

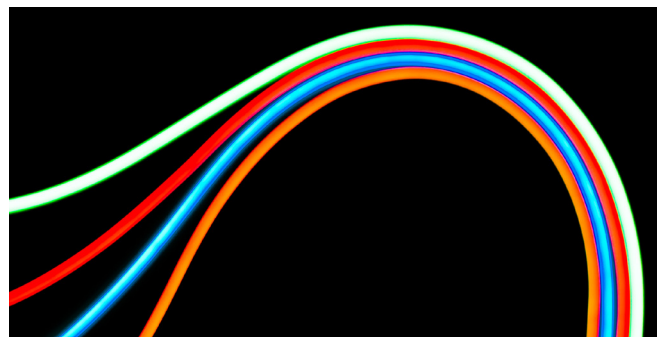
## NEON SILHOUETTE

It's like neon, but better! This bendable, waterproof silicone fixture uses a smooth, flat lens that gives modern LEDs the classic glow of pinpoint neon lines. Available in Static White, Variable White, Warm Dim and color changing RGB, the Neon Silhouette is designed to brave the elements in façade lighting and lettering.

- Side-bending flexible silicone creates vivid lines of light
- RGB, Static White, Variable White, Warm Dim at 3.0 W/ft (9.8 W/m)
- 1.97 in. (50 mm) incremental length
- Molded end cap for smooth finish
- Waterproof and UV resistant
- Salt water resistant
- Sleek flat design helps create elegant lighting solutions

### Applications:

|               |               |                  |
|---------------|---------------|------------------|
| Commercial    | Hospitality   | Residential      |
| Entertainment | Museums       | Retail / Signage |
| Healthcare    | Public Spaces |                  |



## ORDERING GUIDE

| Category              | Wattage & Color                                                                                                                                                                                                     |                                                                                                                                                                                   | Power Feed Direction                                                                                        |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| NLS                   |                                                                                                                                                                                                                     |                                                                                                                                                                                   |                                                                                                             |
| NLS - Neon Silhouette | <b>3.024</b> - 3.0 W/ft (9.8 W/m) 2400K<br><b>3.027</b> - 3.0 W/ft (9.8 W/m) 2700K<br><b>3.030</b> - 3.0 W/ft (9.8 W/m) 3000K<br><b>3.035</b> - 3.0 W/ft (9.8 W/m) 3500K<br><b>3.040</b> - 3.0 W/ft (9.8 W/m) 4000K | <b>3.0RGB</b> - 3.0 W/ft (9.8 W/m) Red, Green, Blue<br><b>3.0VW</b> - 3.0 W/ft (9.8 W/m) Variable White (2400K-6000K)<br><b>3.0WD</b> - 3.0 W/ft (9.8 W/m) Warm Dim (1800K-3000K) | <b>E</b> - End Feed<br><b>B</b> - Bottom Feed<br><b>LS</b> - Left Side Feed*<br><b>RS</b> - Right Side Feed |

### Mounting

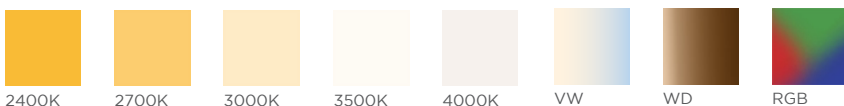
#### 1. Aluminum Mounting Clip

Recommended for curved applications with 6 in. (150 mm) on center spacing  
Part #: NLSMOUNTCLIPV2

#### 2. Neon Silhouette Mounting Channel

Recommended for all straight run applications  
Sold by the foot, up to 6 ft 6 in. / 2 m  
Part #: NLSCHV2

