GEN LED acolyte® Architectural Lighting Solutions

Date | Project

Notes

## SIMPLY CLEAN™ RECESSED FIXTURE SC10

Simply Clean SC10 channel is a recessed aluminum fixture designed with one flange for mud-in installation in clean, straight lines. Design custom mud-in fixtures with SC10 channel and our RibbonLyte products.

- Single flange mud-in fixture
- Sold by the foot. Factory or field cuttable to any length.
- Adds an element of style and design to existing spaces
- Beam angle: 99x105°
- Milky lens
- For interior applications only



## HOUSING FINISHES



**Silver** Standard | **Black** | **Custom RAL***

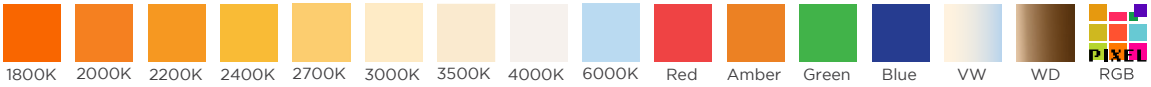
*Additional fee applies

## AVAILABLE LENS FINISHES



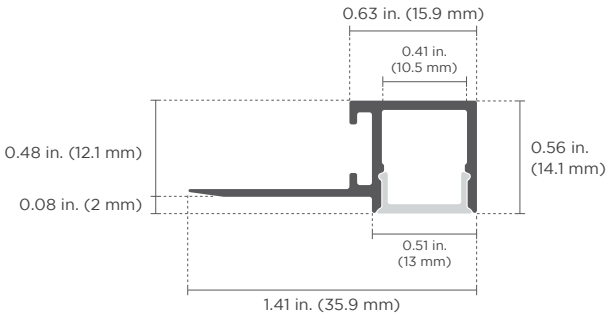
**Milky Lens** (PC)
78% Light Transmission
**Note:** Roll lens (up to 20 m) available upon request

## AVAILABLE COLORS & COLOR TEMPERATURES

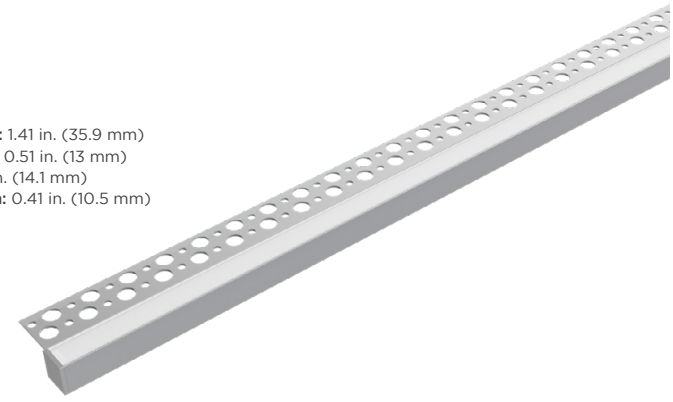



1800K | 2000K | 2200K | 2400K | 2700K | 3000K | 3500K | 4000K | 6000K | Red | Amber | Green | Blue | VW | WD | RGB

## DIMENSIONS




**Overall Width:** 1.41 in. (35.9 mm)
**Visible Width:** 0.51 in. (13 mm)
**Height:** 0.56 in. (14.1 mm)
**Internal Width:** 0.41 in. (10.5 mm)



