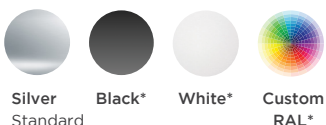


## AS7 CHANNEL FIXTURE

Our AS7 Channel Fixture is a surface mounted linear fixture designed to work with the new Micro RibbonLyte 1.0, 3.0 & 4.5. AS7's ultra slim width of 0.39 in. (10 mm) can create clean and modern linear designs for retail stores, commercial buildings and residential interiors.

- Available for field assembly or factory assembly
- Beam Angle 110°
- Wattage: 1.0 W/ft (3.3 W/m), 3.0 W/ft (9.84 W/m) or 4.5 W/ft (14.76 W/m)
- Delivered Lumen Range from 1 lm/ft (3 lm/m) to 500 lm/ft (1638 lm/m)
- Assembled in USA

## HOUSING FINISHES



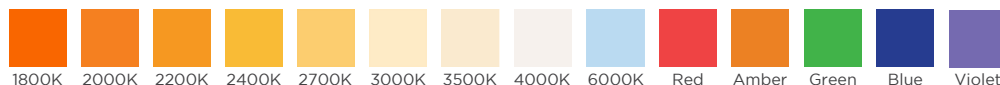
\*Additional fee applies

## AVAILABLE LENS FINISHES



**Milky Lens**  
63% Light Transmission

## AVAILABLE COLORS & COLOR TEMPERATURES



## DIMENSIONS

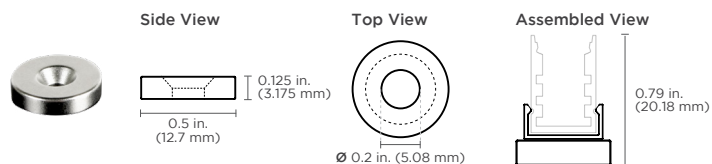
| AS7 Channel                                                                                                          | Mounting Clip (Included Accessory)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Width:</b> 0.39 in. (10 mm)<br/><b>Height:</b> 0.59 in. (15 mm)<br/><b>Internal Width:</b> 0.31 in. (8 mm)</p> | <p>Material: manganese alloy</p> <p><b>Width:</b> 0.43 in. (11 mm)<br/><b>Height:</b> 0.42 in. (10.7 mm)<br/><b>Length:</b> 0.44 in. (11 mm)</p> <p><b>Note:</b><br/>1. <b>Magnetic mounting</b> option available (see page 2)<br/>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.</p> |

## SPECIFICATIONS

|                        |                                                                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Beam Angle             | 110°                                                                                                                                                                                                                                   |
| Lens Type              | 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 — 158 °F (-40 — 70 °C)                                                                                                                                                                                                             |
| Colors                 | 1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, Violet<br>(1800K, 2000K, 2200K only available in IP20)                                                                                         |
| CRI                    | 90+ CRI (Static white only)                                                                                                                                                                                                            |
| Lamp Life              | L70 at 50,000 hours                                                                                                                                                                                                                    |
| MacAdam ellipse (SDCM) | 2-Step Binning (For Static White LEDs only)                                                                                                                                                                                            |
| Certifications         | UL Listed UL 2108 Issued: 2004/02/27 Ed: 1 Rev: 2014/02/24 Low Voltage Lighting Systems CSA C22.2#9.0 Issued: 1996/06/01 Ed: 1 (R2011) General Requirements for Luminaries; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant |

## ACCESSORIES

### Magnetic Mount (Part #: CHMAG0.5)



#### Features:

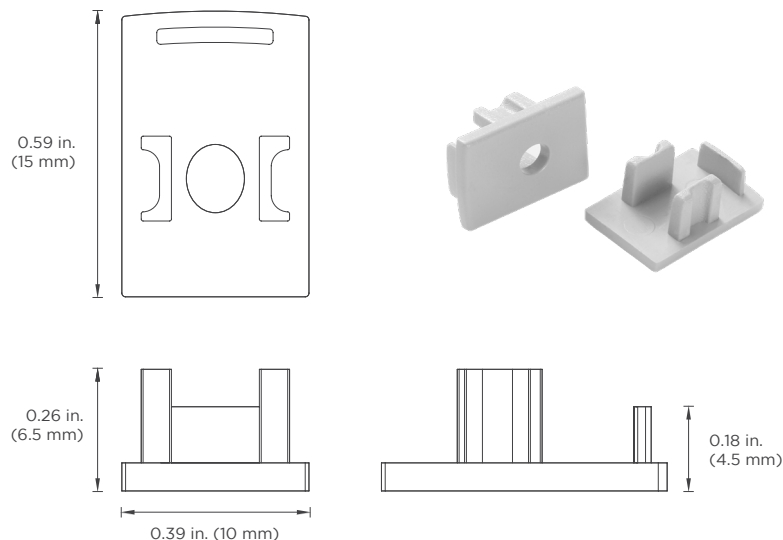
- High-energy neodymium magnets come attached to mounting clips with countersink hex nuts
- Create easy-mount magnetic channels with minimal surface gaps; no tools or drilling necessary
- Magnets rated for 8 lbs. of pull force with static load

#### Applications:

- Industrial lighting retrofits for troffers and other metal fixtures
- Metal retail shelf lighting
- Temporary light fixture installations

### End Caps

Material: ABS



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ORDERING GUIDE

**STEP 1** Complete Channel Part Number

| CHANNEL                     | LENS           | HOUSING COLOR                                                                            |
|-----------------------------|----------------|------------------------------------------------------------------------------------------|
| <b>CHAS7</b>                | <b>M</b>       |                                                                                          |
| CHAS7 - AS7 Channel Fixture | M - Milky Lens | SV - Silver (default)      WH - White<br>BK - Black<br>Consult factory for custom colors |

**STEP 2** Complete RibbonLyte Part Number

| CATEGORY        | CRI                                                           | RIBBON TYPE & IP RATING                                                                                                                          |
|-----------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RB</b>       |                                                               |                                                                                                                                                  |
| RB - RibbonLyte | 0 - Static Color, Color Changing<br>90 - 90+ CRI Static White | SWMC20 - Static White Micro IP20      SCMC20 - Static Color Micro IP20<br>SWMC65 - Static White Micro IP65      SCMC65 - Static Color Micro IP65 |

WATTAGE

1.0 - 1.0 W/ft (3.3 W/m - Static White, Static Color)  
3.0 - 3.0 W/ft (9.8 W/m - Static White, Static Color)  
4.5 - 4.5 W/ft (14.8 W/m - Static White, Static Color)

COLOR

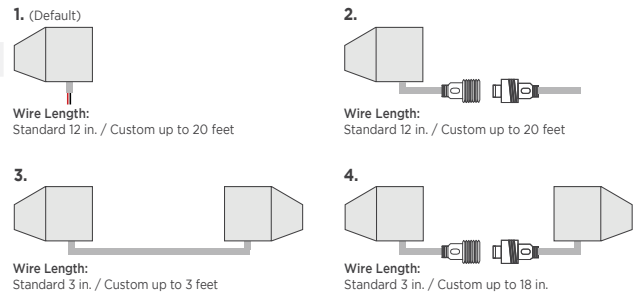
18 - 1800K      R - Red  
20 - 2000K      A - Amber  
22 - 2200K      G - Green  
24 - 2400K      B - Blue  
27 - 2700K      V - Violet  
30 - 3000K      Z - Undecided\*\*  
35 - 3500K      \*\* For quotes only. Must be chosen before final order.  
40 - 4000K  
60 - 6000K

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

CONNECTION OPTIONS (See diagrams on the right)

- 1 - Back Feed Bare Wire Connection      3 - Soldered Daisy Chain  
2 - Back Feed with IP67 Male Coupler      4 - Daisy Chain With IP67 Couplers

Custom Length (ft.)



