | 185 / 606                       |                                                                         |                         |      |      |
|                            |                      |                            | 3000K       | 122               | 250 / 819                       | 201 / 660                       | 188 / 616                       |                                                                         |                         |      |      |
|                            |                      |                            | 3500K       | 127               | 260 / 852                       | 210 / 687                       | 196 / 642                       |                                                                         |                         |      |      |
|                            |                      |                            | 4000K       | 133               | 272 / 893                       | 219 / 720                       | 205 / 672                       |                                                                         |                         |      |      |
|                            |                      |                            | 6000K       | 128               | 262 / 859                       | 211 / 693                       | 197 / 647                       |                                                                         |                         |      |      |
| 3.0 Static White Series 2  | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | 1800K       | 84                | 234 / 769                       | 189 / 620                       | 176 / 579                       | IP20:<br>36 ft<br>(11 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m)         | ✓                       | ✓    | ✓    |
|                            |                      |                            | 2000K       | 98                | 273 / 897                       | 221 / 723                       | 206 / 675                       |                                                                         |                         |      |      |
|                            |                      |                            | 2200K       | 108               | 301 / 989                       | 243 / 797                       | 227 / 744                       |                                                                         |                         |      |      |
|                            |                      |                            | 2400K       | 109.8             | 306 / 1005                      | 247 / 811                       | 231 / 756                       |                                                                         |                         |      |      |
|                            |                      |                            | 2700K       | 122.9             | 343 / 1125                      | 277 / 907                       | 258 / 847                       |                                                                         |                         |      |      |
|                            |                      |                            | 3000K       | 130               | 363 / 1190                      | 293 / 960                       | 273 / 896                       |                                                                         |                         |      |      |
|                            |                      |                            | 3500K       | 133               | 371 / 1217                      | 299 / 982                       | 279 / 916                       |                                                                         |                         |      |      |
|                            |                      |                            | 4000K       | 133               | 371 / 1217                      | 299 / 982                       | 279 / 916                       |                                                                         |                         |      |      |
|                            |                      |                            | 6000K       | 128               | 357 / 1172                      | 288 / 945                       | 269 / 882                       |                                                                         |                         |      |      |
| 4.4 Static White Series 2  | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | 1800K       | 81                | 331 / 1087                      | 267 / 877                       | 249 / 818                       | 28 ft 4 in.<br>(8.64 m)                                                 | ✓                       | ✓    | ✓    |
|                            |                      |                            | 2000K       | 95                | 389 / 1275                      | 314 / 1029                      | 293 / 960                       |                                                                         |                         |      |      |
|                            |                      |                            | 2200K       | 105               | 430 / 1410                      | 347 / 1137                      | 323 / 1061                      |                                                                         |                         |      |      |
|                            |                      |                            | 2400K       | 109               | 446 / 1463                      | 360 / 1180                      | 336 / 1101                      |                                                                         |                         |      |      |
|                            |                      |                            | 2700K       | 122               | 499 / 1638                      | 403 / 1321                      | 376 / 1233                      |                                                                         |                         |      |      |
|                            |                      |                            | 3000K       | 129               | 528 / 1732                      | 426 / 1397                      | 397 / 1304                      |                                                                         |                         |      |      |
|                            |                      |                            | 3500K       | 132               | 540 / 1772                      | 436 / 1429                      | 407 / 1334                      |                                                                         |                         |      |      |
|                            |                      |                            | 4000K       | 132               | 540 / 1772                      | 436 / 1429                      | 407 / 1334                      |                                                                         |                         |      |      |
|                            |                      |                            | 6000K       | 126               | 516 / 1692                      | 416 / 1364                      | 388 / 1273                      |                                                                         |                         |      |      |
| 5.0 Static White Series 2  | 1.4 in.<br>(35.7 mm) | 68 LEDs/ft<br>(224 LEDs/m) | 1800K       | 83                | 386 / 1266                      | 311 / 1021                      | 291 / 953                       | IP20:<br>33 ft 4 in.<br>(10.1 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m) | ✓                       | ✓    | ✓    |
|                            |                      |                            | 2000K       | 98                | 456 / 1495                      | 368 / 1206                      | 343 / 1125                      |                                                                         |                         |      |      |
|                            |                      |                            | 2200K       | 107               | 498 / 1632                      | 401 / 1316                      | 375 / 1229                      |                                                                         |                         |      |      |
|                            |                      |                            | 2400K       | 110               | 511 / 1675                      | 412 / 1351                      | 384 / 1261                      |                                                                         |                         |      |      |
|                            |                      |                            | 2700K       | 123               | 571 / 1875                      | 461 / 1512                      | 430 / 1411                      |                                                                         |                         |      |      |
|                            |                      |                            | 3000K       | 130               | 605 / 1983                      | 488 / 1599                      | 455 / 1493                      |                                                                         |                         |      |      |
|                            |                      |                            | 3500K       | 133               | 618 / 2029                      | 499 / 1636                      | 466 / 1527                      |                                                                         |                         |      |      |
|                            |                      |                            | 4000K       | 133               | 618 / 2029                      | 499 / 1636                      | 466 / 1527                      |                                                                         |                         |      |      |
|                            |                      |                            | 6000K       | 127               | 591 / 1937                      | 476 / 1562                      | 445 / 1458                      |                                                                         |                         |      |      |