**Note:** This channel does not require mounting clips. Please see our installation guide for instructions.

Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

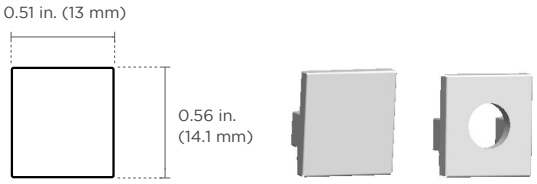
## SPECIFICATIONS

| | |
|---|---|
| **Beam Angle** | 99x105° |
| **Lens Type** | Milky Lens (PC) |
| **Length** | Channel is sold by the foot and cut to your exact desired length |
| **Operating Voltage** | 24 V |
| **Dimming** | MLV / 0-10 Volt / ELV / DALI / DMX / CASAMBI |
| **Operating Temperature** | -40 — 158 °F (-40 — 70 °C) |
| **Colors** | 1800K, 2000K, 2200K, 2400K, 2700K, 3000K, 3500K, 4000K, 6000K, Red, Amber, Green, Blue, VW, Warm Dim, Pixel RGB (1800K, 2000K, 2200K, Pixel RGB only available in IP20) |
| **CRI** | 90+ CRI (for Static White LEDs only) |
| **Lamp Life** | L70 at 50,000 hours |
| **MacAdam 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 Luminaries; with Gen. Inst. 1: 1997, Gen Inst. 2: 1998. ROHS compliant |
| **Recessed Cutout Width** | 0.63 in. (15.9 mm) |
| **Depth In Wall** | 0.49 in. (12.5 mm) |
| **Length** | Sold by the foot. Factory cuttable to any length. Max individual length of each piece is 78.7 in. (2 m), but the fixture can be installed end-to-end to create long continuous recessed fixtures. |
| **Visible Width** | 0.51 in. (13 mm) |

## ACCESSORIES

**End Cap without Hole** (Part #: CHSC10ECNH)
**End Cap with Hole** (Part #: CHSC10ECH)

Material: ABS




**180° Connector**
(Part #: CHSC10180)



**90° Vertical Connector**
(Part #: CHSC1090V)



## STATIC WHITE SERIES 2 RIBBONLYTE SPECIFICATIONS, COMPATIBILITY & DELIVERED LUMEN OUTPUT

| RibbonLyte Type | Wattage | CCT | Incremental Length | LED Pitch | Max. Length (IP20) | A Delivered Lumen at 3000K with Milky Lens (PC) | | Compatibility with SC10 Channel | | | | Diode Visibility |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | lm/ft | lm/m | IP20 | IP65 | IP68 | IP69 | Visible = Y Not Visible = N |
| Static White Series 2 | 3.0 W/ft | 3000K | 1.97 in. (50 mm) | 48 LEDs/ft (160 LEDs/m) | 36 ft (11 m) | 185 | 608 | ✓ | ✓ | | | N |

**Lumen Multiplier by CCT** (Static White Series 2 RibbonLyte)

| CCT (3.0 W/ft) | 1800K | 2000K | 2200K | 2400K | 2700K | 3000K | 3500K | 4000K | 6000K |
|---|---|---|---|---|---|---|---|---|---|
| B Multiplier | 0.67 | 0.79 | 0.85 | 0.91 | 0.97 | 1.00 | 1.03 | 1.00 | 1.08 |

**Lumen Multiplier by Wattage** (Static White Series 2 RibbonLyte)

| Wattage | 0.75 w/ft | 1.5 w/ft | 2.2 w/ft | 3.0 w/ft | 4.4 w/ft | 5.0 w/ft | 6.0 w/ft |
|---|---|---|---|---|---|---|---|
| C Multiplier | 0.26 | 0.51 | 0.73 | 1.00 | 1.45 | 1.60 | 1.96 |

A x B x C = Lumen Output

Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

## STEP 1 Complete Channel Part Number

| CHANNEL | LENS | HOUSING COLOR |
|---|---|---|
| CHSC10 | M | |
| **CHSC10** - Simply Clean™ SC10 Mud-in Fixture | **M** - Milky Lens | **SV** - Silver (default)<br>**BK** - Black<br>Consult factory for custom colors (additional fee applies) |

## STEP 2 Complete RibbonLyte Part Number

| CATEGORY | CRI | RIBBON TYPE & IP RATING | | |
|---|---|---|---|---|
| RB | | | | |
| **RB** - RibbonLyte | **0** - Static Color, Color Changing | **SWS220** - Static White S2 IP20 | **VWS220** - VW Series 2 IP20 | **LINEA20** - Linea RibbonLyte IP20 |
| | **90** - 90+ CRI Static White | **SWS265** - Static White S2 IP65 | **VWS265** - VW Series 2 IP65 | **XACTA20** - Xacta RibbonLyte IP20 |
| | | **SCS220** - Static Colors S2 IP20 | **WD20** - Warm Dim IP20 | **RGBADD** - Pixel RGB IP20 |
| | | **SWS265** - Static White S2 IP65 | **WD65** - Warm Dim IP65 | |

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

**CONNECTION OPTIONS** (See diagrams on the right)

**Custom Length** (ft.)

**1** - End Feed Bare Wire Connection
**2** - Back Feed Bare Wire Connection
**3** - Side Feed Bare Wire Connection
**4** - End Feed with IP67 Male Coupler
**5** - Soldered Daisy Chain
**6** - Daisy Chain With IP67 Couplers

