

## AW12 CHANNEL FIXTURE

AW12 Channel is a slanted aluminum extrusion that mounts directly to the wall or ceiling, allowing you to create unique cove lighting with hidden wiring. Cast light up, down or sideways! For outdoor use with appropriate RibbonLyte. Create a custom fixture with AW12 Channel and RibbonLyte products.

- Available for field assembly or factory assembly
- 0.91 in. (23 mm) wide by 2.17 in. (55 mm) deep
- Beam angle: 100°
- Wattage Range from 0.75 W/ft (2.46 W/m) to 8.8 W/ft (28.9 W/m)
- Static White delivered lumen range from 44 lm/ft (145 lm/m) up to 737 lm/ft (2417 lm/m)
- Clear, Milky or Black lens

## HOUSING FINISHES



Silver  
Standard

White\*

Custom  
RAL\*

\*Additional fee applies

## LENS FINISHES



Clear Lens

93% Light Transmission



Milky Lens

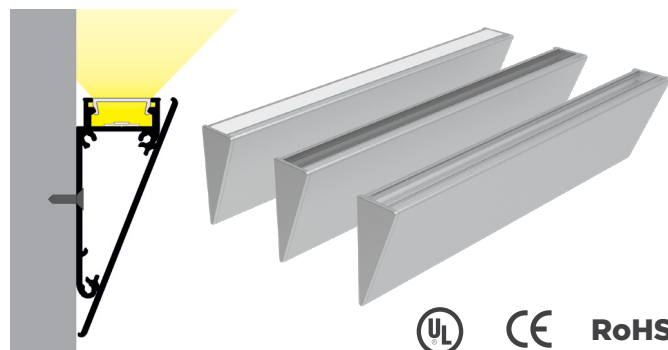
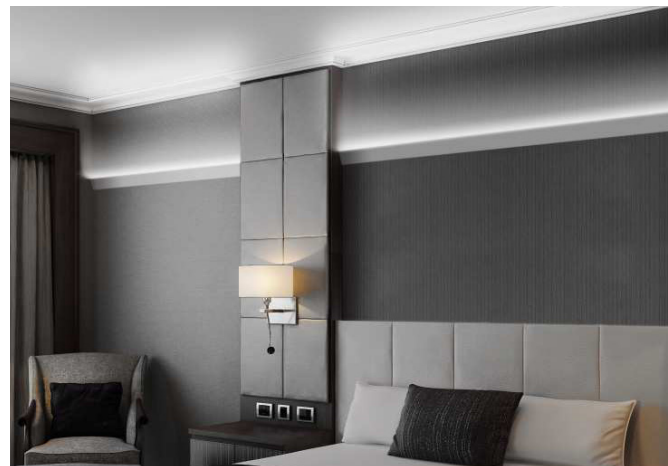
75% Light Transmission



Black Lens\*

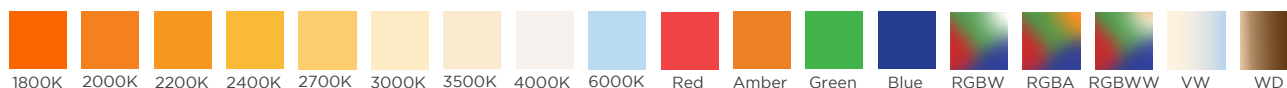
70% Light Transmission

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



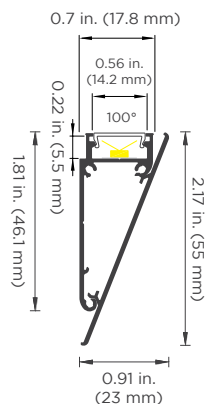
RoHS

## AVAILABLE COLORS & COLOR TEMPERATURES



## DIMENSIONS

### AW12 Channel



Width: 0.91 in. (23 mm)  
Height: 2.17 in. (55 mm)  
Internal Width: 0.56 in. (14.2 mm)  
Internal Height: 0.22 in. (5.5 mm)

### Note:

1. This channel does not require mounting clips. Please see our installation guide for instructions.
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.

