GEN LED acolyte®
Architectural Lighting Solutions

Date | Project

Notes

## AC5 CHANNEL FIXTURE

AC5 Channel Fixture is a large, rounded asymmetrical channel with a 132-degree beam angle that is ideal for a wide, even spread of light. This screw-in or clip-mounted channel is designed for corner and angled applications and includes a choice of frosted or milky lens. Custom design a fixture with our AC5 Channel Fixture and RibbonLyte products.



- Available for field assembly or factory assembly
- Beam Angle 132°
- 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 44.1 lm/ft (144.6 lm/m) up to 729.4 lm/ft (2392.5 lm/m)
- Assembled in USA
- For interior applications only



### HOUSING FINISHES



Silver

### AVAILABLE LENS FINISHES



**Frosted Lens**
85% Light Transmission



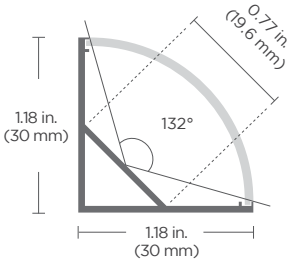
**Milky Lens**
70% Light Transmission

### AVAILABLE COLORS & COLOR TEMPERATURES




### DIMENSIONS

**AC5 Channel**

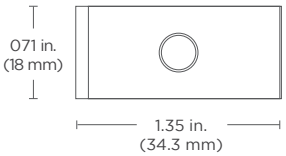



**Width:** 1.18 in. (30 mm)
**Height:** 1.18 in. (30 mm)
**Internal Width:** 0.77 in. (19.6 mm)

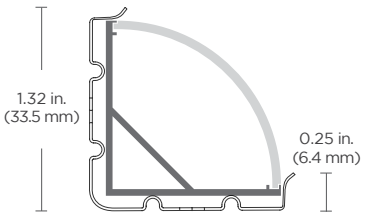
**Mounting Clip (Included Accessory)**

Material: stainless steel

**Top View**




**Side View / Assembled View**




**Width:** 0.71 in. (18 mm)
**Length:** 1.35 in. (34.3 mm)
**Height:** 1.32 in. (33.5 mm)

Note:
Each section of channel includes 3 mounting clips.

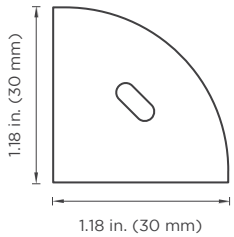
## SPECIFICATIONS

| | |
|---|---|
| **Beam Angle** | 132° |
| **Lens Type** | Frosted Lens, Milky Lens |
| **Length** | Channel is sold by the foot and cut to your exact desired length. Required amount of mounting clips included. |
| **Operating Voltage** | 24 V |
| **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, Pixel RGB, RGBW, RGBWW, RGBA, VW, Warm Dim, RGBW Addressable (1800K, 2000K, 2200K, Pixel RGB only available in IP20) |
| **CRI** | 90+ CRI (for Static White LEDs only) |
| **Lamp Life** | L70 at 50,000 hours |
| **MacAdam Ellipses (SDCM)** | 1-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**

Material: ABS




End Cap without hole



End Cap with hole



**Each end cap adds 0.08 in. (2 mm) to the total length of each run.**

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GEN LED acolyte® Architectural Lighting Solutions

## ORDERING GUIDE

## STEP 1 Complete Channel Part Number

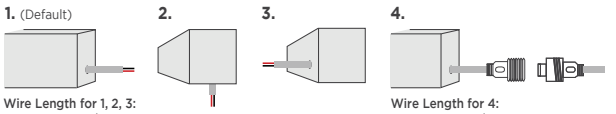
| CHANNEL | LENS | HOUSING COLOR |
|---|---|---|
| CHAC5 | | SV |
| **CHAC5** - AC5 Channel | **F** - Frosted Lens | **SV** - Silver |
| | **M** - Milky Lens | |

## STEP 2 Complete RibbonLyte Part Number

| CATEGORY | CRI | RIBBON TYPE & IP RATING | | |
|---|---|---|---|---|
| RB | | | | |
| **RB** - RibbonLyte | **0** - Static Color, Color Changing | **SWS220** - Static White Series 2 IP20 | **RGBWS220** - RGBW Series 2 IP20 | **RGBWW20** - RGBWW 5-in-1 IP20 |
| | **90** - 90+ CRI Static White | **SWS265** - Static White Series 2 IP65 | **RGBWS265** - RGBW Series 2 IP65 | **RGBWADD** - Addressable RGBW IP67 |
| | | **SWS268** - Static White Series 2 IP68 | **RGBWS268** - RGBW Series 2 IP68 | **RGBADD** - Pixel RGB IP20 |
| | | **SWS269** - Static White Series 2 IP69 | **RGBWS269** - RGBW Series 2 IP69 | **WD20** - Warm Dim IP20 |
| **NOTE:** To ensure waterproofing standards are met, IP65/IP68/IP69 RibbonLyte can NOT be cut in the field. | | **SCS220** - Static Color Series 2 IP20 | **VWS220** - VW Series 2 IP20 | **WD65** - Warm Dim IP65 |
| | | **SCS265** - Static Color Series 2 IP65 | **VWS265** - VW Series 2 IP65 | **WD68** - Warm Dim IP68 |
| | | **SCS268** - Static Color Series 2 IP68 | **VWS268** - VW Series 2 IP68 | **WD69** - Warm Dim IP69 |
| | | **SCS269-** - Static Color Series 2 IP69 | **VWS269** - VW Series 2 IP69 | **XACTA20** - Xacta RibbonLyte IP20 |
| | | | | **LINEA20** - Linea RibbonLyte IP20 |