## AVAILABLE COLORS AND COLOR TEMPERATURES

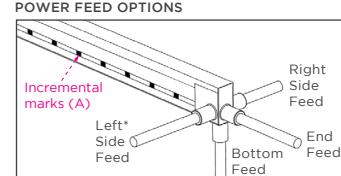


## USAGE GUIDELINES

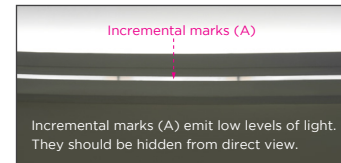
- Neon Silhouette cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a void warranty.
- When installing this product, consider the surface temperature of the material where it will be mounted. Many building surfaces which are exposed to direct sunlight exceed the 140 °F (60 °C) maximum for which this product is rated. High-risk locations like this should be avoided.
- This product can be used in wet, outdoor locations around swimming pools and spa tubs, but is not intended to be submerged in pools and fountains and does not carry UL 676 certification for submersion.
- Compatible with a wide variety of controls.
- For use with Acolyte drivers, Triac dimming modules, 0-10 V modules and DMX interfaces when applicable.
- Use with non-Acolyte Triac, MLV or ELV drivers is not supported or warrantied.
- Due to the cuttable points inside, this product's cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, this product is factory cut at the shorter cuttable point.

Acolyte does not warrant or represent that this information is free from errors or omission. We reserve the right to make changes to our product lineup, specifications, design and finishes at any time without notice. Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

### POWER FEED OPTIONS



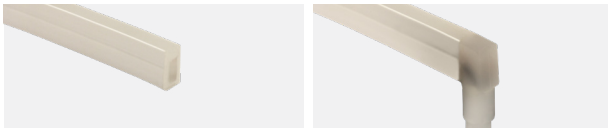
### INCREMENTAL MARKS



POWER FEED OPTIONS / SPECIFICATIONS / USAGE GUIDELINES

| SPECIFICATIONS              | NEON SILHOUETTE                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Voltage           | 24 VDC                                                                                                                                                                           |
| Power Consumption           | 3.0 W/ft (9.8 W/m)                                                                                                                                                               |
| Protection Rating           | IP67                                                                                                                                                                             |
| Beam Angle                  | 110°                                                                                                                                                                             |
| Dimming                     | ELV / MLV / 0-10 Volt / DMX                                                                                                                                                      |
| Operating Temperature       | -4 – 140 °F (-20 – 60 °C)                                                                                                                                                        |
| Color Temperatures / Colors | 2400K, 2700K, 3000K, 3500K, 4000K, Variable White (2400K-6000K), Warm Dim (1800K-3000K), RGB                                                                                     |
| Lifetime (L70 reported)     | 50,000 hours                                                                                                                                                                     |
| Max Length                  | Static White: 42 ft 7.81 in. (13 m)<br>Variable White, Warm Dim, RGB: 16 ft 4.85 in. (5 m)                                                                                       |
| Incremental Length          | 1.97 in. (50 mm) <b>NOT FIELD CUTTABLE</b>                                                                                                                                       |
| Power Cable Length          | Standard: 12 in. (304.8 mm) / Custom: up to 20 ft (6 m)                                                                                                                          |
| UV Resistant                | UV tested in accordance with ISO 4892-3 with no visible change on the appearance of the sample                                                                                   |
| Minimum Bend Radius         | 2.36 in (60 mm)                                                                                                                                                                  |
| CRI (white)                 | 90+ for all Color Temperatures                                                                                                                                                   |
| Lumens                      | <b>Static White</b><br>4000K: 134 lm/ft (439.5 lm/m), 38 lm/W                                                                                                                    |
|                             | <b>Variable White</b><br>109 lm/ft (357.5 lm/m), 51 lm/W                                                                                                                         |
|                             | <b>Warm Dim</b><br>84 lm/ft (276 lm/m), 25 lm/W                                                                                                                                  |
|                             | <b>RGB</b><br>Red: 8 lm/ft (26.2 lm/m), 11 lm/W<br>Green: 30 lm/ft (98.4 lm/m), 29 lm/W<br>Blue: 6 lm/ft (19.7 lm/m), 5 lm/W<br>All LEDs at 100%: 44 lm/ft (144.3 lm/m), 15 lm/W |
|                             |                                                                                                                                                                                  |

MOLDED END CAPS (See page 3 for details)