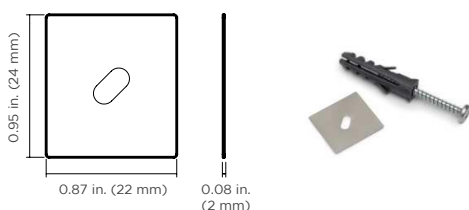
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## SPECIFICATIONS

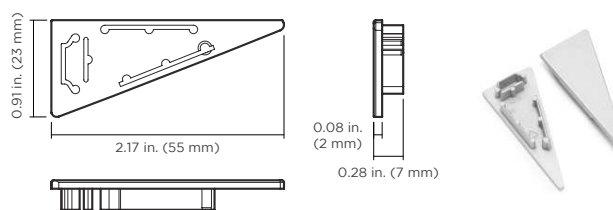
|                         |                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Beam Angle              | 100°                                                                                                                                                                                                                                   |
| Lens Type               | Clear Lens, Milky Lens, Black Lens                                                                                                                                                                                                     |
| Length                  | Channel is sold by the foot and cut to your exact desired length.                                                                                                                                                                      |
| 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, RGBW, RGBWW, RGBA, VW, Warm Dim (1800K, 2000K, 2200K only available in IP20)                                                                   |
| CRI                     | 90+ CRI (Static white only)                                                                                                                                                                                                            |
| Lamp Life               | L70 at 50,000 Hours                                                                                                                                                                                                                    |
| MacAdam Ellipses (SDCM) | 2-Step Binning (For Static White LEDs only)                                                                                                                                                                                            |
| Certifications          | 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

### 180° Coupler (Part #: CHCOUP180AW12)



### End Caps



ORDERING GUIDE

**STEP 1** Complete Channel Part Number

| CHANNEL               | LENS                                                  | HOUSING COLOR                                                    |
|-----------------------|-------------------------------------------------------|------------------------------------------------------------------|
| CHAW12                |                                                       |                                                                  |
| CHAW12 - AW12 Channel | C - Clear Lens      BK - Black Lens<br>M - Milky Lens | SV - Silver      Consult factory for custom colors<br>WH - White |

**STEP 2** Complete RibbonLite Part Number

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

**NOTE:** To ensure waterproofing standards are met, IP65 RibbonLite 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)  
4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA)  
5.2 - 5.2 W/ft (17.1 W/m - Warm Dim)  
5.0 - 5.0 W/ft (16.4 W/m - Static White, Static Color)  
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)  
8.8 - 8.8 W/ft (28.86 W/m - RGBW, RGBWW, RGBA)

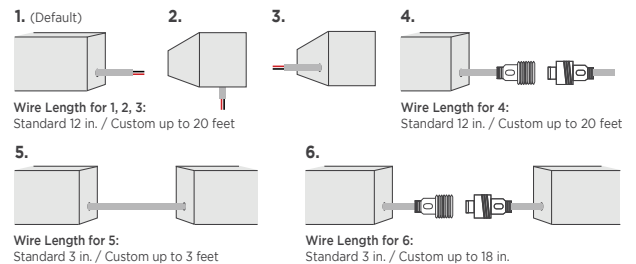
COLOR

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

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) |
|-----------------|---------------------------------------------------------------------|
|-----------------|---------------------------------------------------------------------|

