

## AS10 CHANNEL FIXTURE

AS10 Channel is a surface mounted aluminum extrusion that offers clear or milky lens options. With a beam angle of 110 degrees, AS10 Channel fits RibbonLyte strips with a maximum width up to 0.39 in. (10 mm).

- Available for field assembly or factory assembly
- 0.47 in. (12 mm) wide by 0.47 in. (12 mm) deep
- Beam angle 110°
- Wattage Range from 0.75 W/ft (2.46 W/m) to 4.4 W/ft (14.4 W/m)
- Static White delivered lumen range from 47 lm/ft (155 lm/m) up to 585 lm/ft (1920 lm/m)
- Clear or Milky Lens
- Continuous run length for Milky Lens is up to 66 ft (20 m)

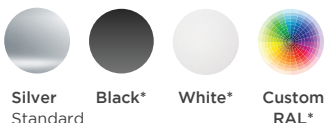


RoHS

Declare.



## HOUSING FINISHES



\*Additional fee applies

## LENS FINISHES

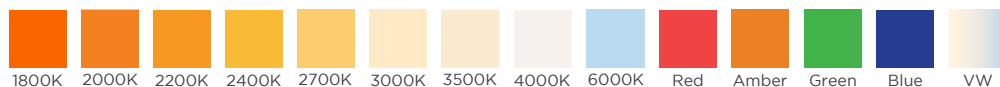


**Clear Lens**  
93% Light Transmission



**Milky Lens**  
75% Light Transmission  
Continuous run length up to 66 ft (20 m)

## AVAILABLE COLORS & COLOR TEMPERATURES



## DIMENSIONS

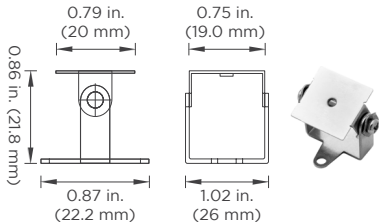
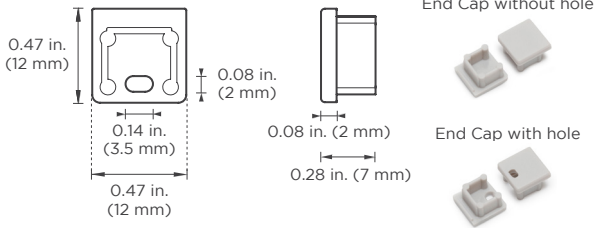
| AS10 Channel                                                                                                                                                      | Mounting Clip (included accessory)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Width:</b> 0.47 in. (12 mm)<br/><b>Height:</b> 0.47 in. (12 mm)<br/><b>Internal Width:</b> 0.39 in. (10 mm)<br/><b>Internal Height:</b> 0.31 in. (8 mm)</p> | <p>Material: stainless steel</p> <div> <div> <p><b>Side View</b></p> <p><b>Width:</b> 0.52 in. (13.1 mm)<br/><b>Length:</b> 0.63 in. (16 mm)</p> </div> <div> <p><b>Top View</b></p> </div> <div> <p><b>Assembled View</b></p> <p><b>Option 1:</b> 0.57 in. (14.4 mm)<br/><b>Option 2:</b> 0.51 in. (13 mm)</p> <p><b>Width:</b> 0.52 in. (13.1 mm)<br/><b>Height (option 1):</b> 0.57 in. (14.4 mm)<br/><b>Height (option 2):</b> 0.51 in. (13 mm)</p> </div> </div> <p><b>Note:</b></p> <ol style="list-style-type: none"> <li>1. <b>Magnetic mounting</b> option available (see page 2)</li> <li>2. <b>Exterior channel applications</b> should be securely attached to the mounting surface with appropriate screws and/or liquid nails. Acolyte strongly recommends field assembly for exterior applications. Use mounting clips for interior applications only.</li> </ol> |

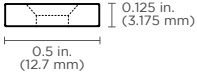
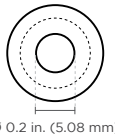
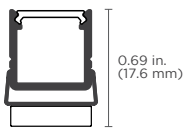
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## SPECIFICATIONS

|                        |                                                                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Beam Angle             | 110°                                                                                                                                                                                                                                   |
| Lens Type              | Clear Lens, Milky Lens (continuous run length for Milky Lens is up to 66 ft / 20 m)                                                                                                                                                    |
| 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 / CASAMBI                                                                                                                                                                                                 |
| Operating Temperature  | -40 — 158 °F (-40 — 70 °C)                                                                                                                                                                                                             |
| Colors                 | 1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, VW<br>(1800K, 2000K, 2200K only available in IP20)                                                                                             |
| CRI                    | 90+ CRI (for Static White LEDs only)                                                                                                                                                                                                   |
| Lamp Life              | L70 at 50,000 hours                                                                                                                                                                                                                    |
| MacAdam ellipse (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 Luminaires; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant |

## ACCESSORIES (SEE PART NUMBERS AT STEP 4 ON PAGE 3)

| Tilttable Stand                                                                                                                                                                                                          | End Caps                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Assembled Height with Channel (Option 1): 1.43 in. (36.2 mm)<br/>Assembled Height with Channel (Option 2): 1.37 in. (34.8 mm)</p> | <p>Material: ABS</p>  <p>End Cap without hole<br/>End Cap with hole</p> |

| Magnetic Mount (Part #: CHMAG0.5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                      |                                                                                                     |                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>Side View</p>  | <p>Top View</p>  | <p>Assembled View</p>  |
| <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>- High-energy neodymium magnets come attached to mounting clips with countersink hex nuts</li> <li>- Create easy-mount magnetic channels with minimal surface gaps; no tools or drilling necessary</li> <li>- Magnets rated for 8 lbs. of pull force with static load</li> </ul> <p><b>Applications:</b></p> <ul style="list-style-type: none"> <li>- Industrial lighting retrofits for troffers and other metal fixtures</li> <li>- Metal retail shelf lighting</li> <li>- Temporary light fixture installations</li> </ul> |                                                                                                      |                                                                                                     |                                                                                                           |