**STEP 3** Complete Assembly Option & Length

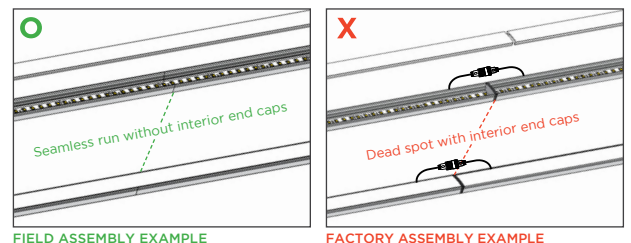
ASSEMBLY OPTION      LENGTH (Standard factory assembled length up to 6 ft 6.7 in. / 2 m)

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.

**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.



**STEP 4** Add Accessories

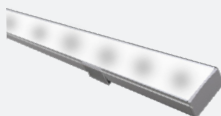
ACCESSORIES

CHMAG0.5 - Magnetic Mount

RIBBONLYTE SPECIFICATIONS & COMPATIBILITY

| Available Wattages                                                | Cuttable Length     | LED Pitch                  | Color Temperature | lm/W without Lens | Delivered Lumens with Milky Lens | Max Length    | Compatible with Channel |      |
|-------------------------------------------------------------------|---------------------|----------------------------|-------------------|-------------------|----------------------------------|---------------|-------------------------|------|
|                                                                   |                     |                            |                   |                   |                                  |               | IP20                    | IP65 |
| 1.0<br>Static White<br>Micro<br>&<br>1.0<br>Static Color<br>Micro | 1.97 in.<br>(50 mm) | 43 LEDs/ft<br>(140 LEDs/m) | 2400K             | 79                | 49.8 lm/ft (163.3 lm/m)          | 28 ft (8.5 m) | ✓                       | ✓    |
|                                                                   |                     |                            | 2700K             | 90                | 56.7 m/ft (186 lm/m)             |               |                         |      |
|                                                                   |                     |                            | 3000K             | 94                | 59.2 lm/ft (194 lm/m)            |               |                         |      |
|                                                                   |                     |                            | 3500K             | 98                | 61.7 lm/ft (202.5 lm/m)          |               |                         |      |
|                                                                   |                     |                            | 4000K             | 97                | 61.1 lm/ft (200.5 lm/m)          |               |                         |      |
|                                                                   |                     |                            | 6000K             | 93                | 58.6 lm/ft (192.2 lm/m)          |               |                         |      |
|                                                                   |                     |                            | Red               | 27                | 16.8 lm/ft (55.0 lm/m)           |               |                         |      |
|                                                                   |                     |                            | Green             | 78                | 49.2 lm/ft (161.3 lm/m)          |               |                         |      |
|                                                                   |                     |                            | Blue              | 17                | 10.6 lm/ft (34.9 lm/m)           |               |                         |      |
|                                                                   |                     |                            | Amber             | 19                | 11.8 lm/ft (38.8 lm/m)           |               |                         |      |
|                                                                   |                     |                            | Violet            | 1                 | 0.3 lm/ft (1.0 lm/m)             |               |                         |      |
|                                                                   |                     |                            |                   |                   |                                  |               |                         |      |
| 3.0<br>Static White<br>Micro<br>&<br>3.0<br>Static Color<br>Micro | 1.97 in.<br>(50 mm) | 43 LEDs/ft<br>(140 LEDs/m) | 2400K             | 79                | 149.3 lm/ft (489.7 lm/m)         | 28 ft (8.5 m) | ✓                       | ✓    |
|                                                                   |                     |                            | 2700K             | 90                | 170.1 lm/ft (557.9 lm/m)         |               |                         |      |
|                                                                   |                     |                            | 3000K             | 94                | 177.7 lm/ft (582.7 lm/m)         |               |                         |      |
|                                                                   |                     |                            | 3500K             | 98                | 185.2 lm/ft (607.5 lm/m)         |               |                         |      |