| WATTAGE | COLOR | |
|---|---|---|
| **0.75** - 0.75 W/ft (2.46 W/m - Static White, Static Color) | **18** - 1800K | **VW** - Variable White 2000K-6500K |
| **1.0** - 1.0 W/ft (3.3 W/m - Variable White) | **20** - 2000K | **VW1833** - Variable White 1800K-3300K (IP20) |
| **1.5** - 1.5 W/ft (4.9 W/m - Static White, Static Color, Variable White) | **22** - 2200K | **RGB27** - Red, Green, Blue + 2700K |
| **2.2** - 2.2 W/ft (7.2 W/m - Static White, Static Color) | **24** - 2400K | **RGB30** - Red, Green, Blue + 3000K |
| **2.4** - 2.4 W/ft (8 W/m - Static White Linea) | **27** - 2700K | **RGB40** - Red, Green, Blue + 4000K |
| **3.0** - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White) | **30** - 3000K | **RGB2465** - Red, Green, Blue + 2400K + 6500K |
| **4.3** - 4.3 W/ft (14 W/m - Static White Linea) | **35** - 3500K | **RGBA** - Red, Green, Blue + Amber |
| **4.4** - 4.4 W/ft (14.4 W/m - Static White, Static Color, RGBW, RGBWW, RGBA) | **40** - 4000K | **RGBW30** - RGB + 3000K Addressable |
| **4.5** - 4.5 W/ft (14.8 W/m - Static White, Variable White) | **60** - 6000K | **RGBW40** - RGB + 4000K Addressable |
| **5.0** - 5.0 W/ft (16.4 W/m - Static White, Static Color) | **R** - Red | **RGBW60** - RGB + 6000K Addressable |
| **5.2** - 5.2 W/ft (17.1 W/m - Warm Dim) | **A** - Amber | **RGBS** - Pixel RGB (SPI) |
| **5.5** - 5.5 W/ft (18.0 W/m - RGBW, RGBA) | **G** - Green | **2920** - Warm Dim 2900K-2000K (IP20) |
| **6.0** - 6.0 W/ft (19.7 W/m - Static White, Static Color, Variable White, RGBW Addressable) | **B** - Blue | **1830** - Warm Dim 3000K-1800K (IP20) |
| **6.1** - 6.1 W/ft (20 W/m - Variable White Linea, Pixel RGB) | | **2721** - Warm Dim 2700K-2100K (IP65/IP68/IP69) |
| **8.8** - 8.8 W/ft (28.9 W/m - RGBW, RGBWW) | | **Z** - Undecided (For quotes only. Must be chosen before final order.) |

| CONNECTION OPTIONS (See diagrams on the right) | | Custom Length (ft.) |
|---|---|---|
| **1** - End Feed Bare Wire Connection | **4** - End Feed with IP67 Male Coupler | |
| **2** - Back Feed Bare Wire Connection | **5** - Soldered Daisy Chain | |
| **3** - Side Feed Bare Wire Connection | **6** - Daisy Chain With IP67 Couplers | |




**Wire Length for 1, 2, 3:**
Standard 12 in. / Custom up to 20 feet

**Wire Length for 4:**
Standard 12 in. / Custom up to 20 feet




**Wire Length for 5:**
Standard 3 in. / Custom up to 3 feet

**Wire Length for 6:**
Standard 3 in. / Custom up to 18 in.

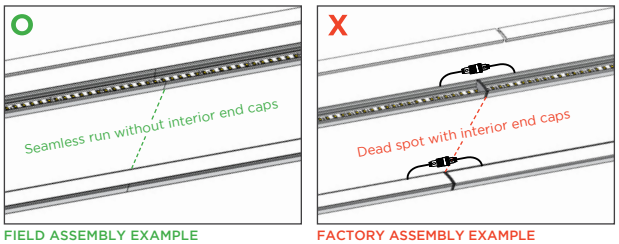
## STEP 3 Complete Assembly Option & Length

| 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.