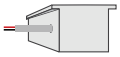
**1.** (Default)



**2.**



**3.**



**4.**



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

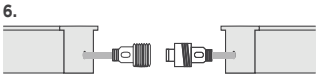
**Wire Length for 4:**
Standard 12 in. / Custom up to 20 feet

**5.**



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

**6.**



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

## STEP 3 Add Accessories

ACCESSORIES

**CHSC10180** - 180° Connector
**CHSC1090V** - 90° Vertical Connector

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

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



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

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

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

### ELV



**60W Dimmable Driver**

Part No.:
- DRVW2460ELV

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

### 0-10V VW/WD



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

Part No.:
- DRVW2496VWWD

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

### COMPACT



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

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

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

### ATHENA WIRELESS COMPATIBLE



**94W Athena Wireless Compatible Drivers**

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

24 VDC
100-277 VAC
Dry locations
UL Listed

### CASAMBI COMPATIBLE DRIVERS



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

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

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

### DIMMABLE DALI-2 DRIVERS



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

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

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

### DIMMABLE DALI-2 DRIVERS



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

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

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

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



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



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



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



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



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



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



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



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



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



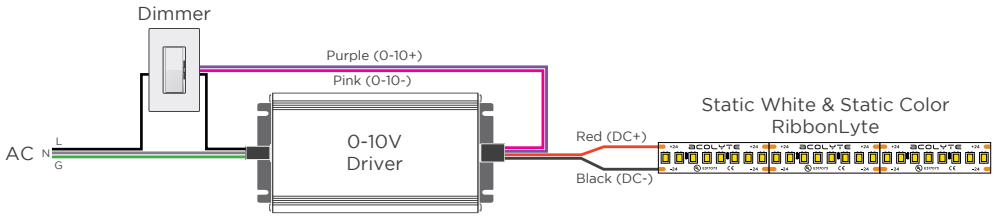
**DMX OPTO SPLITTER**
Part No.: DMXOS8

### DRIVER AND RIBBONLYTE AT FULL LOAD

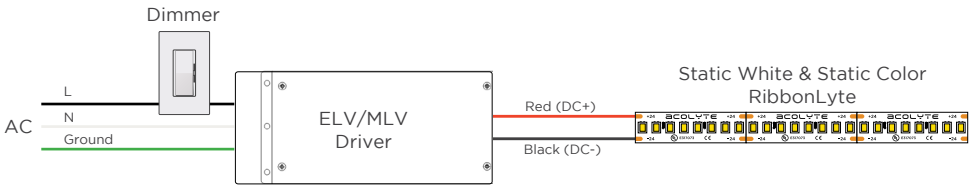
| Wattages | 30 | | 60 | | 96 | | 150 | | 200 | | 240 | | 300 | | 320 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wire Gauge | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters | Feet | Meters |
| 24 AWG / 0.25 mm² | 14 | 4.27 | 9 | 2.74 | 5.5 | 1.68 | 3.75 | 1.14 | 2.75 | 0.84 | 2.25 | 0.69 | 1.75 | 0.53 | 1.75 | 0.53 |
| 22 AWG / 0.34 mm² | 22 | 6.71 | 14 | 4.27 | 9 | 2.74 | 5.75 | 1.75 | 4.5 | 1.37 | 3.5 | 1.07 | 2.75 | 0.84 | 2.75 | 0.84 |
| 20 AWG / 0.5 mm² | 35 | 10.67 | 23 | 7.01 | 14 | 4.27 | 9 | 2.74 | 7 | 2.13 | 5.75 | 1.75 | 4.5 | 1.37 | 4.25 | 1.30 |
| 18 AWG / 0.75 mm² | 56 | 17.07 | 37 | 11.28 | 23 | 7.01 | 15 | 4.57 | 11 | 3.35 | 9 | 2.74 | 7.5 | 2.29 | 7 | 2.13 |
| 16 AWG / 1.5 mm² | 90 | 27.44 | 60 | 18.29 | 37 | 11.28 | 24 | 7.32 | 18 | 5.49 | 15 | 4.57 | 12 | 3.66 | 11 | 3.35 |
| 14 AWG / 2.5 mm² | 142 | 43.29 | 95 | 28.96 | 59 | 17.99 | 38 | 11.59 | 28 | 8.54 | 23 | 7.01 | 19 | 5.79 | 17 | 5.18 |
| 12 AWG / 4 mm² | 226 | 68.90 | 151 | 46.04 | 94 | 28.66 | 60 | 18.29 | 45 | 13.72 | 37 | 11.28 | 30 | 9.15 | 28 | 8.54 |
| 10 AWG / 6 mm² | 360 | 109.76 | 240 | 73.17 | 150 | 45.73 | 96 | 29.27 | 72 | 21.95 | 60 | 18.29 | 48 | 14.63 | 45 | 13.72 |
| 8 AWG / 10 mm² | 574 | 175.00 | 381 | 116.16 | 239 | 72.87 | 153 | 46.65 | 115 | 35.06 | 95 | 28.96 | 76 | 23.17 | 71 | 21.65 |