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

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

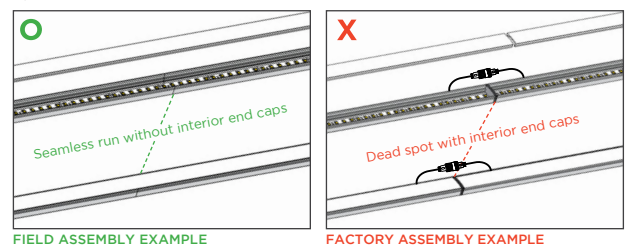
**STEP 4** Add Accessories

ACCESSORIES

CHCOUP180AW12 - 180° Coupler

**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.



## RIBBONLYTE SPECIFICATIONS &amp; COMPATIBILITY

| Available Wattages         | Cutttable Length | LED Pitch               | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens (lm/ft / lm/m) | Delivered Lumens with Milky Lens (lm/ft / lm/m) | Delivered Lumens with Black Lens (lm/ft / lm/m) | Max Length                                         | Compatible with Channel |      |      |
|----------------------------|------------------|-------------------------|-------------|-------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|----------------------------------------------------|-------------------------|------|------|
|                            |                  |                         |             |                   |                                                 |                                                 |                                                 |                                                    | IP20                    | IP65 | IP68 |
| 0.75 Static White Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 1800K       | 84                | 59 / 192                                        | 47 / 155                                        | 44 / 145                                        | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)         | ✓                       | ✓    |      |
|                            |                  |                         | 2000K       | 99                | 69 / 227                                        | 56 / 183                                        | 52 / 171                                        |                                                    |                         |      |      |
|                            |                  |                         | 2200K       | 109               | 76 / 249                                        | 61 / 201                                        | 57 / 188                                        |                                                    |                         |      |      |
|                            |                  |                         | 2400K       | 113               | 79 / 259                                        | 64 / 209                                        | 59 / 195                                        |                                                    |                         |      |      |
|                            |                  |                         | 2700K       | 123               | 86 / 281                                        | 69 / 227                                        | 65 / 212                                        |                                                    |                         |      |      |
|                            |                  |                         | 3000K       | 123               | 86 / 281                                        | 69 / 227                                        | 65 / 212                                        |                                                    |                         |      |      |
|                            |                  |                         | 3500K       | 130               | 91 / 297                                        | 73 / 240                                        | 68 / 224                                        |                                                    |                         |      |      |
|                            |                  |                         | 4000K       | 134               | 93 / 307                                        | 75 / 247                                        | 70 / 231                                        |                                                    |                         |      |      |
|                            |                  |                         | 6000K       | 131               | 91 / 300                                        | 74 / 242                                        | 69 / 226                                        |                                                    |                         |      |      |
|                            |                  |                         | 1800K       | 84                | 117 / 384                                       | 95 / 310                                        | 88 / 289                                        |                                                    |                         |      |      |
|                            |                  |                         | 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                                       |                                                    |                         |      |      |
|                            |                  |                         | 1800K       | 83                | 170 / 557                                       | 137 / 449                                       | 128 / 419                                       |                                                    |                         |      |      |
|                            |                  |                         | 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                                       | IP20: 42 ft (12.8 m)<br>IP65: 32.8 ft (10 m)       | ✓                       | ✓    |      |
|                            |                  |                         | 4000K       | 133               | 272 / 893                                       | 219 / 720                                       | 205 / 672                                       |                                                    |                         |      |      |
|                            |                  |                         | 6000K       | 128               | 262 / 859                                       | 211 / 693                                       | 197 / 647                                       |                                                    |                         |      |      |
|                            |                  |                         | 1800K       | 84                | 234 / 769                                       | 189 / 620                                       | 176 / 579                                       |                                                    |                         |      |      |
|                            |                  |                         | 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                                       | IP20: 36 ft (11 m)<br>IP65: 32.8 ft (10 m)         | ✓                       | ✓    |      |
|                            |                  |                         | 3500K       | 133               | 371 / 1217                                      | 299 / 982                                       | 279 / 916                                       |                                                    |                         |      |      |
|                            |                  |                         | 4000K       | 133               | 371 / 1217                                      | 299 / 982                                       | 279 / 916                                       |                                                    |                         |      |      |
|                            |                  |                         | 6000K       | 128               | 357 / 1172                                      | 288 / 945                                       | 269 / 882                                       |                                                    |                         |      |      |
|                            |                  |                         | 1800K       | 81                | 331 / 1087                                      | 267 / 877                                       | 249 / 818                                       |                                                    |                         |      |      |