## ORDERING GUIDE

### STEP 1 Complete Channel Part Number

| CHANNEL               | LENS                                                                                                                        | HOUSING COLOR                                                                                                                                |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CHAS10</b>         |                                                                                                                             |                                                                                                                                              |
| CHAS10 - AS10 Channel | <b>C</b> - Clear Lens <b>M</b> - Milky Lens*<br><small>* Continuous run length for Milky Lens is up to 66 ft (20 m)</small> | <b>SV</b> - Silver <b>WH</b> - White**<br><b>BK</b> - Black** <small>** Additional fee applies<br/>Consult factory for custom colors</small> |

### STEP 2 Complete RibbonLyte Part Number

| CATEGORY        | CRI                                                                         | RIBBON TYPE & IP RATING                                                                                                                                                                                                                                                                                                              |
|-----------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RB</b>       |                                                                             |                                                                                                                                                                                                                                                                                                                                      |
| RB - RibbonLyte | <b>0</b> - Static Color, Color Changing<br><b>90</b> - 90+ CRI Static White | <b>SWS220</b> - Static White Series 2 IP20 <b>VWS220</b> - VW Series 2 IP20<br><b>SWS265</b> - Static White Series 2 IP65 <b>VWS265</b> - VW Series 2 IP65<br><b>SCS220</b> - Static Color Series 2 IP20 <b>LINEA20</b> - Linea RibbonLyte IP20<br><b>SCS265</b> - Static Color Series 2 IP65 <b>XACTA20</b> - Xacta RibbonLyte IP20 |

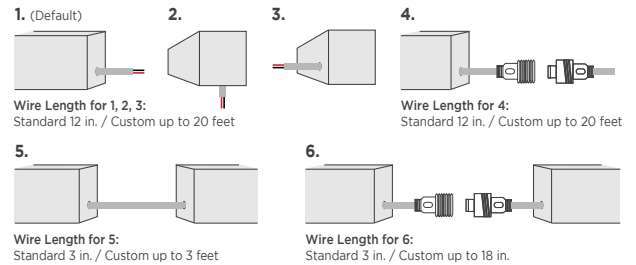
**NOTE:** To ensure waterproofing standards are met, IP65 RibbonLyte can NOT be cut in the field.

| WATTAGE                                                               | COLOR                                                                                 |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 0.75 - 0.75 W/ft (2.46 W/m - Static White, Static Color)              | 18 - 1800K <b>R</b> - Red                                                             |
| 1.0 - 1.0 W/ft (3.3 W/m - Variable White)                             | 20 - 2000K <b>A</b> - Amber                                                           |
| 1.5 - 1.5 W/ft (4.9 W/m - Static White, Static Color, Variable White) | 22 - 2200K <b>G</b> - Green                                                           |
| 2.2 - 2.2 W/ft (7.2 W/m - Static White, Static Color)                 | 24 - 2400K <b>B</b> - Blue                                                            |
| 2.4 - 2.4 W/ft (8 W/m - Static White Linea)                           | 27 - 2700K <b>VW</b> - Variable White 2000K-6500K                                     |
| 3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color, Variable White) | 30 - 3000K <b>VW1833</b> - Variable White 1800K-3300K (IP20)                          |
| 4.3 - 4.3 W/ft (14 W/m - Static White Linea)                          | 35 - 3500K <b>Z</b> - Undecided (For quotes only. Must be chosen before final order.) |
| 4.4 - 4.4 W/ft (14.4 W/m - Static White, Static Color)                | 40 - 4000K                                                                            |
| 4.5 - 4.5 W/ft (14.8 W/m - Static White, Variable White)              | 60 - 6000K                                                                            |
| 6.0 - 6.0 W/ft (19.7 W/m - Variable White)                            |                                                                                       |
| 6.1 - 6.1 W/ft (20 W/m - Variable White Linea)                        |                                                                                       |

#### 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)

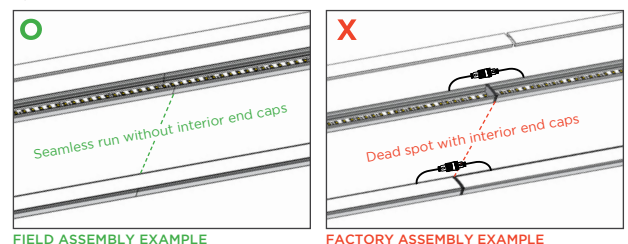
\*\*\* Factory assembled runs exceeding 6 ft 6.7 in. (2 m) will be split into multiple daisy chained fixtures.