|                                                                   |                     |                            | 4000K             | 97                | 183.3 lm/ft (601.3 lm/m)         |               |                         |      |
|                                                                   |                     |                            | 6000K             | 93                | 175.8 lm/ft (576.5 lm/m)         |               |                         |      |
|                                                                   |                     |                            | Red               | 27                | 50.3 lm/ft (164.9 lm/m)          |               |                         |      |
|                                                                   |                     |                            | Green             | 78                | 147.5 lm/ft (483.9 lm/m)         |               |                         |      |
|                                                                   |                     |                            | Blue              | 17                | 31.9 lm/ft (104.6 lm/m)          |               |                         |      |
|                                                                   |                     |                            | Amber             | 19                | 35.5 lm/ft (116.4 lm/m)          |               |                         |      |
|                                                                   |                     |                            | Violet            | 1                 | 0.9 lm/ft (2.9529lm/m)           |               |                         |      |
|                                                                   |                     |                            |                   |                   |                                  |               |                         |      |
| 4.5<br>Static White<br>Micro<br>&<br>4.5<br>Static Color<br>Micro | 1.97 in.<br>(50 mm) | 43 LEDs/ft<br>(140 LEDs/m) | 2400K             | 80                | 223.5 lm/ft (733.2 lm/m)         | 28 ft (8.5 m) | ✓                       | ✓    |
|                                                                   |                     |                            | 2700K             | 88                | 247.8 lm/ft (812.7 lm/m)         |               |                         |      |
|                                                                   |                     |                            | 3000K             | 93                | 259.8 lm/ft (852.2 lm/m)         |               |                         |      |
|                                                                   |                     |                            | 3500K             | 87                | 244.7 lm/ft (802.6 lm/m)         |               |                         |      |
|                                                                   |                     |                            | 4000K             | 97                | 268.2 lm/ft (879.7 lm/m)         |               |                         |      |
|                                                                   |                     |                            | 6000K             | 94                | 263.1 lm/ft (862.9 lm/m)         |               |                         |      |
|                                                                   |                     |                            | Red               | 26                | 73.5 lm/ft ( 241.1 lm/m)         |               |                         |      |
|                                                                   |                     |                            | Green             | 83                | 243.8 lm/ft ( 799.9 lm/m)        |               |                         |      |
|                                                                   |                     |                            | Blue              | 17                | 52.8 lm/ft ( 173.2 lm/m)         |               |                         |      |
|                                                                   |                     |                            | Amber             | 17                | 51.7 lm/ft ( 169.6 lm/m)         |               |                         |      |
|                                                                   |                     |                            | Violet            | 1                 | 1.4 lm/ft ( 4.5 lm/m)            |               |                         |      |
|                                                                   |                     |                            |                   |                   |                                  |               |                         |      |