## RIBBONLYTE SPECIFICATIONS &amp; COMPATIBILITY

| Available Wattages           | Cutttable Length     | LED Pitch                   | Color Temp. | lm/W without Lens | Delivered Lumens                |                                 |                                 | Max Length                                                      | Compatible with Channel |      |      |
|------------------------------|----------------------|-----------------------------|-------------|-------------------|---------------------------------|---------------------------------|---------------------------------|-----------------------------------------------------------------|-------------------------|------|------|
|                              |                      |                             |             |                   | with Clear Lens<br>lm/ft / lm/m | with Milky Lens<br>lm/ft / lm/m | with Black Lens<br>lm/ft / lm/m |                                                                 | 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                | 458 / 1501                      | 369 / 1211                      | 344 / 1130                      | 28 ft<br>(8.5 m)                                                | ✓                       | ✓    | ✓    |
|                              |                      |                             | 2000K       | 95                | 530 / 1739                      | 428 / 1403                      | 399 / 1309                      |                                                                 |                         |      |      |
|                              |                      |                             | 2200K       | 106               | 591 / 1941                      | 477 / 1565                      | 445 / 1461                      |                                                                 |                         |      |      |
|                              |                      |                             | 2400K       | 109               | 608 / 1995                      | 491 / 1609                      | 458 / 1502                      |                                                                 |                         |      |      |
|                              |                      |                             | 2700K       | 122               | 681 / 2233                      | 549 / 1801                      | 512 / 1681                      |                                                                 |                         |      |      |
|                              |                      |                             | 3000K       | 129               | 720 / 2362                      | 581 / 1905                      | 542 / 1778                      |                                                                 |                         |      |      |
|                              |                      |                             | 3500K       | 132               | 737 / 2417                      | 594 / 1949                      | 554 / 1819                      |                                                                 |                         |      |      |
|                              |                      |                             | 4000K       | 132               | 737 / 2417                      | 594 / 1949                      | 554 / 1819                      |                                                                 |                         |      |      |
|                              |                      |                             | 6000K       | 126               | 703 / 2307                      | 567 / 1860                      | 529 / 1736                      |                                                                 |                         |      |      |
| 3.0 Static White Double Row  | 0.7 in.<br>(17.9 mm) | 136 LEDs/ft<br>(448 LEDs/m) | 1800K       | 73                | 206 / 676                       | 202 / 662                       | 153 / 504                       | 65 ft 7 in.<br>(20 m)                                           | ✓                       | N/A  | N/A  |
|                              |                      |                             | 2000K       | 86                | 243 / 798                       | 238 / 781                       | 181 / 595                       |                                                                 |                         |      |      |
|                              |                      |                             | 2200K       | 94                | 266 / 872                       | 260 / 853                       | 198 / 649                       |                                                                 |                         |      |      |
|                              |                      |                             | 2400K       | 97                | 273 / 896                       | 267 / 877                       | 203 / 667                       |                                                                 |                         |      |      |
|                              |                      |                             | 2700K       | 109               | 308 / 1010                      | 301 / 989                       | 229 / 752                       |                                                                 |                         |      |      |
|                              |                      |                             | 3000K       | 118               | 333 / 1092                      | 326 / 1069                      | 248 / 813                       |                                                                 |                         |      |      |
|                              |                      |                             | 3500K       | 119               | 335 / 1100                      | 328 / 1077                      | 250 / 819                       |                                                                 |                         |      |      |
|                              |                      |                             | 4000K       | 118               | 333 / 1092                      | 326 / 1069                      | 248 / 813                       |                                                                 |                         |      |      |
|                              |                      |                             | 6000K       | 114               | 323 / 1059                      | 316 / 1037                      | 240 / 789                       |                                                                 |                         |      |      |
| 6.0 Static White Double Row  | 0.7 in.<br>(17.9 mm) | 136 LEDs/ft<br>(448 LEDs/m) | 1800K       | 73                | 412 / 1353                      | 403 / 1324                      | 307 / 1007                      | 39 ft<br>(12 m)                                                 | ✓                       | N/A  | N/A  |
|                              |                      |                             | 2000K       | 86                | 487 / 1597                      | 476 / 1563                      | 362 / 1189                      |                                                                 |                         |      |      |
|                              |                      |                             | 2200K       | 94                | 531 / 1744                      | 520 / 1707                      | 396 / 1298                      |                                                                 |                         |      |      |