### STEP 4 Add Accessories

#### ACCESSORIES

- TILTSTANDST** - Tilttable Stand  
**CHMAG0.5** - Magnetic Mount

**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         | Incremental Length | LED Pitch               | Colors & CCTs | Delivered Lumens with Clear 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         | 59                               | 192  | 47                               | 155  | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)   | ✓                       | ✓    |      |      |
|                            |                    |                         | 2000K         | 69                               | 227  | 56                               | 183  |                                              |                         |      |      |      |
|                            |                    |                         | 2200K         | 76                               | 249  | 61                               | 201  |                                              |                         |      |      |      |
|                            |                    |                         | 2400K         | 79                               | 259  | 64                               | 209  |                                              |                         |      |      |      |
|                            |                    |                         | 2700K         | 86                               | 281  | 69                               | 227  |                                              |                         |      |      |      |
|                            |                    |                         | 3000K         | 86                               | 281  | 69                               | 227  |                                              |                         |      |      |      |
|                            |                    |                         | 3500K         | 91                               | 297  | 73                               | 240  |                                              |                         |      |      |      |
|                            |                    |                         | 4000K         | 93                               | 307  | 75                               | 247  |                                              |                         |      |      |      |
|                            |                    |                         | 6000K         | 91                               | 300  | 74                               | 242  |                                              |                         |      |      |      |
| 1.5 Static White Series 2  | 1.97 in. (50 mm)   | 48 LEDs/ft (160 LEDs/m) | 1800K         | 117                              | 384  | 95                               | 310  | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)   | ✓                       | ✓    |      |      |
|                            |                    |                         | 2000K         | 137                              | 449  | 110                              | 362  |                                              |                         |      |      |      |
|                            |                    |                         | 2200K         | 152                              | 499  | 123                              | 402  |                                              |                         |      |      |      |
|                            |                    |                         | 2400K         | 158                              | 517  | 127                              | 417  |                                              |                         |      |      |      |
|                            |                    |                         | 2700K         | 172                              | 563  | 138                              | 454  |                                              |                         |      |      |      |
|                            |                    |                         | 3000K         | 172                              | 563  | 138                              | 454  |                                              |                         |      |      |      |
|                            |                    |                         | 3500K         | 180                              | 590  | 145                              | 476  |                                              |                         |      |      |      |
|                            |                    |                         | 4000K         | 187                              | 613  | 151                              | 495  |                                              |                         |      |      |      |
|                            |                    |                         | 6000K         | 183                              | 600  | 147                              | 484  |                                              |                         |      |      |      |
| 2.2 Static White Series 2  | 1.97 in. (50 mm)   | 48 LEDs/ft (160 LEDs/m) | 1800K         | 169.8                            | 557  | 136.96                           | 449  | IP20: 42 ft (12.8 m)<br>IP65: 32.8 ft (10 m) | ✓                       | ✓    |      |      |
|                            |                    |                         | 2000K         | 196.4                            | 644  | 158.4                            | 520  |                                              |                         |      |      |      |
|                            |                    |                         | 2200K         | 216.9                            | 712  | 174.9                            | 574  |                                              |                         |      |      |      |
|                            |                    |                         | 2400K         | 227.1                            | 745  | 183.15                           | 601  |                                              |                         |      |      |      |
|                            |                    |                         | 2700K         | 245.5                            | 806  | 198                              | 650  |                                              |                         |      |      |      |
|                            |                    |                         | 3000K         | 249.6                            | 819  | 201.3                            | 660  |                                              |                         |      |      |      |
|                            |                    |                         | 3500K         | 259.8                            | 852  | 209.55                           | 687  |                                              |                         |      |      |      |
|                            |                    |                         | 4000K         | 272.1                            | 893  | 219.45                           | 720  |                                              |                         |      |      |      |
|                            |                    |                         | 6000K         | 261.9                            | 859  | 211.2                            | 693  |                                              |                         |      |      |      |
| 3.0 Static White Series 2  | 1.97 in. (50 mm)   | 48 LEDs/ft (160 LEDs/m) | 1800K         | 234                              | 769  | 189                              | 620  | IP20: 36 ft (11 m)<br>IP65: 32.8 ft (10 m)   | ✓                       | ✓    |      |      |
|                            |                    |                         | 2000K         | 273                              | 897  | 221                              | 723  |                                              |                         |      |      |      |
|                            |                    |                         | 2200K         | 301                              | 989  | 243                              | 797  |                                              |                         |      |      |      |
|                            |                    |                         | 2400K         | 306                              | 1005 | 247                              | 811  |                                              |                         |      |      |      |
|                            |                    |                         | 2700K         | 343                              | 1125 | 277                              | 907  |                                              |                         |      |      |      |
|                            |                    |                         | 3000K         | 363                              | 1190 | 293                              | 960  |                                              |                         |      |      |      |
|                            |                    |                         | 3500K         | 371                              | 1217 | 299                              | 982  |                                              |                         |      |      |      |
|                            |                    |                         | 4000K         | 371                              | 1217 | 299                              | 982  |                                              |                         |      |      |      |
|                            |                    |                         | 6000K         | 357                              | 1172 | 288                              | 945  |                                              |                         |      |      |      |
| 4.4 Static White Series 2  | 1.97 in. (50 mm)   | 48 LEDs/ft (160 LEDs/m) | 1800K         | 331                              | 1087 | 267                              | 877  | 28 ft 4 in. (8.64 m)                         | ✓                       | ✓    |      |      |
|                            |                    |                         | 2000K         | 389                              | 1275 | 314                              | 1029 |                                              |                         |      |      |      |
|                            |                    |                         | 2200K         | 430                              | 1410 | 347                              | 1137 |                                              |                         |      |      |      |
|                            |                    |                         | 2400K         | 446                              | 1463 | 360                              | 1180 |                                              |                         |      |      |      |
|                            |                    |                         | 2700K         | 499                              | 1638 | 403                              | 1321 |                                              |                         |      |      |      |
|                            |                    |                         | 3000K         | 528                              | 1732 | 426                              | 1397 |                                              |                         |      |      |      |
|                            |                    |                         | 3500K         | 540                              | 1772 | 436                              | 1429 |                                              |                         |      |      |      |
|                            |                    |                         | 4000K         | 540                              | 1772 | 436                              | 1429 |                                              |                         |      |      |      |
|                            |                    |                         | 6000K         | 516                              | 1692 | 416                              | 1364 |                                              |                         |      |      |      |
| 0.75 Static Color Series 2 | 1.97 in. (50 mm)   | 48 LEDs/ft (160 LEDs/m) | Red           | 29                               | 94   | 23                               | 76   | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)   | ✓                       | ✓    |      |      |
|                            |                    |                         | Green         | 122                              | 400  | 98                               | 323  |                                              |                         |      |      |      |
|                            |                    |                         | Blue          | 13.3                             | 43   | 10.69                            | 35   |                                              |                         |      |      |      |
|                            |                    |                         | Amber         | 24                               | 78   | 19                               | 63   |                                              |                         |      |      |      |
| 1.5 Static Color Series 2  | 1.97 in. (50 mm)   | 48 LEDs/ft (160 LEDs/m) | Red           | 59                               | 192  | 47                               | 155  | IP20: 49 ft (15 m)<br>IP65: 32.8 ft (10 m)   | ✓                       | ✓    |      |      |
|                            |                    |                         | Green         | 223                              | 732  | 180                              | 591  |                                              |                         |      |      |      |
|                            |                    |                         | Blue          | 25                               | 82   | 20                               | 66   |                                              |                         |      |      |      |
|                            |                    |                         | Amber         | 47                               | 156  | 38                               | 125  |                                              |                         |      |      |      |