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

|                                                                                     |                      |                                                                                      |                        |
|-------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------|------------------------|
|  | No Visible Diode = N |  | With Visible Diode = Y |
| Static White & Static Color Micro RibbonLyte                                        |                      |                                                                                      |                        |
| 1.0                                                                                 | 3.0                  | 4.5                                                                                  |                        |
| IP20                                                                                | IP20                 | IP20                                                                                 |                        |
| IP65                                                                                | IP65                 | IP65                                                                                 |                        |
| N                                                                                   | N                    | N                                                                                    |                        |

AVAILABLE DRIVERS OPTIONS / WIRE GAUGE CHART

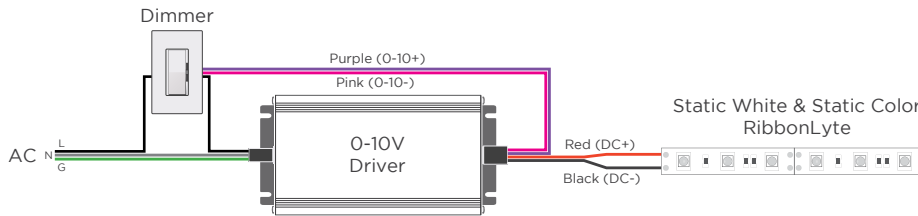
| NON-DIMMING ELECTRONIC DRIVERS                                                    |                                                                                   |                                                                                   | ELV & MLV DRIVERS                                                                   |                                                                                                                                                                                                                      | DIMMABLE DALI-2 DRIVERS                                                            |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|
|  |  |  |   |                                                                                                                                   |                                                                                    |  |
| <b>30W, 60W, 96W<br/>Non-Dimming Electronic<br/>Class 2 Drivers</b>               | <b>240W, 320W<br/>Non-Dimming<br/>Electronic Drivers</b>                          | <b>60W, 96W<br/>Non-Dimming<br/>Compact Drivers</b>                               | <b>150W, 300W ELV/MLV<br/>Line Voltage Dimmable Drivers</b>                         | <b>75W, 150W, 240W DALI-2<br/>Dimmable Drivers</b>                                                                                                                                                                   |                                                                                    |  |
| Part No.:<br>• DRVW2430 (30 W)<br>• DRVW2460 (60 W)<br>• DRVW2496 (96 W)          | Part No.:<br>• DRVW24240 (240 W)<br>• DRVW24320 (320 W)                           | Part No.:<br>• DRV2460C (60 W)<br>• DRV2496C (96 W)                               | Part No.:<br>• DRVW24150ELVMLV (150 W)<br>• DRVW24300ELVMLV (300 W)                 | 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) |                                                                                    |  |
| 24 VDC<br>120-277 VAC<br>IP65, dry/damp locations<br>UL Listed                    | 24 VDC<br>90-305 VAC<br>IP65, dry/damp locations<br>UL Recognized                 | 24 VDC<br>120-277 VAC<br>IP20, dry locations<br>UL Class P                        | 24 VDC<br>100-277 VAC<br>IP67, damp/wet locations<br>UL, CE, and CSA Listed         | 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                                                              |                                                                                    |  |
| 0-10V/ELV/MLV 3-IN-1                                                              |                                                                                   |                                                                                   | 0-10V                                                                               |                                                                                                                                                                                                                      | 0-10V VW/WD                                                                        |  |
|  |  |                                                                                   |    |                                                                                                                                                                                                                      |  |  |
| <b>0-10V/ELV/MLV 3-in-1<br/>Dimmable Drivers</b>                                  | <b>0-10V Dimmable<br/>Waterproof Drivers</b>                                      |                                                                                   | <b>0-10V Dimmable<br/>90W VW/WD Driver</b>                                          |                                                                                                                                                                                                                      | <b>94W Athena Wireless<br/>Compatible Drivers</b>                                  |  |
| Part No.:<br>• DRVW2460TRI010 (60 W)<br>• DRVW2496TRI010 (96 W)                   | Part No.:<br>• DRVW249610P (96 W)<br>• DRVW2428810P (288 W)                       |                                                                                   | Part No.:<br>• DRVRFWDVW2490120                                                     |                                                                                                                                                                                                                      | Part No.:<br>• DRVW2494ATH1CH (1 channel)<br>• DRVW2494ATH2CH (2 channel)          |  |
| 24 VDC<br>120-277 VAC<br>IP65, dry/damp/wet locations<br>UL Listed                | 24 VDC<br>100-277 VAC<br>UL wet locations<br>UL Listed                            |                                                                                   | 24 VDC<br>100-277 VAC<br>IP23, dry/damp locations<br>UL Listed                      |                                                                                                                                                                                                                      | 24 VDC<br>100-277 VAC<br>Dry locations<br>UL Listed                                |  |
|                                                                                   |                                                                                   |                                                                                   | ATHENA WIRELESS COMPATIBLE                                                          |                                                                                                                                                                                                                      | DIMMABLE DALI-2 DRIVERS                                                            |  |
|                                                                                   |                                                                                   |                                                                                   |  |                                                                                                                                                                                                                      |                                                                                    |  |
|                                                                                   |                                                                                   |                                                                                   | <b>96W DIMMABLE DALI-2 DT6 D4I<br/>&amp; DALI-2 DT8 D4I DRIVERS</b>                 |                                                                                                                                                                                                                      |                                                                                    |  |
|                                                                                   |                                                                                   |                                                                                   | Part No.:<br>• DRVW2496DALI1CH (1 channel)<br>• DRVW2496DALI2CH (2 channel)         |                                                                                                                                                                                                                      | Part No.:<br>• DRVW2496DALI1CH (1 channel)<br>• DRVW2496DALI2CH (2 channel)        |  |
|                                                                                   |                                                                                   |                                                                                   | 24-26 VDC<br>120-277 VAC<br>IP67, wet locations<br>UL Listed                        |                                                                                                                                                                                                                      | 24-26 VDC<br>120-277 VAC<br>IP67, wet locations<br>UL Listed                       |  |