|                              |                      |                             | 2400K       | 97                | 546 / 1792                      | 535 / 1754                      | 407 / 1335                      |                                                                 |                         |      |      |
|                              |                      |                             | 2700K       | 109               | 616 / 2021                      | 603 / 1978                      | 459 / 1505                      |                                                                 |                         |      |      |
|                              |                      |                             | 3000K       | 118               | 666 / 2184                      | 651 / 2137                      | 496 / 1626                      |                                                                 |                         |      |      |
|                              |                      |                             | 3500K       | 119               | 670 / 2200                      | 656 / 2153                      | 499 / 1638                      |                                                                 |                         |      |      |
|                              |                      |                             | 4000K       | 118               | 666 / 2184                      | 651 / 2137                      | 496 / 1626                      |                                                                 |                         |      |      |
|                              |                      |                             | 6000K       | 114               | 646 / 2118                      | 632 / 2073                      | 481 / 1578                      |                                                                 |                         |      |      |
| 12.0 Static White Double Row | 0.7 in.<br>(17.9 mm) | 136 LEDs/ft<br>(448 LEDs/m) | 1800K       | 69                | 783 / 2567                      | 766 / 2513                      | 583 / 1912                      | 26 ft 3 in.<br>(8 m)                                            | ✓                       | N/A  | N/A  |
|                              |                      |                             | 2000K       | 82                | 924 / 3031                      | 904 / 2967                      | 688 / 2257                      |                                                                 |                         |      |      |
|                              |                      |                             | 2200K       | 89                | 1009 / 3310                     | 987 / 3239                      | 751 / 2465                      |                                                                 |                         |      |      |
|                              |                      |                             | 2400K       | 92                | 1037 / 3403                     | 1015 / 3330                     | 772 / 2534                      |                                                                 |                         |      |      |
|                              |                      |                             | 2700K       | 104               | 1169 / 3836                     | 1144 / 3754                     | 871 / 2856                      |                                                                 |                         |      |      |
|                              |                      |                             | 3000K       | 112               | 1263 / 4145                     | 1236 / 4057                     | 941 / 3087                      |                                                                 |                         |      |      |
|                              |                      |                             | 3500K       | 113               | 1273 / 4176                     | 1246 / 4087                     | 948 / 3110                      |                                                                 |                         |      |      |
|                              |                      |                             | 4000K       | 112               | 1263 / 4145                     | 1236 / 4057                     | 941 / 3087                      |                                                                 |                         |      |      |
|                              |                      |                             | 6000K       | 109               | 1226 / 4021                     | 1200 / 3936                     | 913 / 2995                      |                                                                 |                         |      |      |
| 0.75 Static Color Series 2   | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m)  | Red         | 41                | 29 / 94                         | 23 / 76                         | 22 / 71                         | IP20:<br>49 ft<br>(15 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m) | ✓                       | ✓    | ✓    |
|                              |                      |                             | Green       | 175               | 122 / 400                       | 98 / 323                        | 92 / 301                        |                                                                 |                         |      |      |
|                              |                      |                             | Blue        | 19                | 13.3 / 43                       | 10.7 / 35                       | 10 / 33                         |                                                                 |                         |      |      |
|                              |                      |                             | Amber       | 34                | 24 / 78                         | 19 / 63                         | 18 / 59                         |                                                                 |                         |      |      |
| 1.5 Static Color Series 2    | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m)  | Red         | 42                | 59 / 192                        | 47 / 155                        | 44 / 145                        | IP20:<br>49 ft<br>(15 m)<br><br>IP65/IP68:<br>32.8 ft<br>(10 m) | ✓                       | ✓    | ✓    |
|                              |                      |                             | Green       | 160               | 223 / 732                       | 180 / 591                       | 168 / 551                       |                                                                 |                         |      |      |
|                              |                      |                             | Blue        | 18                | 25 / 82                         | 20 / 66                         | 19 / 62                         |                                                                 |                         |      |      |
|                              |                      |                             | Amber       | 34                | 47 / 156                        | 38 / 125                        | 36 / 117                        |                                                                 |                         |      |      |