**RIBBONLYTE SPECIFICATIONS & COMPATIBILITY**

| Available Wattages          | Cuttable Length     | LED Pitch                | Colors & CCTs | Delivered Lumens with Clear Lens |        | Delivered Lumens with Milky Lens |        | Max Length              | IP20 | Compatible with Channel |      |      |  |
|-----------------------------|---------------------|--------------------------|---------------|----------------------------------|--------|----------------------------------|--------|-------------------------|------|-------------------------|------|------|--|
|                             |                     |                          |               | lm/ft                            | lm/m   | lm/ft                            | lm/m   |                         |      | IP65                    | IP68 | IP69 |  |
| 2.2 Static Color Series 2   | 1.97 in. (50 mm)    | 48 LEDs/ft (160 LEDs/m)  | Red           | 86                               | 282    | 69                               | 277    | IP20:<br>42 ft (12.8 m) | ✓    | ✓                       |      |      |  |
|                             |                     |                          | Green         | 297                              | 973    | 239                              | 785    |                         |      |                         |      |      |  |
|                             |                     |                          | Blue          | 37                               | 121    | 30                               | 97     | IP65:<br>32.8 ft (10 m) |      |                         |      |      |  |
|                             |                     |                          | Amber         | 70                               | 228    | 56                               | 184    |                         |      |                         |      |      |  |
| 3.0 Static Color Series 2   | 1.97 in. (50 mm)    | 48 LEDs/ft (160 LEDs/m)  | Red           | 112                              | 366    | 90                               | 295    | 32.8 ft (10 m)          | ✓    | ✓                       |      |      |  |
|                             |                     |                          | Green         | 354                              | 1162   | 286                              | 937    |                         |      |                         |      |      |  |
|                             |                     |                          | Blue          | 70                               | 229    | 56                               | 185    |                         |      |                         |      |      |  |
|                             |                     |                          | Amber         | 81                               | 265    | 65                               | 214    |                         |      |                         |      |      |  |
| 4.4 Static Color Series 2   | 1.97 in. (50 mm)    | 48 LEDs/ft (160 LEDs/m)  | Red           | 155                              | 510    | 125                              | 411    | 29 ft (8.8 m)           | ✓    | ✓                       |      |      |  |
|                             |                     |                          | Green         | 479                              | 1571   | 386                              | 1267   |                         |      |                         |      |      |  |
|                             |                     |                          | Blue          | 98                               | 322    | 79                               | 260    |                         |      |                         |      |      |  |
|                             |                     |                          | Amber         | 102                              | 336    | 83                               | 271    |                         |      |                         |      |      |  |
| 2.4 Static White Linea      | 1.97 in. (50 mm)    | 146 LEDs/ft (480 LEDs/m) | 2700K         | 149.7                            | 491    | 120.8                            | 396    | 21.3 ft (6.5 m)         | ✓    | n/a                     | n/a  | n/a  |  |
|                             |                     |                          | 3000K         | 158.1                            | 519.9  | 127.5                            | 419.3  |                         |      |                         |      |      |  |
|                             |                     |                          | 3500K         | 185.1                            | 608.2  | 149.3                            | 490.5  |                         |      |                         |      |      |  |
|                             |                     |                          | 4000K         | 185.1                            | 608.2  | 149.3                            | 490.5  |                         |      |                         |      |      |  |
| 3.0 Static White Linea      | 1.97 in. (50 mm)    | 146 LEDs/ft (480 LEDs/m) | 2700K         | 184.1                            | 604.5  | 148.5                            | 487.5  | 21.3 ft (6.5 m)         | ✓    | n/a                     | n/a  | n/a  |  |
|                             |                     |                          | 3000K         | 203.7                            | 668.7  | 164.3                            | 539.3  |                         |      |                         |      |      |  |
|                             |                     |                          | 3500K         | 217.6                            | 714.2  | 175.5                            | 576    |                         |      |                         |      |      |  |
|                             |                     |                          | 4000K         | 231.6                            | 759.8  | 186.8                            | 612.8  |                         |      |                         |      |      |  |
| 4.3 Static White Linea      | 1.97 in. (50 mm)    | 146 LEDs/ft (480 LEDs/m) | 2700K         | 300.4                            | 983.9  | 242.3                            | 793.5  | 24.6 ft (7.5 m)         | ✓    | n/a                     | n/a  | n/a  |  |
|                             |                     |                          | 3000K         | 311.6                            | 1023   | 251.3                            | 825    |                         |      |                         |      |      |  |
|                             |                     |                          | 3500K         | 344.1                            | 1128   | 277.5                            | 910.5  |                         |      |                         |      |      |  |
|                             |                     |                          | 4000K         | 344.1                            | 1128   | 277.5                            | 910.5  |                         |      |                         |      |      |  |
| 6.1 Variable White Linea    | 1.09 in. (27.78 mm) | 175 LEDs/ft (576 LEDs/m) | 2700K + 6500K | 539.4                            | 1769.8 | 435                              | 1427   | 16.4 ft (5 m)           | ✓    | n/a                     | n/a  | n/a  |  |
| 1.5 Static White Xacta      | 0.2 in. (5 mm)      | 61 LEDs/ft (200 LEDs/m)  | 1800K         | 110.2                            | 361.6  | 83.9                             | 275.1  | 32.74 ft (9.98 m)       | ✓    | n/a                     | n/a  | n/a  |  |
|                             |                     |                          | 2000K         | 130.1                            | 426.8  | 99                               | 324.7  |                         |      |                         |      |      |  |