**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 & COMPATIBILITY

| Available Wattages | Incremental Length | LED Pitch | Color Temp. | Delivered Lumens with Frosted Lens | | Delivered Lumens with Milky Lens | | Max Length | Compatible with Channel | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | lm/ft | lm/m | lm/ft | lm/m | | IP20 | IP65 | IP68 | IP69 |
| 0.75 Static White Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 1800K | 53.6 | 175.8 | 44.1 | 144.6 | IP20: 49 ft (15 m) IP65/ IP68/ IP69: 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| | | | 2000K | 63.1 | 207 | 52 | 170.6 | | | | | |
| | | | 2200K | 69.5 | 228 | 57.2 | 187.6 | | | | | |
| | | | 2400K | 72 | 236.2 | 59.3 | 194.5 | | | | | |
| | | | 2700K | 78.4 | 257.2 | 64.6 | 211.9 | | | | | |
| | | | 3000K | 78.4 | 257.2 | 64.6 | 211.9 | | | | | |
| | | | 3500K | 82.9 | 272 | 68.3 | 224 | | | | | |
| | | | 4000K | 85.4 | 280.1 | 70.4 | 230.9 | | | | | |
| | | | 6000K | 83.5 | 273.9 | 68.8 | 225.7 | | | | | |
| 1.5 Static White Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 1800K | 107.1 | 351.3 | 88.2 | 289.3 | IP20: 49 ft (15 m) IP65/ IP68/ IP69: 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| | | | 2000K | 125 | 410 | 102.9 | 337.5 | | | | | |
| | | | 2200K | 139 | 455.9 | 114.5 | 375.6 | | | | | |
| | | | 2400K | 144.1 | 472.6 | 118.7 | 389.3 | | | | | |
| | | | 2700K | 156.8 | 514.3 | 129.2 | 423.8 | | | | | |
| | | | 3000K | 156.8 | 514.3 | 129.2 | 423.8 | | | | | |
| | | | 3500K | 164.5 | 539.6 | 135.5 | 444.4 | | | | | |
| | | | 4000K | 170.9 | 560.6 | 140.7 | 461.5 | | | | | |
| | | | 6000K | 167 | 547.8 | 137.6 | 451.3 | | | | | |
| 2.2 Static White Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 1800K | 155.2 | 509.1 | 127.8 | 419.2 | IP20: 42 ft (12.8 m) IP65/ IP68/ IP69: 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| | | | 2000K | 179.5 | 588.8 | 147.8 | 484.8 | | | | | |
| | | | 2200K | 198.2 | 650.1 | 163.2 | 535.3 | | | | | |
| | | | 2400K | 207.6 | 680.9 | 170.9 | 560.6 | | | | | |
| | | | 2700K | 224.4 | 736 | 184.8 | 606.1 | | | | | |
| | | | 3000K | 228.1 | 748.2 | 187.9 | 616.3 | | | | | |
| | | | 3500K | 237.5 | 779 | 195.6 | 641.6 | | | | | |
| | | | 4000K | 248.7 | 779 | 204.8 | 671.7 | | | | | |
| | | | 6000K | 239.4 | 785.2 | 197.1 | 646.5 | | | | | |
| 3.0 Static White Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 1800K | 214.2 | 702.6 | 176.4 | 578.6 | IP20: 36 ft (11 m) IP65/ IP68/ IP69: 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| | | | 2000K | 249.9 | 819.7 | 205.8 | 675 | | | | | |
| | | | 2200K | 275.4 | 903.3 | 226.8 | 743.9 | | | | | |
| | | | 2400K | 280.1 | 918.6 | 230.6 | 756.5 | | | | | |
| | | | 2700K | 313.5 | 1028.1 | 258.1 | 846.7 | | | | | |
| | | | 3000K | 331.4 | 1087.1 | 273 | 895.3 | | | | | |
| | | | 3500K | 339.2 | 1112.4 | 279.3 | 916.1 | | | | | |
| | | | 4000K | 339.2 | 1112.4 | 279.3 | 916.1 | | | | | |
| | | | 6000K | 323.7 | 1061.8 | 266.6 | 874.5 | | | | | |
| 4.4 Static White Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 1800K | 302.9 | 993.6 | 249.5 | 818.3 | 28 ft 4 in. (8.64 m) | ✓ | ✓ | ✓ | ✓ |
| | | | 2000K | 355.3 | 1165.4 | 292.6 | 959.7 | | | | | |
| | | | 2200K | 392.7 | 1288.1 | 323.4 | 1060.8 | | | | | |
| | | | 2400K | 407.7 | 1337.1 | 335.7 | 1101.2 | | | | | |
| | | | 2700K | 456.3 | 1496.6 | 375.8 | 1232.5 | | | | | |
| | | | 3000K | 482.5 | 1582.5 | 397.3 | 1303.2 | | | | | |
| | | | 3500K | 493.7 | 1619.3 | 406.6 | 1333.5 | | | | | |
| | | | 4000K | 493.7 | 1619.3 | 406.6 | 1333.5 | | | | | |
| | | | 6000K | 471.2 | 1545.7 | 388.1 | 1272.9 | | | | | |
| 5.0 Static White Series 2 | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | 1800K | 352.8 | 1157 | 290.5 | 952.8 | IP20: 33 ft 4 in. (10.1 m) IP65/ IP68/ IP69: 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| | | | 2000K | 416.5 | 1366.1 | 343 | 1125 | | | | | |
| | | | 2200K | 454.8 | 1491.6 | 374.5 | 1228.4 | | | | | |
| | | | 2400K | 466.8 | 1531 | 384.4 | 1260.8 | | | | | |
| | | | 2700K | 522.4 | 1713.6 | 430.2 | 1411.2 | | | | | |
| | | | 3000K | 552.4 | 1811.9 | 454.9 | 1492.1 | | | | | |
| | | | 3500K | 565.3 | 1854 | 465.5 | 1526.8 | | | | | |
| | | | 4000K | 565.3 | 1854 | 465.5 | 1526.8 | | | | | |
| | | | 6000K | 539.6 | 1769.7 | 444.3 | 1457.4 | | | | | |
| 6.0 Static White Series 2 | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | 1800K | 418.2 | 1371.7 | 344.4 | 1129.6 | 28 ft (8.5 m) | ✓ | ✓ | ✓ | ✓ |
| | | | 2000K | 484.5 | 1589.2 | 399.0 | 1308.7 | | | | | |
| | | | 2200K | 540.6 | 1773.2 | 445.2 | 1460.3 | | | | | |
| | | | 2400K | 555.9 | 1823.4 | 457.8 | 1501.6 | | | | | |
| | | | 2700K | 622.2 | 2040.8 | 512.4 | 1680.7 | | | | | |
| | | | 3000K | 657.9 | 2157.9 | 541.8 | 1777.1 | | | | | |
| | | | 3500K | 673.2 | 2208.1 | 554.4 | 1818.4 | | | | | |
| | | | 4000K | 673.2 | 2208.1 | 554.4 | 1818.4 | | | | | |
| | | | 6000K | 642.6 | 2107.7 | 529.2 | 1735.8 | | | | | |

## RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

| Available Wattages | Incremental Length | LED Pitch | Color Temp. | Delivered Lumens with Frosted Lens | | Delivered Lumens with Milky Lens | | Max Length | Compatible with Channel | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | lm/ft | lm/m | lm/ft | lm/m | | IP20 | IP65 | IP68 | IP69 |
| 0.75 Static Color Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | Red | 26 | 86 | 22 | 70.6 | IP20: 49 ft (15 m) IP65/ IP68/ IP69: 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| | | | Green | 112 | 366 | 92 | 301.4 | | | | | |
| | | | Blue | 12 | 40 | 10 | 32.7 | | | | | |
| | | | Amber | 22 | 71 | 18 | 58.6 | | | | | |
| 1.5 Static Color Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | Red | 54 | 176 | 44 | 144.7 | IP20: 49 ft (15 m) IP65/ IP68/ IP69: 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| | | | Green | 204 | 669 | 168 | 551.1 | | | | | |
| | | | Blue | 23 | 75 | 19 | 62 | | | | | |
| | | | Amber | 43 | 142 | 36 | 117.1 | | | | | |
| 2.2 Static Color Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | Red | 79 | 258 | 65 | 212.2 | IP20: 42 ft (12.8 m) IP65/ IP68/ IP69: 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| | | | Green | 271 | 889 | 223 | 732.4 | | | | | |
| | | | Blue | 34 | 110 | 28 | 90.9 | | | | | |
| | | | Amber | 62 | 202 | 51 | 166.7 | | | | | |
| 3.0 Static Color Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | Red | 102 | 334.6 | 84 | 275.52 | 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| | | | Green | 323.9 | 1062.2 | 266.7 | 874.78 | | | | | |
| | | | Blue | 63.8 | 209.1 | 52.5 | 172.2 | | | | | |
| | | | Amber | 74 | 242.6 | 60.9 | 199.75 | | | | | |
| 4.4 Static Color Series 2 | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | Red | 142.1 | 466.2 | 117 | 383.89 | 29 ft (8.8 m) | ✓ | ✓ | ✓ | ✓ |
| | | | Green | 437.6 | 1435.3 | 360.4 | 1181.98 | | | | | |
| | | | Blue | 89.8 | 294.4 | 73.9 | 242.46 | | | | | |
| | | | Amber | 93.5 | 306.7 | 77 | 252.56 | | | | | |
| 5.0 Static Color Series 2 | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red | 157.3 | 515.8 | 129.5 | 424.76 | 30 ft (9.14 m) | ✓ | ✓ | ✓ | ✓ |
| | | | Green | 493 | 1617 | 406 | 1331.68 | | | | | |
| | | | Blue | 102 | 334.6 | 84 | 275.52 | | | | | |
| | | | Amber | 110.5 | 362.4 | 91 | 298.48 | | | | | |
| 6.0 Static Color Series 2 | 1.4 in. (35.7 mm) | 68 LEDs/ft (224 LEDs/m) | Red | 188.7 | 618.9 | 155.4 | 509.71 | 28 ft (8.5 m) | ✓ | ✓ | ✓ | ✓ |
| | | | Green | 576.3 | 1890.3 | 474.6 | 1556.6 | | | | | |
| | | | Blue | 117.3 | 384.8 | 96.6 | 316.9 | | | | | |
| | | | Amber | 122.4 | 401.6 | 100.8 | 330.7 | | | | | |
| 2.4 Static White Linea | 1.97 in. (50 mm) | 146 LEDs/ft (480 LEDs/m) | 2700K | 136.9 | 448.8 | 112.7 | 369.6 | 21.3 ft (6.5 m) | ✓ | n/a | n/a | n/a |
| | | | 3000K | 144.5 | 475.2 | 119 | 391.3 | | | | | |
| | | | 3500K | 169.2 | 555.9 | 139.3 | 457.8 | | | | | |
| | | | 4000K | 169.2 | 555.9 | 139.3 | 457.8 | | | | | |
| 3.0 Static White Linea | 1.97 in. (50 mm) | 146 LEDs/ft (480 LEDs/m) | 2700K | 168.3 | 552.5 | 138.6 | 455 | 21.3 ft (6.5 m) | ✓ | n/a | n/a | n/a |
| | | | 3000K | 186.2 | 611.2 | 153.3 | 503.3 | | | | | |
| | | | 3500K | 198.9 | 652.8 | 163.8 | 537.6 | | | | | |
| | | | 4000K | 211.7 | 694.5 | 174.3 | 571.9 | | | | | |
| 4.3 Static White Linea | 1.97 in. (50 mm) | 146 LEDs/ft (480 LEDs/m) | 2700K | 274.6 | 899.3 | 226.1 | 740.6 | 24.6 ft (7.5 m) | ✓ | n/a | n/a | n/a |
| | | | 3000K | 284.8 | 935 | 234.5 | 770 | | | | | |
| | | | 3500K | 314.5 | 1031.9 | 259 | 849.8 | | | | | |
| | | | 4000K | 314.5 | 1031.9 | 259 | 849.8 | | | | | |
| 6.1 Variable White Linea | 1.09 in. (27.78 mm) | 175 LEDs/ft (576 LEDs/m) | 2700K + 6500K | 493 | 1617.6 | 406 | 1332.1 | 16.4 ft (5 m) | ✓ | n/a | n/a | n/a |

## RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

| Available Wattages | Incremental Length | LED Pitch | Color Temp. | Delivered Lumens with Frosted Lens | | Delivered Lumens with Milky Lens | | Max Length | Compatible with Channel | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | lm/ft | lm/m | lm/ft | lm/m | | IP20 | IP65 | IP68 | IP69 |
| 1.5 Static White Xacta | 0.2 in. (5 mm) | 61 LEDs/ft (200 LEDs/m) | 1800K | 101.8 | 334.1 | 83.9 | 275.1 | 32.74 ft (9.98 m) | ✓ | n/a | n/a | n/a |
| | | | 2000K | 120.2 | 394.3 | 99 | 324.7 | | | | | |
| | | | 2200K | 131.9 | 432.6 | 108.6 | 356.3 | | | | | |
| | | | 2400K | 136.9 | 449.1 | 112.7 | 369.8 | | | | | |
| | | | 2700K | 155.3 | 509.3 | 127.9 | 419.4 | | | | | |
| | | | 3000K | 161.9 | 531.2 | 133.4 | 437.5 | | | | | |
| | | | 3500K | 166.9 | 547.7 | 137.5 | 451 | | | | | |
| | | | 4000K | 163.6 | 536.7 | 134.7 | 442 | | | | | |
| | | | 6000K | 160.3 | 525.7 | 132 | 433 | | | | | |
| 3.0 Static White Xacta | 0.2 in. (5 mm) | 61 LEDs/ft (200 LEDs/m) | 1800K | 181.3 | 594.9 | 149.3 | 489.9 | 23.62 ft (7.2 m) | ✓ | n/a | n/a | n/a |
| | | | 2000K | 214 | 702.2 | 176.2 | 578.3 | | | | | |
| | | | 2200K | 234.8 | 770.5 | 193.4 | 634.5 | | | | | |
| | | | 2400K | 243.7 | 799.7 | 200.7 | 658.6 | | | | | |
| | | | 2700K | 276.4 | 907 | 227.7 | 747 | | | | | |
| | | | 3000K | 288.3 | 946 | 237.4 | 779.1 | | | | | |
| | | | 3500K | 297.2 | 975.3 | 244.8 | 803.2 | | | | | |
| | | | 4000K | 291.3 | 955.8 | 239.9 | 787.1 | | | | | |
| | | | 6000K | 285.4 | 936.3 | 235 | 771.1 | | | | | |
| 4.5 Static White Xacta | 0.2 in. (5 mm) | 61 LEDs/ft (200 LEDs/m) | 1800K | 276.8 | 908.2 | 228 | 747.9 | 19.03 ft (5.8 m) | ✓ | n/a | n/a | n/a |
| | | | 2000K | 326.7 | 1072 | 269.1 | 882.8 | | | | | |
| | | | 2200K | 358.5 | 1176.2 | 295.2 | 968.6 | | | | | |
| | | | 2400K | 372.1 | 1220.9 | 306.5 | 1005.4 | | | | | |
| | | | 2700K | 422 | 1384.6 | 347.6 | 1140.3 | | | | | |
| | | | 3000K | 440.2 | 1444.2 | 362.5 | 1189.3 | | | | | |
| | | | 3500K | 453.8 | 1488.9 | 373.7 | 1226.1 | | | | | |
| | | | 4000K | 444.7 | 1459.1 | 366.3 | 1201.6 | | | | | |
| | | | 6000K | 435.7 | 1429.3 | 358.8 | 1177.1 | | | | | |
| 1.5 Variable White Xacta | 0.2 in. (5 mm) | 122 LEDs/ft (400 LEDs/m) | 2400K + 6000K | 174.7 | 573.2 | 143.9 | 472 | 32.15 ft (9.8 m) | ✓ | n/a | n/a | n/a |
| 3.0 Variable White Xacta | 0.2 in. (5 mm) | 122 LEDs/ft (400 LEDs/m) | 2400K + 6000K | 342.9 | 1125.1 | 282.4 | 926.5 | 22.31 ft (6.8 m) | ✓ | n/a | n/a | n/a |
| 4.5 Variable White Xacta | 0.2 in. (5 mm) | 122 LEDs/ft (400 LEDs/m) | 2400K + 6000K | 484.3 | 1588.9 | 398.9 | 1308.5 | 19.03 ft (5.8 m) | ✓ | n/a | n/a | n/a |
| 1.0 Variable White Series 2 | 1.97 in. (50 mm) | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 72.3 | 237 | 60 | 200 | 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| 3.0 Variable White Series 2 | 1.97 in. (50 mm) | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 205 | 670 | 168 | 551.2 | 32.8 ft (10 m) | ✓ | ✓ | ✓ | ✓ |
| 6.0 Variable White Series 2 | 1.97 in. (50 mm) | 42 LEDs/ft (140 LEDs/m) | 2000K + 6500K | 382.5 | 1255 | 315 | 1033.5 | 19 ft 8 in. (6 m) | ✓ | ✓ | ✓ | ✓ |
| 4.4 RGBW Series 2 | 1.97 in. (50 mm) | 36 LEDs/ft (120 LEDs/m) | RGBW | 168.3 | 552.2 | 148.5 | 487.2 | 19 ft 8 in. (6 m) | ✓ | n/a | n/a | n/a |
| 5.5 RGBW Series 2 | 1.97 in. (50 mm) | 36 LEDs/ft (120 LEDs/m) | RGBW | 275.8 | 904.9 | 243.3 | 798.5 | IP65: 16 ft 4 in. (5 m) 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 | 456.3 | 1497.1 | 402.6 | 1320.9 | 16 ft 4 in. (5 m) | ✓ | n/a | n/a | n/a |
| 4.4 5-in-1 RGBWW | 2.46 in. (62.5 mm) | 29 LED/ft (96 LED/m) | RGBWW | 220.7 | 724 | 194.7 | 638.8 | 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 | 374 | 1227.1 | 330 | 1082.7 | 11 ft 6 in (3.5 m) | ✓ | n/a | n/a | n/a |
| RGBW Addressable | 3.94 in. (100 mm) | 18 LEDs/ft (60 LEDs/m) | Red | 28.5 | 93.5 | 23.5 | 77 l | 16 ft 5.64 in. (5.02 m) | n/a | n/a | ✓ IP67 | n/a |
| | | | Green | 69.7 | 228.7 | 57.4 | 188.3 | | | | | |
| | | | Blue | 13.2 | 43.2 | 10.8 | 35.6 | | | | | |
| | | | White | 87.6 | 287.3 | 72.1 | 236.6 | | | | | |
| | | | All | 205.8 | 675.2 | 169.5 | 556.1 | | | | | |
| 6.1 Pixel RGB | 3.94 in. (100 mm) | 18 LEDs/ft (60 LEDs/m) | RGB (all on) | 105.83 | 346.8 | 87.15 | 285.6 | 24 ft 7.2 in. (7.5 m) | ✓ | n/a | n/a | n/a |
| 5.2 Warm Dim | 3.94 in. (100 mm) | 36 LEDs/ft (120 LEDs/m) | WARM DIM | 244.8 | 803.25 | 201.6 | 661.5 | 16 ft 4 in. (5 m) | ✓ | ✓ | ✓ | ✓ |

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



**No Visible Diode = N**

Note: Linea RibbonLyte has no visible diode



**With Visible Diode = Y**

| Static White & Static Color Series 2 | Static White & Static Color Xacta | RGBW & RGBA Series 2 | | 5-in-1 RGBWW | 5-in-1 RGBWW | Pixel RGB | RGBW Addressable | Variable White Series 2 | Warm Dim |
|---|---|---|---|---|---|---|---|---|---|
| 0.75/1.5/2.2/3.0/4.4/5.0/6.0 | 1.5/3.0/4.5 | 4.4/8.8 | 5.5 | 4.4 | 8.8 | 6.1 | 6.0 | 1.0/3.0/6.0 | 5.2 |
| IP20/IP65/IP68/IP69 | IP20 | IP20 | IP65/IP68/IP69 | IP20/IP69 | IP20 | IP20 | IP67 | IP20/IP65/IP68/IP69 | IP20/IP65/IP68/IP69 |
| N | N | N | N | N | N | N | N | N | N |

## AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

### 0-10V/ELV/MLV 3-IN-1



**60W, 96W, 288W 0-10V/ELV/MLV 3-in-1 Dimmable Drivers**

Part No.:
- DRVW2460TRI010 (60 W)
- DRVW2496TRI010 (96 W)
- DRVW24288TRI010 (288 W)