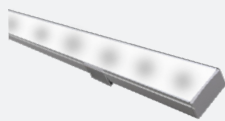
## RIBBONLYTE SPECIFICATIONS &amp; COMPATIBILITY

| Available Wattages             | Cuttable Length      | LED Pitch                  | Color Temp.   | lm/W without Lens | Delivered Lumens                |                                 |                                 | Max Length                                                       | Compatible with Channel |      |      |
|--------------------------------|----------------------|----------------------------|---------------|-------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------------------------------------------|-------------------------|------|------|
|                                |                      |                            |               |                   | with Clear Lens<br>lm/ft / lm/m | with Milky Lens<br>lm/ft / lm/m | with Black Lens<br>lm/ft / lm/m |                                                                  | IP20                    | IP65 | IP68 |
| 2.2 Static Color Series 2      | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | Red           | 42                | 86 / 282                        | 69 / 227                        | 65 / 212                        | IP20:<br>42 ft<br>(12.8 m)<br>IP65/IP68:<br>32.8 ft<br>(10 m)    | ✓                       | ✓    | ✓    |
|                                |                      |                            | Green         | 145               | 297 / 973                       | 239 / 785                       | 223 / 733                       |                                                                  |                         |      |      |
|                                |                      |                            | Blue          | 18                | 37 / 121                        | 30 / 97                         | 28 / 91                         |                                                                  |                         |      |      |
|                                |                      |                            | Amber         | 34                | 70 / 228                        | 56 / 184                        | 52 / 172                        |                                                                  |                         |      |      |
| 3.0 Static Color Series 2      | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | Red           | 40                | 112 / 366                       | 90 / 295                        | 84 / 267                        | 32.8 ft<br>(10 m)                                                | ✓                       | ✓    | ✓    |
|                                |                      |                            | Green         | 127               | 354 / 1162                      | 286 / 937                       | 267 / 875                       |                                                                  |                         |      |      |
|                                |                      |                            | Blue          | 25                | 70 / 229                        | 56 / 185                        | 53 / 172                        |                                                                  |                         |      |      |
|                                |                      |                            | Amber         | 29                | 81 / 265                        | 65 / 214                        | 61 / 200                        |                                                                  |                         |      |      |
| 4.4 Static Color Series 2      | 1.97 in.<br>(50 mm)  | 48 LEDs/ft<br>(160 LEDs/m) | Red           | 38                | 155 / 510                       | 125 / 411                       | 117 / 384                       | 29 ft<br>(8.8 m)                                                 | ✓                       | ✓    | ✓    |
|                                |                      |                            | Green         | 117               | 479 / 1571                      | 386 / 1267                      | 360 / 1182                      |                                                                  |                         |      |      |
|                                |                      |                            | Blue          | 24                | 98 / 322                        | 79 / 260                        | 74 / 243                        |                                                                  |                         |      |      |
|                                |                      |                            | Amber         | 25                | 102 / 336                       | 83 / 271                        | 77 / 253                        |                                                                  |                         |      |      |
| 5.0 Static Color Series 2      | 1.4 in.<br>(35.7 mm) | 68 LEDs/ft<br>(224 LEDs/m) | Red           | 37                | 172 / 564                       | 139 / 455                       | 130 / 425                       | 30 ft<br>(9.14 m)                                                | ✓                       | ✓    | ✓    |