|                             |                     |                          | 2200K         | 142.7                            | 468.3  | 108.6                            | 356.3  |                         |      |                         |      |      |  |
|                             |                     |                          | 2400K         | 148.2                            | 486.1  | 112.7                            | 369.8  |                         |      |                         |      |      |  |
|                             |                     |                          | 2700K         | 168                              | 551.3  | 127.9                            | 419.4  |                         |      |                         |      |      |  |
|                             |                     |                          | 3000K         | 175.3                            | 575    | 133.4                            | 437.5  |                         |      |                         |      |      |  |
|                             |                     |                          | 3500K         | 180.7                            | 592.8  | 137.5                            | 451    |                         |      |                         |      |      |  |
|                             |                     |                          | 4000K         | 177.1                            | 580.9  | 134.7                            | 442    |                         |      |                         |      |      |  |
| 3.0 Static White Xacta      | 0.2 in. (5 mm)      | 61 LEDs/ft (200 LEDs/m)  | 6000K         | 173.5                            | 569    | 132                              | 433    | 23.62 ft (7.2 m)        | ✓    | n/a                     | n/a  | n/a  |  |
|                             |                     |                          | 1800K         | 196.3                            | 643.9  | 149.3                            | 489.9  |                         |      |                         |      |      |  |
|                             |                     |                          | 2000K         | 231.6                            | 760    | 176.2                            | 578.3  |                         |      |                         |      |      |  |
|                             |                     |                          | 2200K         | 254.2                            | 833.9  | 193.4                            | 634.5  |                         |      |                         |      |      |  |
|                             |                     |                          | 2400K         | 263.8                            | 865.6  | 200.7                            | 658.6  |                         |      |                         |      |      |  |
|                             |                     |                          | 2700K         | 299.2                            | 981.7  | 227.7                            | 747    |                         |      |                         |      |      |  |
|                             |                     |                          | 3000K         | 312.1                            | 1023.9 | 237.4                            | 779.1  |                         |      |                         |      |      |  |
|                             |                     |                          | 3500K         | 321.7                            | 1055.6 | 244.8                            | 803.2  |                         |      |                         |      |      |  |
| 4.5 Static White Xacta      | 0.2 in. (5 mm)      | 61 LEDs/ft (200 LEDs/m)  | 4000K         | 315.3                            | 1034.5 | 239.9                            | 787.1  | 19.03 ft (5.8 m)        | ✓    | n/a                     | n/a  | n/a  |  |
|                             |                     |                          | 6000K         | 308.9                            | 1013.4 | 235                              | 771.1  |                         |      |                         |      |      |  |
|                             |                     |                          | 1800K         | 299.6                            | 983    | 228                              | 747.9  |                         |      |                         |      |      |  |
|                             |                     |                          | 2000K         | 353.7                            | 1160.3 | 269.1                            | 882.8  |                         |      |                         |      |      |  |
|                             |                     |                          | 2200K         | 388                              | 1273.1 | 295.2                            | 968.6  |                         |      |                         |      |      |  |
|                             |                     |                          | 2400K         | 402.8                            | 1321.4 | 306.5                            | 1005.4 |                         |      |                         |      |      |  |
|                             |                     |                          | 2700K         | 456.8                            | 1498.7 | 347.6                            | 1140.3 |                         |      |                         |      |      |  |
|                             |                     |                          | 3000K         | 476.5                            | 1563.1 | 362.5                            | 1189.3 |                         |      |                         |      |      |  |
| 1.5 Variable White Xacta    | 0.2 in. (5 mm)      | 122 LEDs/ft (400 LEDs/m) | 3500K         | 491.2                            | 1611.5 | 373.7                            | 1226.1 |                         | ✓    | n/a                     | n/a  | n/a  |  |
|                             |                     |                          | 4000K         | 481.4                            | 1579.2 | 366.3                            | 1201.6 |                         |      |                         |      |      |  |
|                             |                     |                          | 6000K         | 471.5                            | 1547   | 358.8                            | 1177.1 |                         |      |                         |      |      |  |
|                             |                     |                          | 2400K 6000K   | 189.1                            | 620.4  | 143.9                            | 472    |                         |      |                         |      |      |  |
| 3.0 Variable White Xacta    | 0.2 in. (5 mm)      | 122 LEDs/ft (400 LEDs/m) | 2400K 6000K   | 371.1                            | 1217.7 | 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   | 524.2                            | 1719.8 | 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   | 79                               | 259    | 64                               | 209    | 32.8 ft (10 m)          | ✓    | ✓                       |      |      |  |
| 3.0 Variable White Series 2 | 1.97 in. (50 mm)    | 42 LEDs/ft (140 LEDs/m)  | 2000K 6500K   | 223                              | 732    | 180                              | 591    | 32.8 ft (10 m)          | ✓    | ✓                       |      |      |  |
| 6.0 Variable White Series 2 | 1.97 in. (50 mm)    | 42 LEDs/ft (140 LEDs/m)  | 2000K 6500K   | 419                              | 1373   | 337.5                            | 1107   | 19 ft 8 in. (6 m)       | ✓    | ✓                       |      |      |  |