Molded End Cap

Molded Power Feed End Cap

**Note:** Fixtures less than 8 in. (203 mm) long will come with silicone end caps (A).



| 2-pin Male Connector             | 2-pin Female Connector           |
|----------------------------------|----------------------------------|
| <p>Side View</p> <p>End View</p> | <p>End View</p> <p>Side View</p> |
| 3-pin Male Connector             | 3-pin Female Connector           |
| <p>Side View</p> <p>End View</p> | <p>End View</p> <p>Side View</p> |
| 4-pin Male Connector             | 4-pin Female Connector           |
| <p>Side View</p> <p>End View</p> | <p>End View</p> <p>Side View</p> |

## DIMENSIONS & DIAGRAMS

| END FEED                                                                                                                                 |                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Side View</b></p> <p><b>Max Lengths:</b><br/>Static White: 42 ft 7.81 in. (13 m)<br/>Variable White, RGB: 16 ft 4.85 in. (5 m)</p> | <p><b>End View</b></p> <p><b>With Mounting Clip</b></p> <p><b>Width:</b> 0.34 in. (8.6 mm)<br/><b>Height:</b> 0.47 in. (12 mm)<br/><b>Cable Diameter:</b> 0.24 in. (6 mm)</p> <p><b>Width:</b> 0.34 in. (8.6 mm)<br/><b>Height:</b> 0.61 in. (15.6 mm)</p> |

| BOTTOM FEED                                                                                                                              |                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Side View</b></p> <p><b>Max Lengths:</b><br/>Static White: 42 ft 7.81 in. (13 m)<br/>Variable White, RGB: 16 ft 4.85 in. (5 m)</p> | <p><b>End View</b></p> <p><b>With Mounting Clip</b></p> <p><b>Bottom Width:</b> 0.31 in. (8 mm)<br/><b>Height:</b> 0.86 in. (21.8 mm)<br/><b>Cable Diameter:</b> 0.24 in. (6 mm)</p> <p><b>Width:</b> 0.31 in. (8 mm)<br/><b>Height:</b> 0.86 in. (21.8 mm)</p> |

| SIDE FEED                                                                                                                                |                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Side View</b></p> <p><b>Max Lengths:</b><br/>Static White: 42 ft 7.81 in. (13 m)<br/>Variable White, RGB: 16 ft 4.85 in. (5 m)</p> | <p><b>End View</b></p> <p><b>With Mounting Clip</b></p> <p><b>Bottom Width:</b> 0.31 in. (8 mm)<br/><b>Height:</b> 0.86 in. (21.8 mm)<br/><b>Cable Diameter:</b> 0.24 in. (6 mm)</p> <p><b>Width:</b> 0.31 in. (8 mm)<br/><b>Height:</b> 0.86 in. (21.8 mm)</p> |

| MOUNTING CLIP - Recommended for curved applications with 6 in. (150 mm) on center spacing.       |                                                                                                     |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <p><b>Top View</b></p> <p><b>Width:</b> 0.31 in. (7.8 mm)<br/><b>Depth:</b> 1.38 in. (35 mm)</p> | <p><b>End View</b></p> <p><b>Width:</b> 0.31 in. (7.8 mm)<br/><b>Height:</b> 0.61 in. (15.5 mm)</p> |

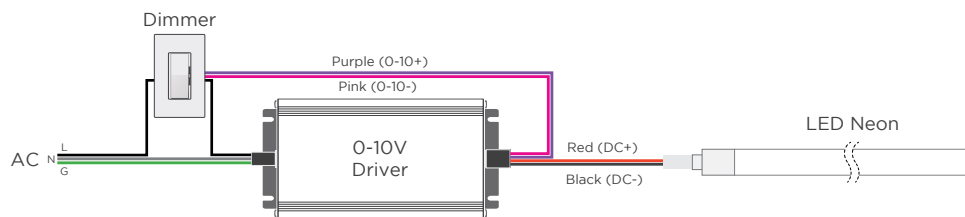
### MOUNTING CHANNEL (Part #: NLSCHV2)