|                                |                      |                            | Green         | 116               | 539 / 1770                      | 435 / 1427                      | 406 / 1332                      |                                                                  |                         |      |      |
|                                |                      |                            | Blue          | 24                | 112 / 366                       | 90 / 295                        | 84 / 276                        |                                                                  |                         |      |      |
|                                |                      |                            | Amber         | 26                | 121 / 397                       | 98 / 320                        | 91 / 299                        |                                                                  |                         |      |      |
| 6.0 Static Color Series 2      | 1.4 in.<br>(35.7 mm) | 68 LEDs/ft<br>(224 LEDs/m) | Red           | 37                | 206 / 677                       | 167 / 546                       | 155 / 510                       | 28 ft<br>(8.5 m)                                                 | ✓                       | ✓    | ✓    |
|                                |                      |                            | Green         | 113               | 631 / 2069                      | 509 / 1668                      | 475 / 1557                      |                                                                  |                         |      |      |
|                                |                      |                            | Blue          | 23                | 128 / 421                       | 104 / 340                       | 97 / 317                        |                                                                  |                         |      |      |
|                                |                      |                            | Amber         | 24                | 134 / 439                       | 108 / 354                       | 101 / 331                       |                                                                  |                         |      |      |
| 1.0 Variable White Series 2    | 1.97 in.<br>(50 mm)  | 42 LEDs/ft (140 LEDs/m)    | 2000K + 6500K | 85                | 79 / 259                        | 64 / 209                        | 60 / 195                        | 32.8 ft<br>(10 m)                                                | ✓                       | ✓    | ✓    |
| 3.0 Variable White Series 2    | 1.97 in.<br>(50 mm)  | 42 LEDs/ft (140 LEDs/m)    | 2000K + 6500K | 80                | 223 / 732                       | 180 / 591                       | 168 / 551                       | 32.8 ft<br>(10 m)                                                | ✓                       | ✓    | ✓    |
| 6.0 Variable White Series 2    | 1.97 in.<br>(50 mm)  | 42 LEDs/ft (140 LEDs/m)    | 2000K + 6500K | 75                | 419 / 1373                      | 338 / 1107                      | 315 / 1033                      | 32.8 ft<br>(10 m)                                                | ✓                       | ✓    | ✓    |
| 3.0 Variable White Double Row  | 1.97 in.<br>(50 mm)  | 84 LEDs/ft (280 LEDs/m)    | 2000K + 6500K | 87                | 245 / 805                       | 240 / 788                       | 183 / 599                       | 65 ft 7 in.<br>(20 m)                                            | ✓                       | N/A  | N/A  |
| 6.0 Variable White Double Row  | 1.97 in.<br>(50 mm)  | 84 LEDs/ft (280 LEDs/m)    | 2000K + 6500K | 82                | 462 / 1517                      | 453 / 1485                      | 344 / 1130                      | 45 ft 11 in.<br>(14 m)                                           | ✓                       | N/A  | N/A  |
| 12.0 Variable White Double Row | 1.97 in.<br>(50 mm)  | 84 LEDs/ft (280 LEDs/m)    | 2000K + 6500K | 71                | 801 / 2628                      | 784 / 2572                      | 596 / 1957                      | 22 ft 11 in.<br>(7 m)                                            | ✓                       | N/A  | N/A  |
| 4.4 RGBW Series 2              | 1.97 in.<br>(50 mm)  | 36 LEDs/ft<br>(120 LEDs/m) | RGBW          | 45                | 188.1 / 617.2                   | 148.5 / 487.2                   | 138.6 / 454.7                   | 19 ft 8 in.<br>(6 m)                                             | ✓                       | N/A  | N/A  |
| 5.5 RGBW Series 2              | 1.97 in.<br>(50 mm)  | 36 LEDs/ft<br>(120 LEDs/m) | RGBW          | 59                | 308.8 / 1013                    | 243.3 / 798.5                   | 227.2 / 745.3                   | IP65:<br>16 ft 4 in.<br>(5 m)<br>IP68:<br>19 ft 7.9 in.<br>(6 m) | N/A                     | ✓    | ✓    |
| 8.8 RGBW Series 2              | 1.97 in.<br>(50 mm)  | 36 LEDs/ft<br>(120 LEDs/m) | RGBW          | 61                | 510.2 / 1673.8                  | 402.6 / 1320.9                  | 375.8 / 1232.9                  | 16 ft 4 in.<br>(5 m)                                             | ✓                       | N/A  | N/A  |