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

|  <b>No Visible Diode = N</b><br>Note: Linea RibbonLyte has no visible diode |  |  <b>With Visible Diode = Y</b> |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------|--|
| Static White and Static Color Series 2                                                                                                                         |  | Static White and Variable White Xacta                                                                             |  |
| 0.75/1.5/2.2/3.0/4.4                                                                                                                                           |  | 1.5/3.0/4.5                                                                                                       |  |
| IP20/IP65                                                                                                                                                      |  | IP20/IP65                                                                                                         |  |
| N                                                                                                                                                              |  | N                                                                                                                 |  |
| Variable White Series 2                                                                                                                                        |  | Variable White Series 2                                                                                           |  |
| 1.0/3.0/6.0                                                                                                                                                    |  | 1.0/3.0/6.0                                                                                                       |  |
| IP20/IP65                                                                                                                                                      |  | IP20/IP65                                                                                                         |  |
| N                                                                                                                                                              |  | N                                                                                                                 |  |

AVAILABLE DRIVERS / CONTROLLERS AND DIMMING OPTIONS / WIRE GAUGE CHART

| 0-10V/ELV/MLV 3-IN-1                                                                                                                                                                                                                      | ELV                                                                                                                                                                   | 0-10V VW/WD                                                                                                                                         | COMPACT                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                           |                                                                                      |                                                                    |                                                                                       |
| <b>60W, 96W, 288W 0-10V/ELV/MLV 3-in-1 Dimmable Drivers</b><br><br>Part No.:<br>• DRVW2460TRI010 (60 W)<br>• DRVW2496TRI010 (96 W)<br>• DRVW24288TRI010 (288 W)<br><br>24 VDC<br>120-277 VAC<br>IP65, dry/damp/wet locations<br>UL Listed | <b>60W Dimmable Driver</b><br><br>Part No.:<br>• DRVW2460ELV<br><br>24 VDC<br>100-130 VAC<br>Fits in single-gang switch boxes<br>IP20, dry locations<br>UL Recognized | <b>0-10V Dimmable 90W VW/WD Driver</b><br><br>Part No.:<br>• DRVRFWDVW2490120<br><br>24 VDC<br>100-277 VAC<br>IP23, dry/damp locations<br>UL Listed | <b>60W, 96W Non-Dimming Compact Drivers</b><br><br>Part No.:<br>• DRV2460C (60 W)<br>• DRV2496C (96 W)<br><br>24 VDC<br>120-277 VAC<br>IP20, dry locations<br>UL Class P |

| ATHENA WIRELESS COMPATIBLE                                                                                                                                                                | CASAMBI COMPATIBLE DRIVERS                                                                                                                                                                                                                     | DIMMABLE DALI-2 DRIVERS                                                                                                                                                                                                         | DIMMABLE DALI-2 DRIVERS                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                           |                                                                                                                                                               |                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                        |
| <b>94W Athena Wireless Compatible Drivers</b><br><br>Part No.:<br>• DRVW2494ATH1CH (1 channel)<br>• DRVW2494ATH2CH (2 channel)<br><br>24 VDC<br>100-277 VAC<br>Dry locations<br>UL Listed | <b>100W &amp; 200W Casambi Compatible 4 Channel Drivers</b><br><br>Part No.:<br>• DRVW24100CAS4CH (100 W)<br>• DRVW24200CAS4CH (200 W)<br><br>24 VDC<br>100-277 VAC<br>IP66, dry/damp/wet locations<br>UL Listed, CE, RoHS, Bluetooth, CASAMBI | <b>96W DIMMABLE DALI-2 DT6 D4I &amp; DALI-2 DT8 D4I DRIVERS</b><br><br>Part No.:<br>• DRVW2496DALI1CH (1 channel)<br>• DRVW2496DALI2CH (2 channel)<br><br>24-26 VDC<br>120-277 VAC<br>IP67, dry/damp/wet locations<br>UL Listed | <b>75W, 150W, 240W DALI-2 Dimmable Drivers</b><br><br>Part No.:<br>• DRVW2475DALI1CH (75 W, 1 channel)<br>• DRVW24150DALI1CH (150 W, 1 channel)<br>• DRVW24240DALI1CH (240 W, 1 channel)<br>• DRV24150DALI2CH (150 W, 2 channels)<br>• DRV24150DALI4CH (150 W, 4 channels)<br><br>24 VDC<br>120-277 VAC<br>IP67, damp/wet locations (1-channel drivers only)<br>IP20, dry location (2-channel & 4-channel drivers only)<br>CE, RoHS, SELV |