Recommended for all straight run applications. Sold by the foot, up to 6 ft 6 in. / 2 m (same width & height as mounting clip)

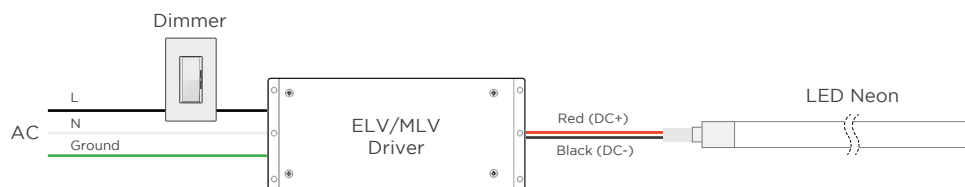
| HYDRO SEAL                                                                                                                                                     |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>The Hydro Seal clinches tightly around the conductors to prevent any water flow from the end of the wire to the circuit board through capillary effect.</p> |  |

## WIRING DIAGRAMS - STATIC WHITE / RGB

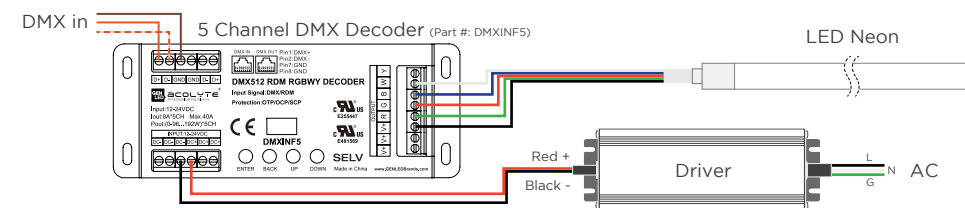
### 0-10V



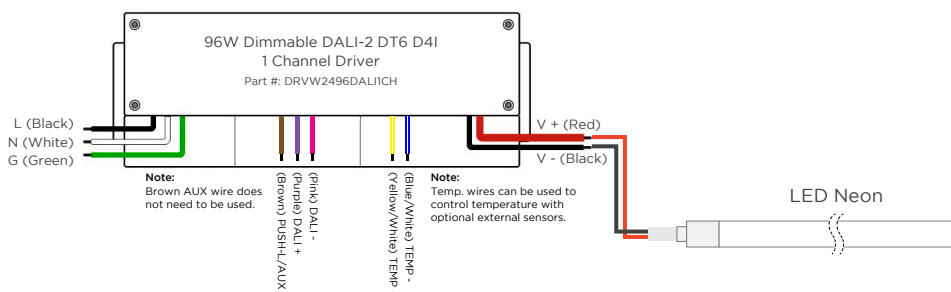
### MLV / ELV



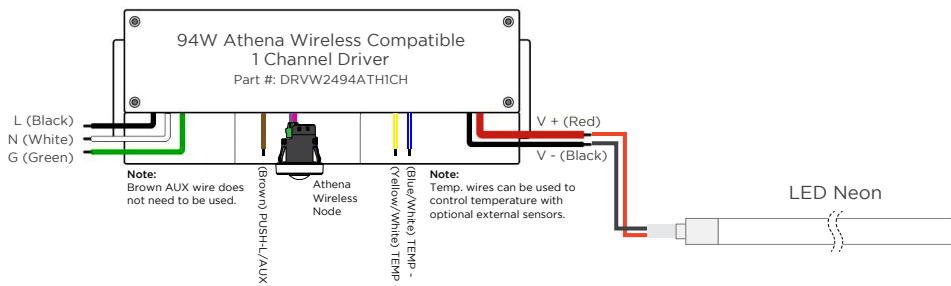
### DMX



### DALI-2 WIRING WITH STATIC WHITE NEON



### STATIC WHITE NEON WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



### WIRE COLORS

#### STATIC WHITE

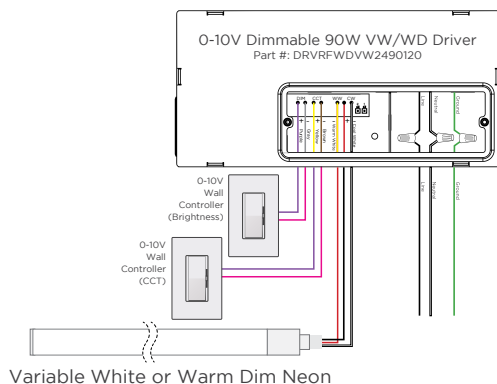
Red Wire (+) Positive  
Black Wire (-) Negative