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

| Available Wattages   | Cuttable Length     | LED Pitch               | Color Temp. | lm/W without Lens | Delivered Lumens                |                                 |                                 | Max Length              | Compatible with Channel |      |        |
|----------------------|---------------------|-------------------------|-------------|-------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------|-------------------------|------|--------|
|                      |                     |                         |             |                   | with Clear Lens<br>lm/ft / lm/m | with Milky Lens<br>lm/ft / lm/m | with Black Lens<br>lm/ft / lm/m |                         | IP20                    | IP65 | IP68   |
| 3.0 RGBW Double Row  | 1.3 in. (33 mm)     | 72 LEDs/ft (240 LEDs/m) | RGBW        | 91                | 257 / 842                       | 251 / 824                       | 191 / 627                       | 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                | 257 / 842                       | 251 / 824                       | 191 / 627                       | 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                | 513 / 1684                      | 502 / 1648                      | 382 / 1254                      | 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                | 513 / 1684                      | 502 / 1648                      | 382 / 1254                      | 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                | 891 / 2924                      | 872 / 2862                      | 664 / 2177                      | 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                | 891 / 2924                      | 872 / 2862                      | 664 / 2177                      | 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                | 266 / 873                       | 214.5 / 704                     | 200.2 / 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                | 135 / 443                       | 108.9 / 357                     | 101.6 / 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                | 260.9 / 856                     | 210.4 / 690                     | 196.4 / 644                     | 19 ft 7.9 in. (6 m)     | ✓                       | ✓    | ✓      |
| 5.5 4-in-1 RGBA      | 3.94 in. (100 mm)   | 18 LEDs/ft (60 LEDs/m)  | RGBA        | 27                | 138.1 / 453                     | 111.4 / 365                     | 104 / 341                       | 19 ft 7.9 in. (6 m)     | ✓                       | ✓    | ✓      |
| 8.8 RGBW             | 3.94 in. (100 mm)   | 36 LEDs/ft (120 LEDs/m) | RGBW        | 61                | 499.2 / 1638                    | 402.6 / 1321                    | 375.8 / 1233                    | 19 ft 7.9 in. (6 m)     | ✓                       | ✓    | ✓      |
| 8.8 RGBA             | 3.94 in. (100 mm)   | 36 LEDs/ft (120 LEDs/m) | RGBA        | 22                | 180.1 / 591                     | 145.2 / 476                     | 135.5 / 445                     | 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                | 241.4 / 792.1                   | 194.7 / 638.8                   | 181.7 / 596.2                   | 16 ft 4 in (5 m)        | ✓                       | N/A  | N/A    |
| 8.8 5-in-1 RGBWW     | 2.46 in. (62.5 mm)  | 29 LED/ft (96 LED/m)    | RGBWW       | 50                | 409.2 / 1342.6                  | 330.0 / 1082.7                  | 308 / 1010.5                    | 11 ft 6 in (3.5 m)      | ✓                       | N/A  | N/A    |