DRIVER AND RIBBONLYTE AT FULL LOAD

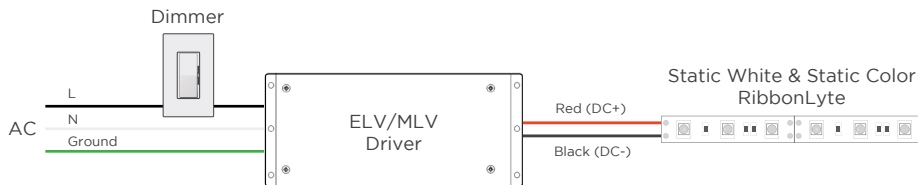
| Wattages                      | 30   |        | 60   |        | 96   |        | 150  |        | 200  |        | 240  |        | 300  |        | 320  |        |
|-------------------------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|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

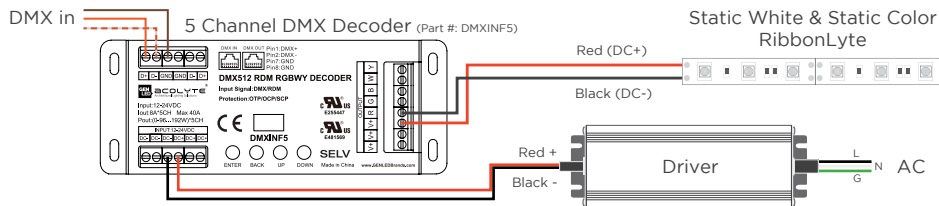
### 0-10 V



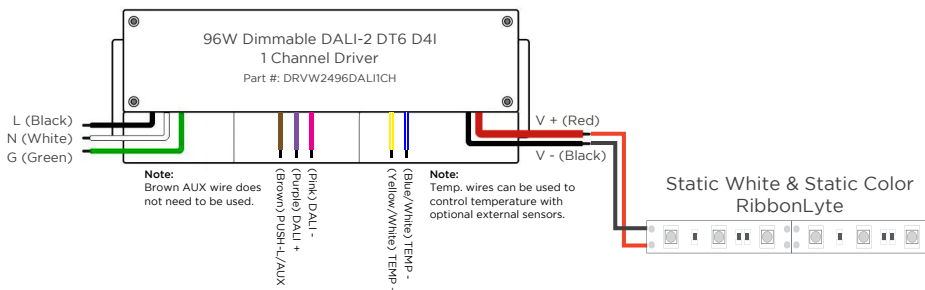
### MLV / ELV



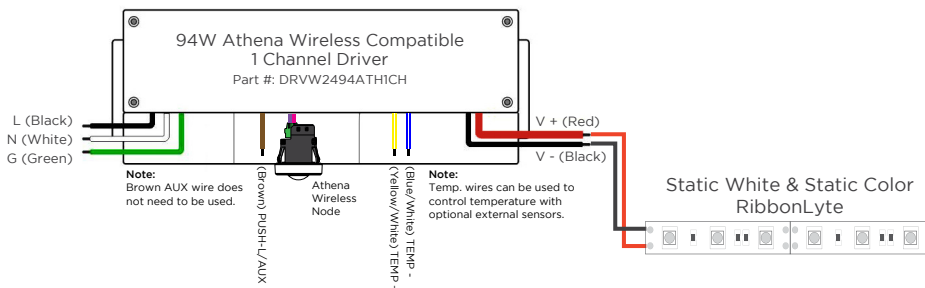
### DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



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



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



### WIRE COLORS PER RIBBONLYTE COLOR

#### STATIC WHITE + STATIC COLOR

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

REV.02OCT2025

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