## WIRING DIAGRAMS - STATIC WHITE / STATIC COLOR

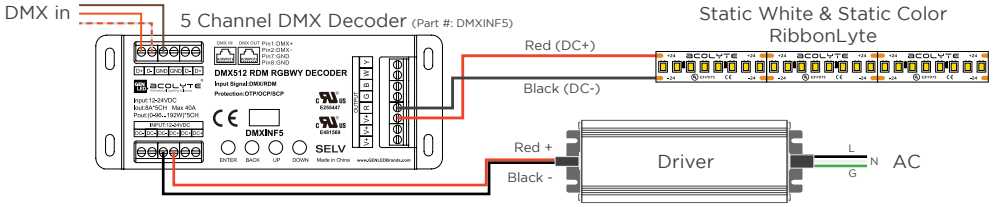
### 0-10 V



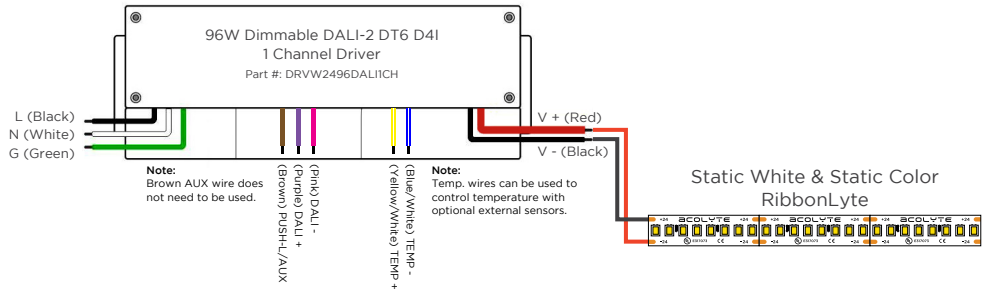

### MLV / ELV



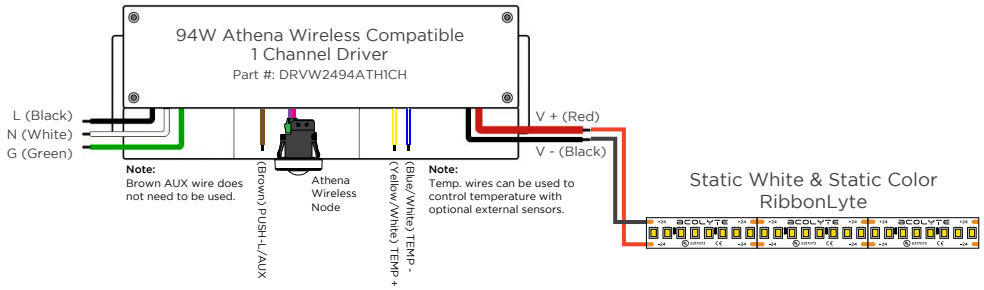

### DMX WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE



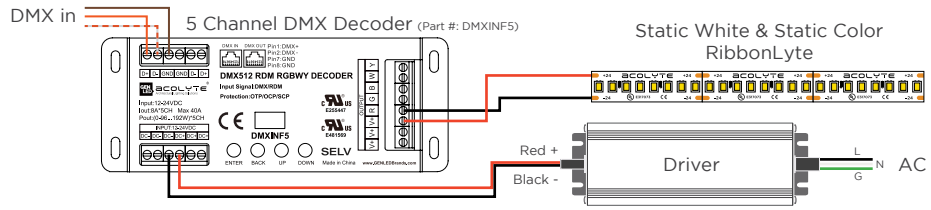

### DALI-2 WIRING WITH STATIC WHITE & STATIC COLOR RIBBONLYTE




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




### DMX WITH STATIC WHITE & STATIC COLOR RIBBONLYTE

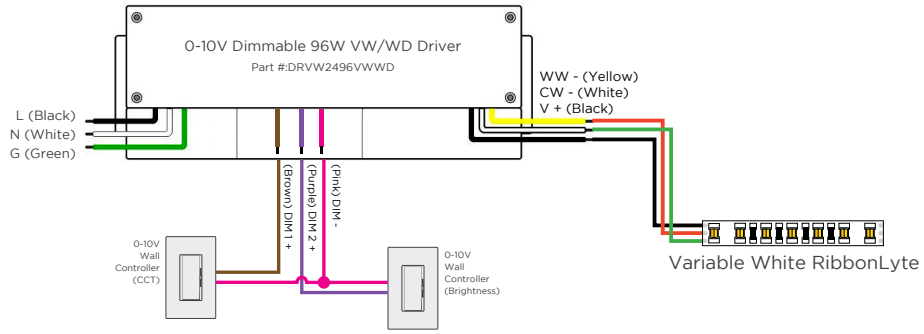



### WIRE COLORS

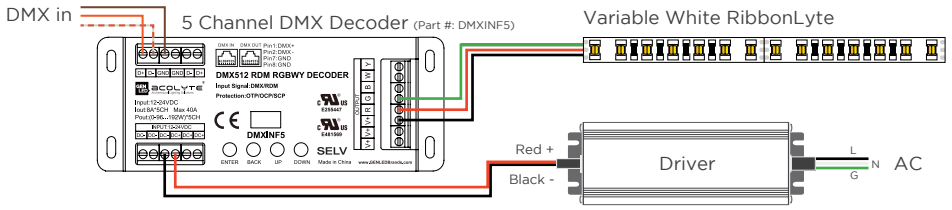
**STATIC WHITE + STATIC COLOR**
Red Wire (+) Positive
Black Wire (-) Negative