| RGBW Addressable     | 3.94 in. (100 mm)   | 18 LEDs/ft (60 LEDs/m)  | Red         | 33.5              | 30.8 / 101.2                    | 23.5 / 77                       | 23.5 / 77                       | 16 ft 5.64 in. (5.02 m) | N/A                     | N/A  | ✓ IP67 |
|                      |                     |                         | Green       | 82                | 75.4 / 247.5                    | 57.4 / 188.3                    | 57.4 / 188.3                    |                         |                         |      |        |
|                      |                     |                         | Blue        | 15.5              | 14.2 / 46.7                     | 10.8 / 35.6                     | 10.8 / 35.6                     |                         |                         |      |        |
|                      |                     |                         | White       | 103               | 94.8 / 310.9                    | 72.1 / 236.6                    | 72.1 / 236.6                    |                         |                         |      |        |
|                      |                     |                         | All         | 40                | 222.8 / 730.8                   | 169.5 / 556.1                   | 169.5 / 556.1                   |                         |                         |      |        |
| 5.2 Warm Dim         | 3.94 in. (100 mm)   | 36 LEDs/ft (120 LEDs/m) | WARM DIM    | 55                | 266 / 873                       | 214.5 / 704                     | 200.2 / 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                                              |      |           |      |                | 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 |      | 8.8 RGBW/A |                        | 4.4 5-in-1 RGBWW | 8.8 5-in-1 RGBWW | Warm Dim       | Variable White Series 2 | 3.0/6.0/12.0 Variable White Double Row | RGBW Addressable |
| IP20 IP65                                                                           | IP68 | IP20 IP65 | IP68 | IP20 IP65 IP68 | IP20                    | IP20                      | IP65 IP68         | IP20              | IP20                           | IP20 IP65                                                                            | IP68 | IP20 IP65         | IP68 | IP20 IP65  | IP68                   | IP20             | IP20             | IP20 IP65 IP68 | IP20 IP65 IP68          | IP20                                   | IP67             |
| Y                                                                                   | Y    | N         | Y    | N              | Y                       | Y                         | Y                 | Y                 | Y                              | N                                                                                    | Y    | N                 | Y    | N          | Y                      | Y                | Y                | N              | N                       | Y                                      | N                |



AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

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



**60W, 96W, 150W, 300W, 600W\_test**  
**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  
UL, CE, and CSA Listed

0-10V DRIVERS



**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



**0-10V Dimmable 90W VW/WD Driver**

Part No.: DRVRFWDVW2490120

DMX CONTROLLER AND PART NUMBER - FOR COLOR CHANGING VERSIONS



**GLASS TOUCH**  
**WALL CONTROLLERS**

Part Number: AWCRGBWWBK  
AWCVWBK



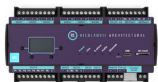
**1 ZONE WALL CONTROLLER**  
Part Number: DMXCTRLG