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

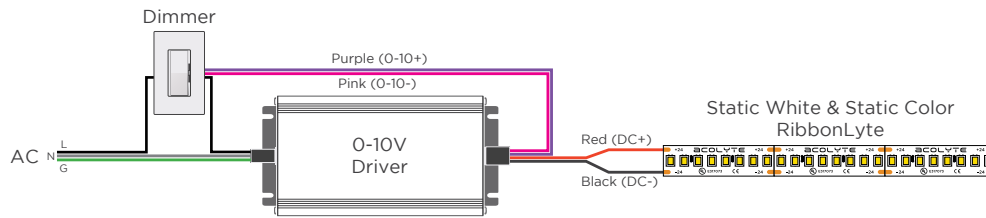
|                                                                                         |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|      |  |  |  |  |
| <b>GLASS TOUCH WALL CONTROLLERS</b><br>Part No.:<br>• AWCRCBWWBK<br>• AWCVWBK           | <b>1 ZONE WALL CONTROLLER</b><br>Part No.: DMXCTRLG                                 | <b>5 ZONE WALL CONTROLLER</b><br>Part No.: DMXCTRL                                  | <b>10 ZONE WALL CONTROLLER</b><br>Part No.: DMXCTRLD                                 | <b>6 UNIVERSE DMX CONTROLLER</b><br>Part No.: DMXCTRLDR6U                             |
|       |  |  |  |  |
| <b>VARIABLE WHITE DIMMER</b><br>Part No.:<br>• RFDIMVWWH (White)<br>• RFDIMVWBK (Black) | <b>WARM DIM DIMMER</b><br>Part No.:<br>• RFDIMVDWH (White)<br>• RFDIMVDBK (Black)   | <b>4 CHANNEL WATERPROOF DMX INTERFACE</b><br>Part No.: DMXINFWLC4D                  | <b>5 CHANNEL DMX DECODER</b><br>Part No.: DMXINF5                                    | <b>DMX OPTO SPLITTER</b><br>Part No.: DMXOS8                                          |

DRIVER AND RIBBONLYTE AT FULL LOAD

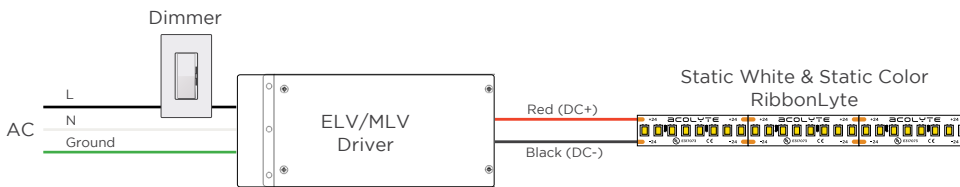
| Wattages                      | 30   |        | 60   |        | 96   |        | 150  |        | 200  |        | 240  |        | 300  |        | 320  |        |
|-------------------------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| Wire Gauge                    | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters |
| 24 AWG / 0.25 mm <sup>2</sup> | 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 mm <sup>2</sup> | 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 mm <sup>2</sup>  | 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 mm <sup>2</sup> | 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 mm <sup>2</sup>  | 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 mm <sup>2</sup>  | 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 mm <sup>2</sup>    | 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 mm <sup>2</sup>    | 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 mm <sup>2</sup>    | 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