24 VDC
120-277 VAC
IP65, dry/damp/wet locations
UL Listed

### ELV



**60W Dimmable Driver**

Part No.:
- DRVW2460ELV

24 VDC
100-130 VAC
Fits in single-gang switch boxes
IP20, dry locations
UL Recognized

### 0-10V VW/WD



**0-10V Dimmable 96W VW/WD Driver**

Part No.:
- DRVW2496VWWD

24 VDC
100-277 VAC
UL wet-rated, dry/damp/wet locations
UL Listed

### COMPACT



**60W, 96W Non-Dimming Compact Drivers**

Part No.:
- DRV2460C (60 W)
- DRV2496C (96 W)

24 VDC
120-277 VAC
IP20, dry locations
UL Class P

### ATHENA WIRELESS COMPATIBLE



**94W Athena Wireless Compatible Drivers**

Part No.:
- DRVW2494ATH1CH (1 channel)
- DRVW2494ATH2CH (2 channel)

24 VDC
100-277 VAC
Dry locations
UL Listed

### CASAMBI COMPATIBLE DRIVERS



**100W & 200W Casambi Compatible 4 Channel Drivers**

Part No.:
- DRVW24100CAS4CH (100 W)
- DRVW24200CAS4CH (200 W)

24 VDC
100-277 VAC
IP66, dry/damp/wet locations
UL Listed, CE, RoHS, Bluetooth, CASAMBI

### DIMMABLE DALI-2 DRIVERS



**96W DIMMABLE DALI-2 DT6 D4I & DALI-2 DT8 D4I DRIVERS**

Part No.:
- DRVW2496DALI1CH (1 channel)
- DRVW2496DALI2CH (2 channel)

24-26 VDC
120-277 VAC
IP67, dry/damp/wet locations
UL Listed

### DIMMABLE DALI-2 DRIVERS



**75W, 150W, 240W DALI-2 Dimmable Drivers**

Part No.:
- DRVW2475DALI1CH (75 W, 1 channel)
- DRVW24150DALI1CH (150 W, 1 channel)
- DRVW24240DALI1CH (240 W, 1 channel)
- DRV24150DALI2CH (150 W, 2 channels)
- DRV24150DALI4CH (150 W, 4 channels)

24 VDC
120-277 VAC
IP67, damp/wet locations (1-channel drivers only)
IP20, dry location (2-channel & 4-channel drivers only)
CE, RoHS, SELV

### DMX CONTROLLERS, VARIABLE WHITE DIMMER, WARM DIM DIMMER - FOR COLOR CHANGING FIXTURES



**GLASS TOUCH WALL CONTROLLERS**
Part No.:
- AWCRGBWWBK
- AWCVWBK



**1 ZONE WALL CONTROLLER**
Part No.: DMXCTRLG



**5 ZONE WALL CONTROLLER**
Part No.: DMXCTRL



**10 ZONE WALL CONTROLLER**
Part No.: DMXCTRLD



**6 UNIVERSE DMX CONTROLLER**
Part No.: DMXCTRLDR6U



**VARIABLE WHITE DIMMER**
Part No.:
- RFDIMVWWH (White)
- RFDIMVWBK (Black)



**WARM DIM DIMMER**
Part No.:
- RFDIMWDWH (White)
- RFDIMWDBK (Black)



**4 CHANNEL WATERPROOF DMX INTERFACE**
Part No.: DMXINFWLCD4



**5 CHANNEL DMX DECODER**
Part No.: DMXINF5



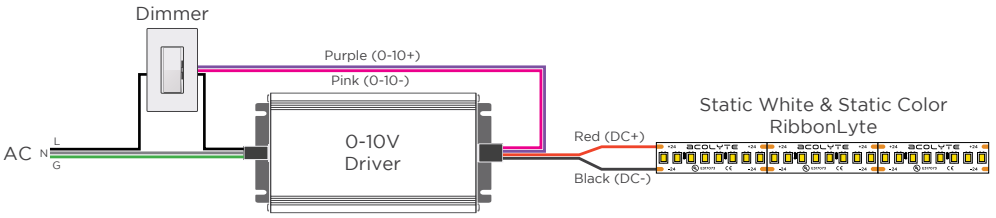
**DMX OPTO SPLITTER**
Part No.: DMXOS8

### DRIVER AND RIBBONLYTE AT FULL LOAD

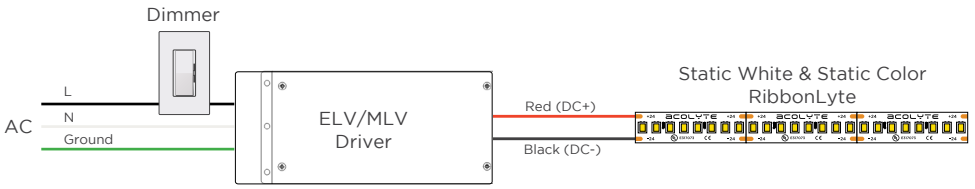
| Wattages | 30 | | 60 | | 96 | | 150 | | 200 | | 240 | | 300 | | 320 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wire Gauge | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters |
| 24 AWG / 0.25 mm² | 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 / 0.34 mm² | 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 / 0.5 mm² | 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 / 0.75 mm² | 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 / 1.5 mm² | 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 / 2.5 mm² | 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 / 4 mm² | 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 / 6 mm² | 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 / 10 mm² | 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 - STATIC WHITE / STATIC COLOR / RGBW / RGBA / RGBWW