#### RGB

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

## WIRING DIAGRAMS - VARIABLE WHITE / WARM DIM

### 2-CHANNEL VARIABLE WHITE & WARM DIM DIMMING



### WIRE COLORS

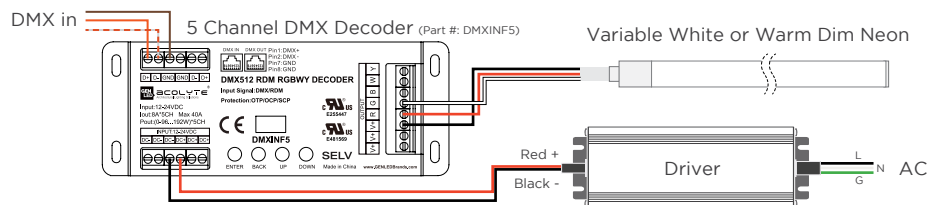
#### VARIABLE WHITE

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

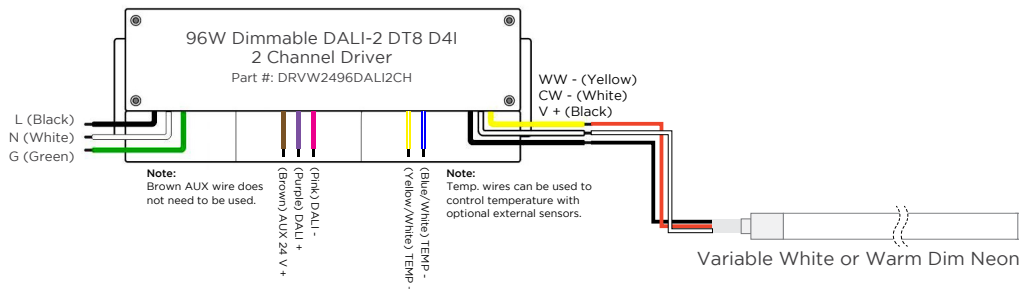
#### WARM DIM

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

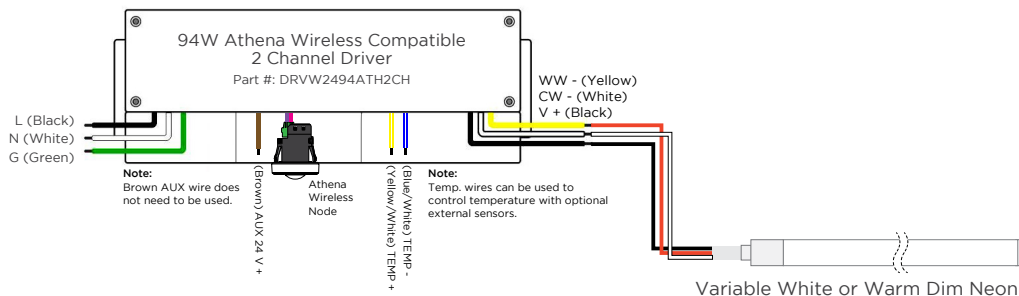
### DMX WIRING DIAGRAM - COMPATIBLE WITH VARIABLE WHITE & WARM DIM NEON



### DALI-2 WIRING WITH VARIABLE WHITE & WARM DIM NEON



### ATHENA WIRELESS COMPATIBLE DRIVER WIRING WITH VARIABLE WHITE & WARM DIM NEON



REV.16OCT2025

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