# WIRING DIAGRAMS - VARIABLE WHITE

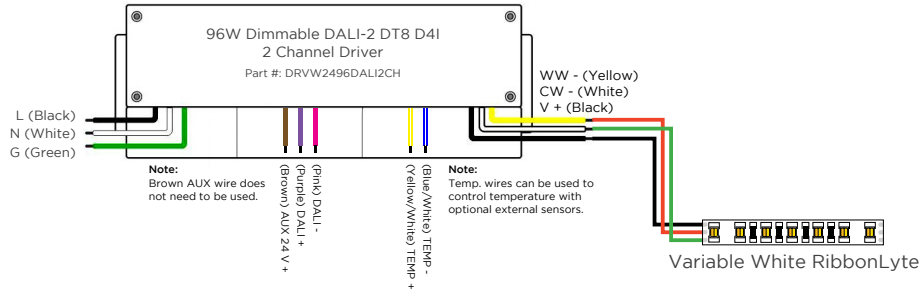
## 2-CHANNEL VARIABLE WHITE DIMMING



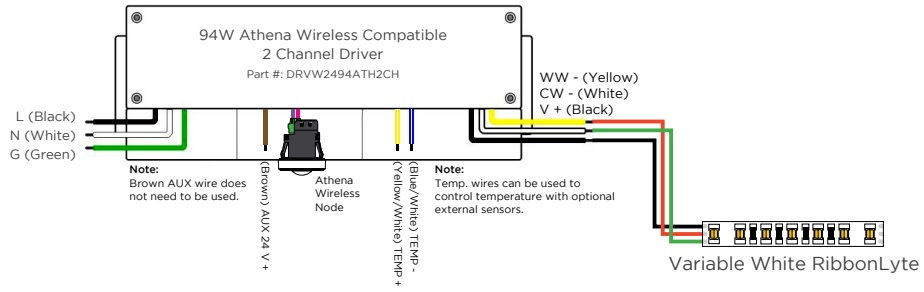

## DMX WIRING WITH VARIABLE WHITE RIBBONLYTE




## DALI-2 WIRING WITH VARIABLE WHITE RIBBONLYTE




## VARIABLE WHITE RIBBONLYTE WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER




## WIRE COLORS

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

REV.05NOV2026


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

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

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

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