|                            |                  |                         | 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                                      | 28 ft 4 in. (8.64 m)                               | ✓                       | ✓    |      |
|                            |                  |                         | 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                                      |                                                    |                         |      |      |
|                            |                  |                         | 1800K       | 83                | 386 / 1266                                      | 311 / 1021                                      | 291 / 953                                       |                                                    |                         |      |      |
|                            |                  |                         | 2000K       | 98                | 456 / 1495                                      | 368 / 1206                                      | 343 / 1125                                      |                                                    |                         |      |      |
|                            |                  |                         | 2200K       | 107               | 498 / 1632                                      | 401 / 1316                                      | 375 / 1229                                      |                                                    |                         |      |      |
|                            |                  |                         | 2400K       | 110               | 511 / 1675                                      | 412 / 1351                                      | 384 / 1261                                      | IP20: 33 ft 4 in. (10.1 m)<br>IP65: 32.8 ft (10 m) | ✓                       | ✓    |      |
|                            |                  |                         | 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          | Cuttable Length   | LED Pitch               | Color Temp.   | lm/W without Lens | Delivered Lumens with Clear Lens (lm/ft / lm/m) | Delivered Lumens with Milky Lens (lm/ft / lm/m) | Delivered Lumens with Black Lens (lm/ft / lm/m) | Max Length                                   | Compatible with Channel |      |      |
|-----------------------------|-------------------|-------------------------|---------------|-------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|----------------------------------------------|-------------------------|------|------|
|                             |                   |                         |               |                   |                                                 |                                                 |                                                 |                                              | IP20                    | IP65 | IP68 |
| 6.0 Static White Series 2   | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | 1800K         | 82                | 458 / 1501                                      | 369 / 1211                                      | 344 / 1130                                      | 28 ft (8.5 m)                                | ✓                       | ✓    |      |
|                             |                   |                         | 2000K         | 95                | 530 / 1739                                      | 428 / 1403                                      | 399 / 1309                                      |                                              |                         |      |      |
|                             |                   |                         | 2200K         | 106               | 591 / 1941                                      | 477 / 1565                                      | 445 / 1461                                      |                                              |                         |      |      |
|                             |                   |                         | 2400K         | 109               | 608 / 1995                                      | 491 / 1609                                      | 458 / 1502                                      |                                              |                         |      |      |
|                             |                   |                         | 2700K         | 122               | 681 / 2233                                      | 549 / 1801                                      | 512 / 1681                                      |                                              |                         |      |      |
|                             |                   |                         | 3000K         | 129               | 720 / 2362                                      | 581 / 1905                                      | 542 / 1778                                      |                                              |                         |      |      |
|                             |                   |                         | 3500K         | 132               | 737 / 2417                                      | 594 / 1949                                      | 554 / 1819                                      |                                              |                         |      |      |
|                             |                   |                         | 4000K         | 132               | 737 / 2417                                      | 594 / 1949                                      | 554 / 1819                                      |                                              |                         |      |      |
|                             |                   |                         | 6000K         | 126               | 703 / 2307                                      | 567 / 1860                                      | 529 / 1736                                      |                                              |                         |      |      |
| 0.75 Static Color Series 2  | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 41                | 29 / 94                                         | 23 / 76                                         | 22 / 71                                         | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)   | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 175               | 122 / 400                                       | 98 / 323                                        | 92 / 301                                        |                                              |                         |      |      |
|                             |                   |                         | Blue          | 19                | 13 / 43                                         | 11 / 35                                         | 10 / 33                                         |                                              |                         |      |      |
|                             |                   |                         | Amber         | 34                | 24 / 78                                         | 19 / 63                                         | 18 / 59                                         |                                              |                         |      |      |
| 1.5 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 42                | 59 / 192                                        | 47 / 155                                        | 44 / 145                                        | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)   | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 160               | 223 / 732                                       | 180 / 591                                       | 168 / 551                                       |                                              |                         |      |      |