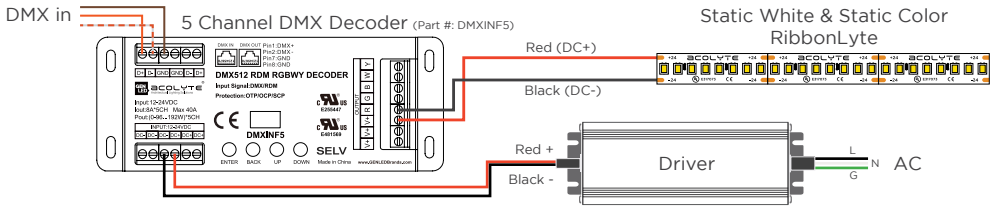
### 0-10 V



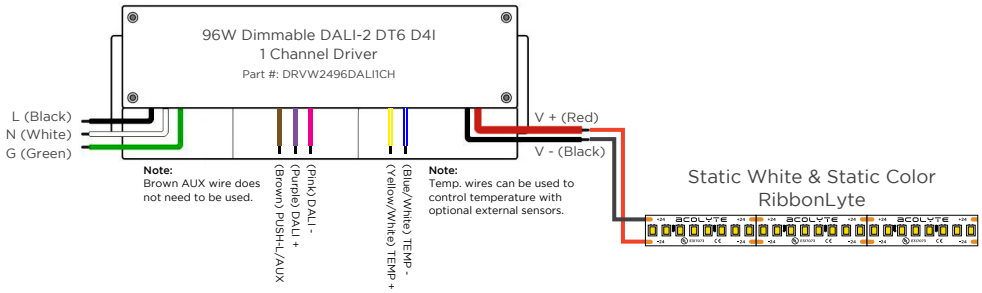

### MLV / ELV



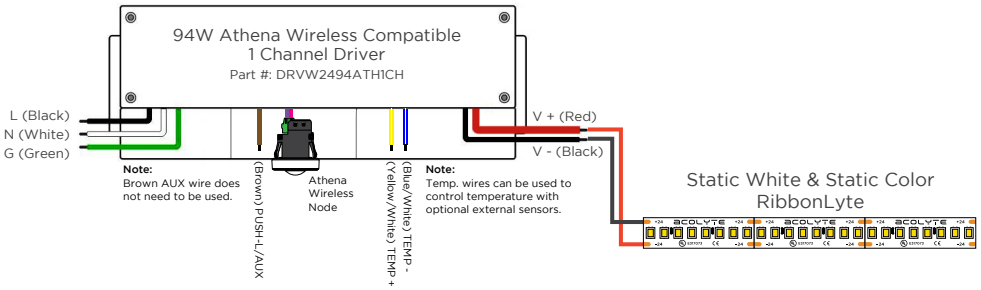

### DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



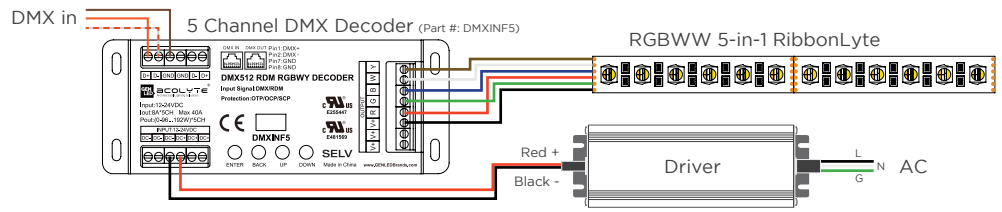

### DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE




### STATIC WHITE & STATIC COLOR RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER




### DMX WITH RGBWW 5-IN-1 RIBBONLYTE




### WIRE COLORS

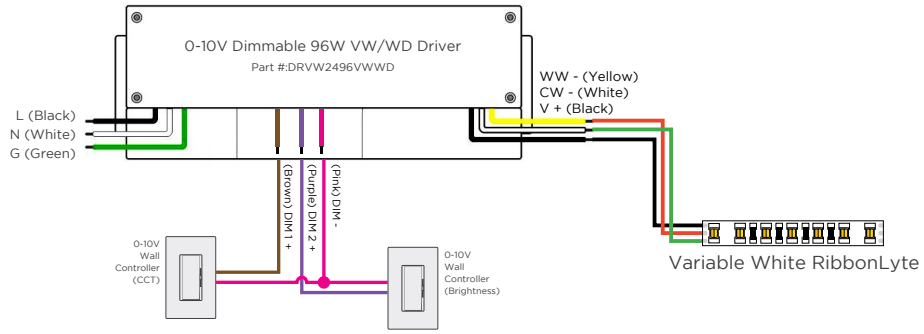
**STATIC WHITE + STATIC COLOR**
Red Wire (+) Positive
Black Wire (-) Negative

**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

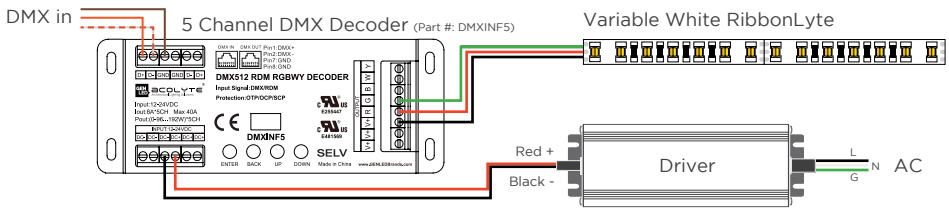
**RGBWW**
Black (+) Positive
Green Wire (-) goes to Green Channel
Red Wire (-) goes to Red Channel
Blue Wire (-) goes to Blue Channel
White Wire (-) goes to White Channel 1
Brown Wire (-) goes to White Channel 2