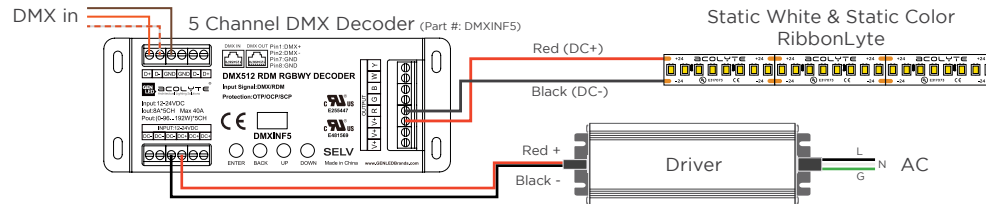
0-10 V



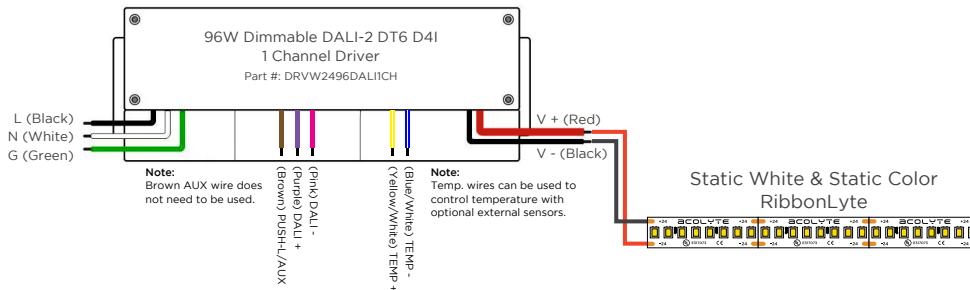
MLV / ELV



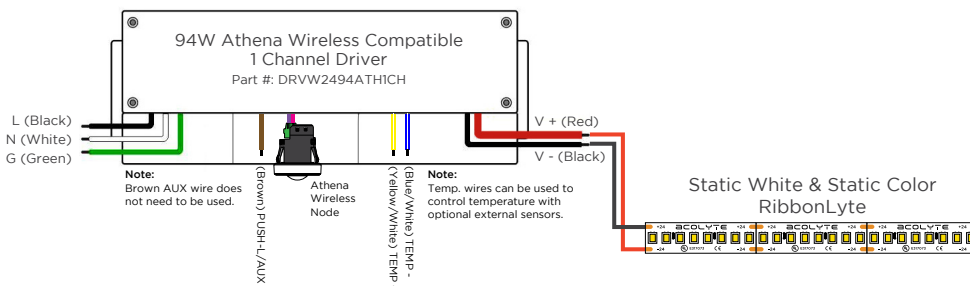
DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



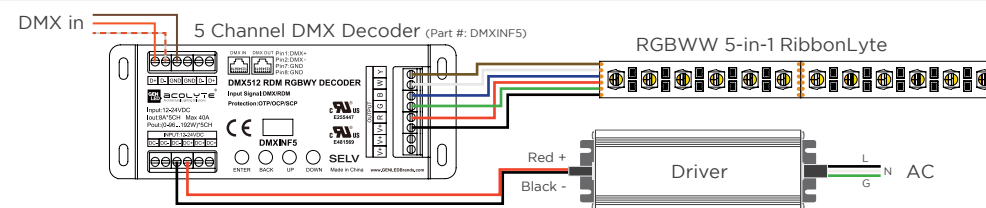
DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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



DMX WITH RGBWW 5-IN-1 RIBBONLYTE



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE + STATIC COLOR

Red Wire (+) Positive  
Black Wire (-) Negative

RGBW + RGBA

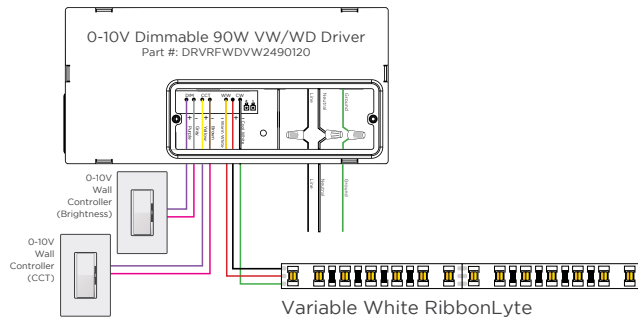
Red Wire (+) Positive  
Green Wire (-) goes to Green Channel  
Red Wire (-) goes to Red Channel  
Blue Wire (-) goes to Blue Channel  
White Wire (-) goes to White Channel

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

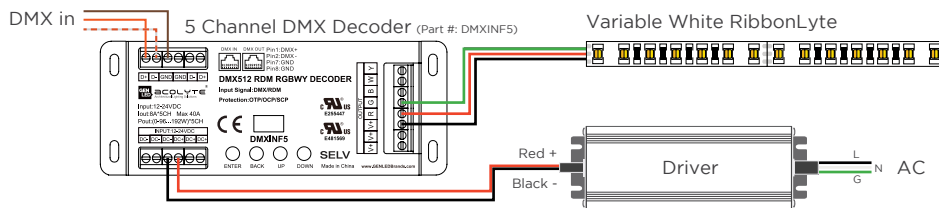


### WIRE COLORS PER RIBBONLYTE COLOR

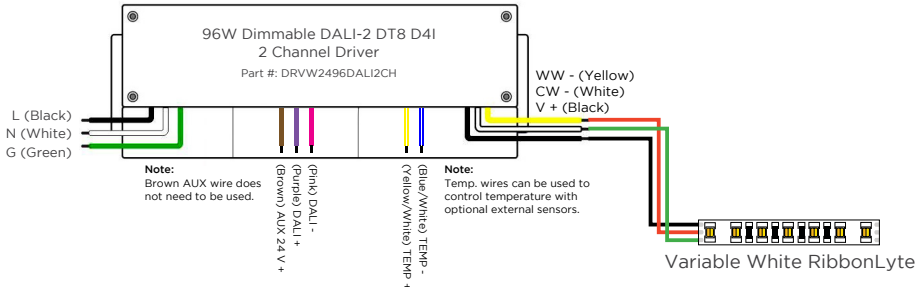
#### VARIABLE WHITE

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

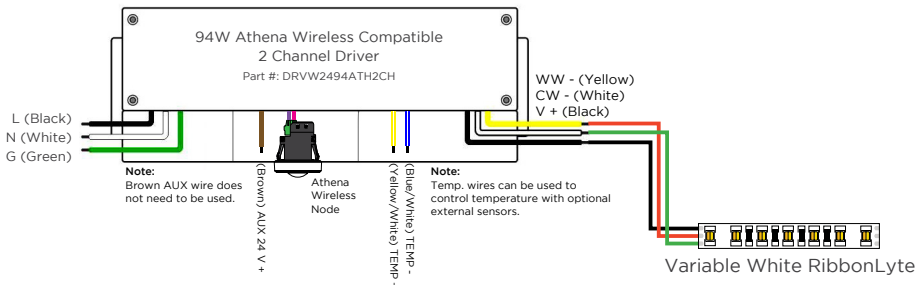
### DMX WIRING WITH VARIABLE WHITE RIBBONLYTE



### DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE



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



REV.25JUN2026

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