|                             |                   |                         | Blue          | 18                | 25 / 82                                         | 20 / 66                                         | 19 / 62                                         |                                              |                         |      |      |
|                             |                   |                         | Amber         | 34                | 47 / 156                                        | 38 / 125                                        | 36 / 117                                        |                                              |                         |      |      |
| 2.2 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 42                | 86 / 282                                        | 69 / 227                                        | 65 / 212                                        | IP20: 42 ft (12.8 m)<br>IP65: 32.8 ft (10 m) | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 145               | 297 / 973                                       | 239 / 785                                       | 223 / 733                                       |                                              |                         |      |      |
|                             |                   |                         | Blue          | 18                | 37 / 121                                        | 30 / 97                                         | 28 / 91                                         |                                              |                         |      |      |
|                             |                   |                         | Amber         | 34                | 70 / 228                                        | 56 / 184                                        | 52 / 172                                        |                                              |                         |      |      |
| 3.0 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 40                | 112 / 366                                       | 90 / 295                                        | 84 / 267                                        | 32.8 ft (10 m)                               | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 127               | 354 / 1162                                      | 286 / 937                                       | 267 / 875                                       |                                              |                         |      |      |
|                             |                   |                         | Blue          | 25                | 70 / 229                                        | 56 / 185                                        | 53 / 172                                        |                                              |                         |      |      |
|                             |                   |                         | Amber         | 29                | 81 / 265                                        | 65 / 214                                        | 61 / 200                                        |                                              |                         |      |      |
| 4.4 Static Color Series 2   | 1.97 in. (50 mm)  | 48 LEDs/ft (160 LEDs/m) | Red           | 38                | 155 / 510                                       | 125 / 411                                       | 117 / 384                                       | 29 ft (8.8 m)                                | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 117               | 479 / 1571                                      | 386 / 1267                                      | 360 / 1182                                      |                                              |                         |      |      |
|                             |                   |                         | Blue          | 24                | 98 / 322                                        | 79 / 260                                        | 74 / 243                                        |                                              |                         |      |      |
|                             |                   |                         | Amber         | 25                | 102 / 336                                       | 83 / 271                                        | 77 / 253                                        |                                              |                         |      |      |
| 5.0 Static Color Series 2   | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red           | 37                | 172 / 564                                       | 139 / 455                                       | 130 / 425                                       | 30 ft (9.14 m)                               | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 116               | 539 / 1770                                      | 435 / 1427                                      | 406 / 1332                                      |                                              |                         |      |      |
|                             |                   |                         | Blue          | 24                | 112 / 366                                       | 90 / 295                                        | 84 / 276                                        |                                              |                         |      |      |
|                             |                   |                         | Amber         | 26                | 121 / 397                                       | 98 / 320                                        | 91 / 299                                        |                                              |                         |      |      |
| 6.0 Static Color Series 2   | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red           | 37                | 206 / 677                                       | 167 / 546                                       | 155 / 510                                       | 28 ft (8.5 m)                                | ✓                       | ✓    |      |
|                             |                   |                         | Green         | 113               | 631 / 2069                                      | 509 / 1668                                      | 475 / 1557                                      |                                              |                         |      |      |
|                             |                   |                         | Blue          | 23                | 128 / 421                                       | 104 / 340                                       | 97 / 317                                        |                                              |                         |      |      |
|                             |                   |                         | Amber         | 24                | 134 / 439                                       | 108 / 354                                       | 101 / 331                                       |                                              |                         |      |      |
| 1.0 Variable White Series 2 | 1.97 in. (50 mm)  | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 85                | 79 / 259                                        | 64 / 209                                        | 60 / 195                                        | 32.8 ft (10 m)                               | ✓                       | ✓    |      |
| 3.0 Variable White Series 2 | 1.97 in. (50 mm)  | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 80                | 223 / 732                                       | 180 / 591                                       | 168 / 551                                       | 32.8 ft (10 m)                               | ✓                       | ✓    |      |
| 6.0 Variable White Series 2 | 1.97 in. (50 mm)  | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 75                | 419 / 1373                                      | 338 / 1107                                      | 315 / 1033                                      | 32.8 ft (10 m)                               | ✓                       | ✓    |      |