## WIRING DIAGRAMS - VARIABLE WHITE

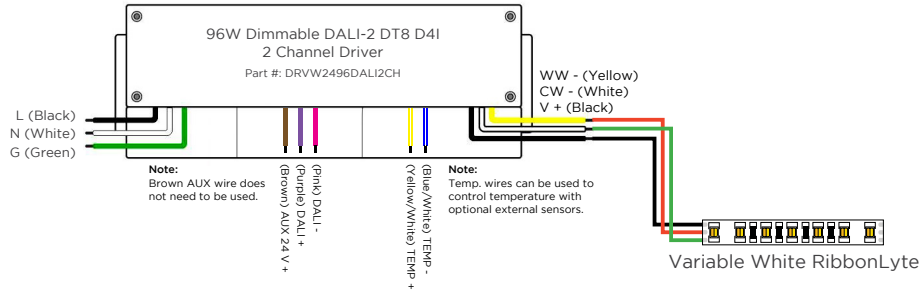
### 2-CHANNEL VARIABLE WHITE DIMMING



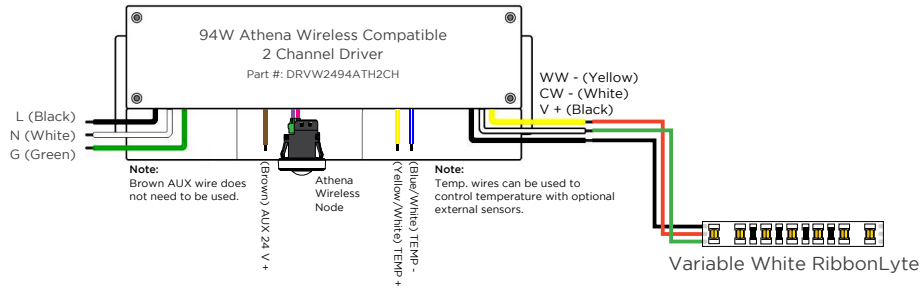

### DMX WIRING WITH VARIABLE WHITE RIBBONLYTE




### DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE




### VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER




### WIRE COLORS

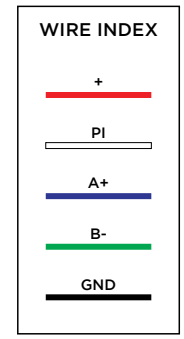
**VARIABLE WHITE**
Black Wire (+) Positive
Red Wire (-) goes to Warm White Channel
Green Wire (-) goes to Cool White Channel

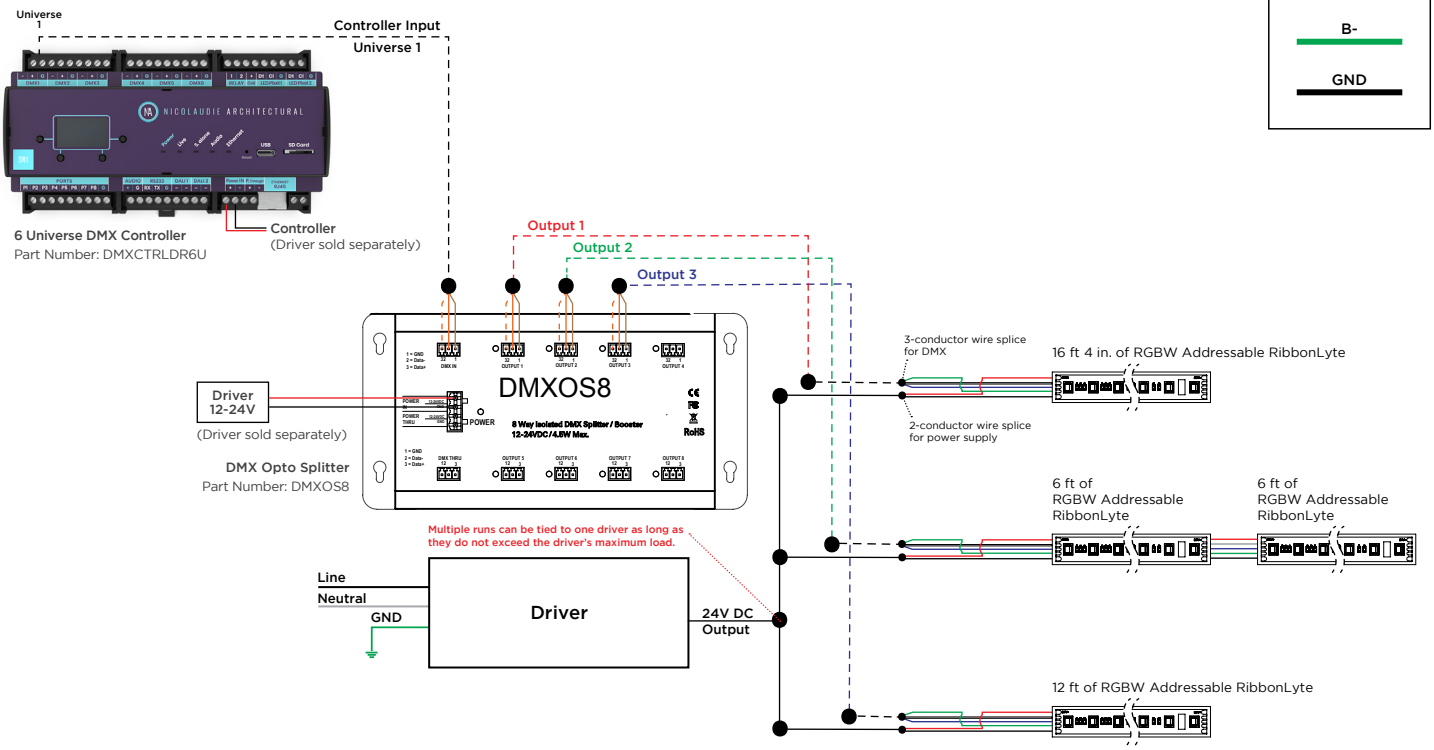
## WIRING DIAGRAMS WITH RGBW ADDRESSABLE RIBBONLYTE

**One DMX Universe consists of 128 addresses and 512 channels (42 ft / 12.8 m 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.




REV.04NOV2026


### GLOBAL HQ
320 Murray Hill Pkwy
East Rutherford, NJ 07073
U.S.
T: (+1) 212 629 6830
E: Sales-US@GENLEDBrands.com

### EUROPEAN HQ
Hogeweyselaan 119
1382 JK Weesp
Netherlands
T: (+31) 346 235 000
E: SalesEurope@GENLEDBrands.com

### MEINA HQ
PO Box 371378, #823, Building 4EA
Dubai Airport Free Zone
Dubai, UAE
T: (+971) 4 701 7901
E: SalesMEINA@genledbrands.com

### ASIA-PACIFIC HQ
Room 402, Building D
Shenshi Tongchuang Science and Technology Park
No. 16 Hongyin Road
Xingqiang Community, Xinhu Street
Guangming District, Shenzhen, China 518107
T: (+86) 755 8529 0710
E: Sales-Pacific@GENLEDBrands.com