**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: DMXINFOLED5



**DMX OPTO SPLITTER**  
Part Number: DMXOS8

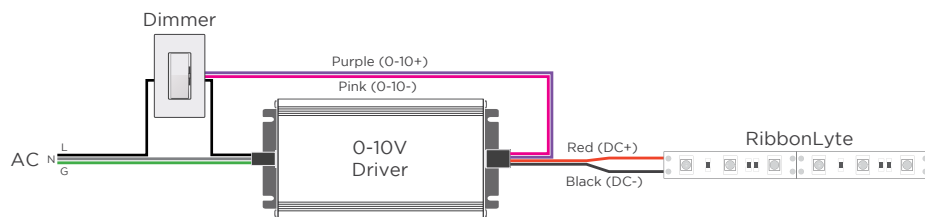
DRIVER AND RIBBONLYTE AT FULL LOAD

| 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  |

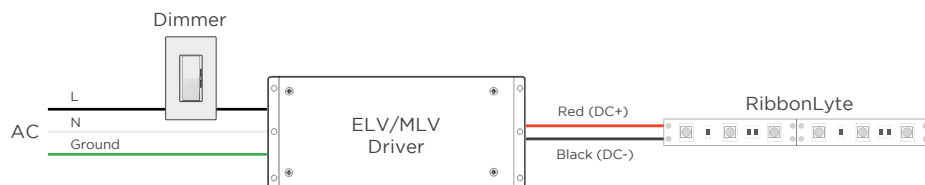


## WIRING DIAGRAMS

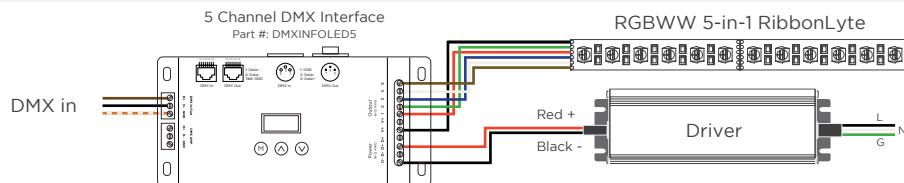
### 0-10V



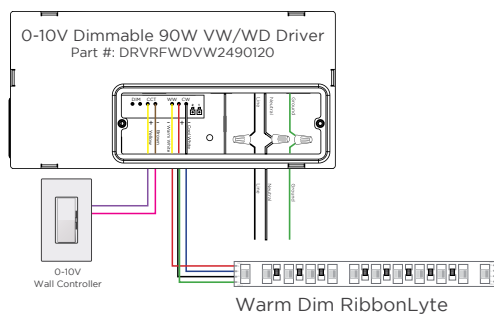
### MLV / ELV



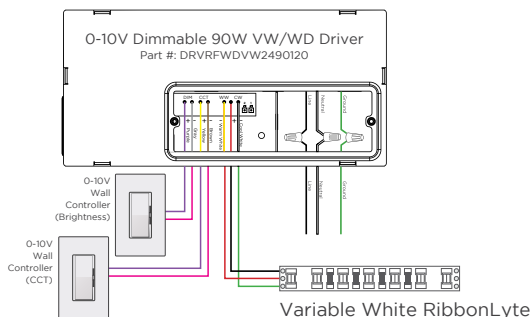
### DMX



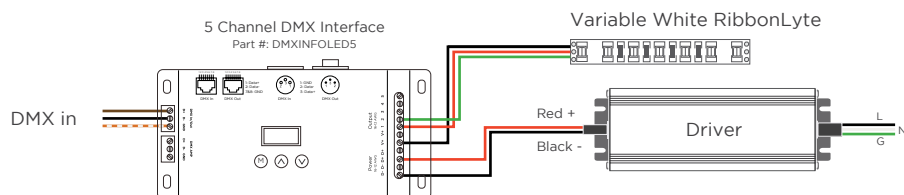
### WARM DIM



### 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  
Green Wire (-) goes to Green Channel  
Red Wire (-) goes to Red Channel  
Blue Wire (-) goes to Blue Channel  
White Wire (-) goes to White Channel

#### RGBWW

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

### WIRE INDEX

+

PI

A+

B-

GND