## RIBBONLYTE SPECIFICATIONS &amp; COMPATIBILITY

| Available Wattages | Cutttable Length    | LED Pitch               | Color Temp. | lm/W without Lens | Delivered Lumens with Clear Lens (lm/ft / lm/m) | Delivered Lumens with Milky Lens (lm/ft / lm/m) | Delivered Lumens with Black Lens (lm/ft / lm/m) | Max Length                                           | Compatible with Channel |      |      |
|--------------------|---------------------|-------------------------|-------------|-------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|------------------------------------------------------|-------------------------|------|------|
|                    |                     |                         |             |                   |                                                 |                                                 |                                                 |                                                      | IP20                    | IP65 | IP68 |
| 4.4 RGBW Series 2  | 1.97 in. (50 mm)    | 36 LEDs/ft (120 LEDs/m) | RGBW        | 45                | 188.1 / 617.2                                   | 148.5 / 487.2                                   | 138.6 / 454.7                                   | 19 ft 8 in. (6 m)                                    | ✓                       | N/A  | N/A  |
| 5.5 RGBW Series 2  | 1.97 in. (50 mm)    | 36 LEDs/ft (120 LEDs/m) | RGBW        | 59                | 308.8 / 1013                                    | 243.3 / 798.5                                   | 227.2 / 745.3                                   | IP65: 16 ft 4 in. (5 m)<br>IP68: 19 ft 7.9 in. (6 m) | N/A                     | ✓    |      |
| 8.8 RGBW Series 2  | 1.97 in. (50 mm)    | 36 LEDs/ft (120 LEDs/m) | RGBW        | 61                | 510.2 / 1673.8                                  | 402.6 / 1320.9                                  | 375.8 / 1232.9                                  | 16 ft 4 in. (5 m)                                    | ✓                       | N/A  | N/A  |
| 4.4 RGBW           | 6.55 in. (166.4 mm) | 18 LEDs/ft (60 LEDs/m)  | RGBW        | 65                | 266 / 873                                       | 215 / 704                                       | 57 / 187                                        | 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                                       | 109 / 357                                       | 200 / 657                                       | 19 ft 7.9 in. (6 m)                                  | ✓                       | ✓    |      |
| 5.5 4-in-1 RGBW    | 3.94 in. (100 mm)   | 18 LEDs/ft (60 LEDs/m)  | RGBW        | 51                | 261 / 856                                       | 210 / 690                                       | 196 / 644                                       | 19 ft 7.9 in. (6 m)                                  | ✓                       | ✓    |      |
| 5.5 4-in-1 RGBA    | 3.94 in. (100 mm)   | 18 LEDs/ft (60 LEDs/m)  | RGBA        | 27                | 138 / 453                                       | 111 / 365                                       | 104 / 341                                       | 19 ft 7.9 in. (6 m)                                  | ✓                       | ✓    |      |
| 4.4 5-in-1 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                                  | 308.0 / 1010.5                                  | 11 ft 6 in. (3.5 m)                                  | ✓                       | N/A  | N/A  |
| 5.2 Warm Dim       | 3.94 in. (100 mm)   | 36 LEDs/ft (120 LEDs/m) | WARM DIM    | 55                | 266 / 873                                       | 215 / 704                                       | 200 / 657                                       | 16 ft 4 in. (5 m)                                    | ✓                       | ✓    |      |

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

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



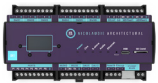
**1 ZONE WALL CONTROLLER**  
Part Number: DMXCTRLG



**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



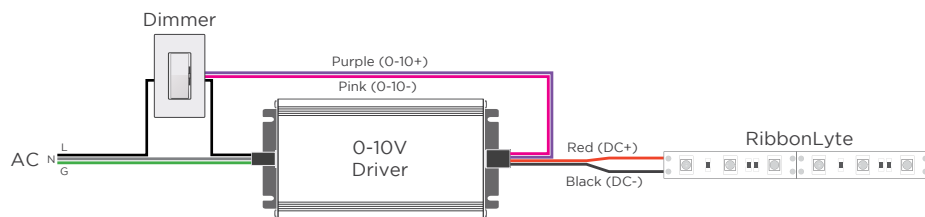
**DMX OPTO SPLITTER**  
Part Number: DMXOS8

DRIVER AND RIBBONLYTE AT FULL LOAD

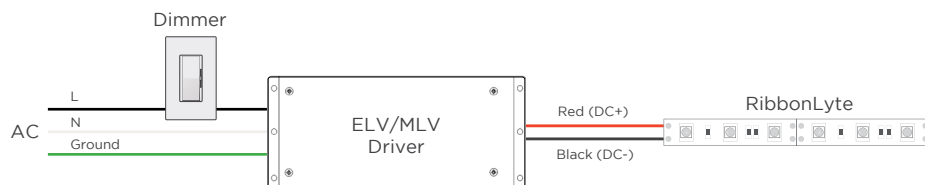
| Wattages   | 30   |        | 60   |        | 96   |        | 150  |        | 200  |        | 240  |        | 300  |        | 320  |        |
|------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| Wire Gauge |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

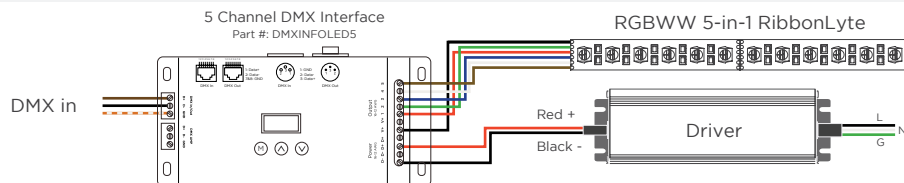
### 0-10V



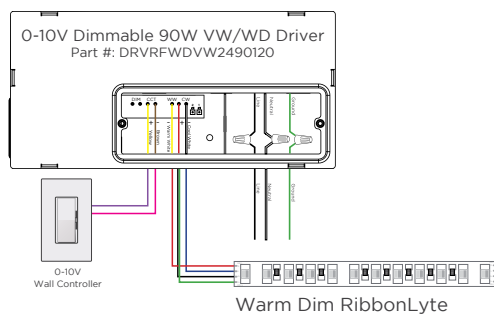
### MLV / ELV



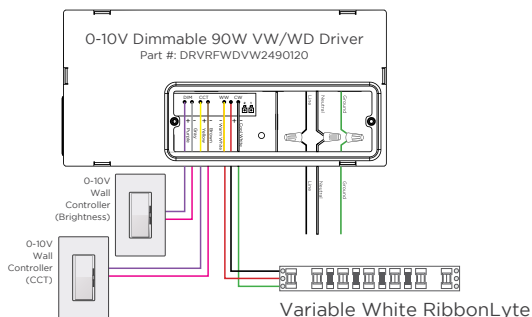
### DMX



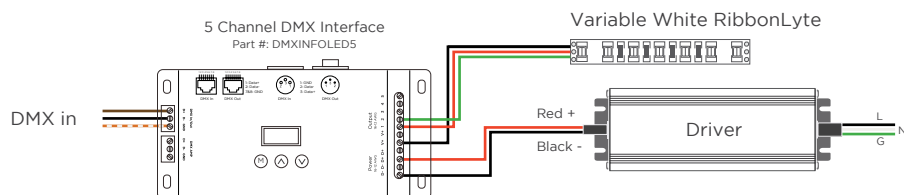
### WARM DIM



### 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