

## 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  
Entertainment  
Healthcare

Hospitality  
Museums  
Public Spaces

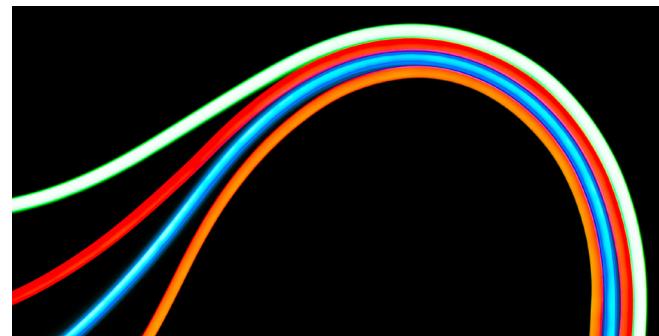
Residential  
Retail / Signage



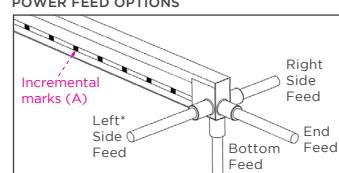
RoHS



IP67



### ORDERING GUIDE

Category	Wattage & Color	Power Feed Direction	
<b>NLS</b>			
NLS - Neon Silhouette	3.022 - 3.0 W/ft (9.8 W/m) 2200K      3.040 - 3.0 W/ft (9.8 W/m) 4000K	E - End Feed	
	3.024 - 3.0 W/ft (9.8 W/m) 2400K      3.0RGB - 3.0 W/ft (9.8 W/m) Red, Green, Blue	B - Bottom Feed	
	3.027 - 3.0 W/ft (9.8 W/m) 2700K      3.0VW - 3.0 W/ft (9.8 W/m) Variable White (2400K-6000K)	LS - Left Side Feed*	
	3.030 - 3.0 W/ft (9.8 W/m) 3000K      3.0WD - 3.0 W/ft (9.8 W/m) Warm Dim (1800K-3000K)	RS - Right Side Feed	
<b>Mounting</b>			
1. Aluminum Mounting Clip	3.035 - 3.0 W/ft (9.8 W/m) 3500K	* Recommended	
Recommended for curved applications with 6 in. (150 mm) on center spacing		POWER FEED OPTIONS	
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 / 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		2200K, 2400K, 2700K, 3000K, 3500K, 4000K, Variable White (2200K-6000K), Warm Dim (1800K-3000K), RGB
Lifetime (L70 reported)		50,000 hours
Max Length		Static White: 42 ft 7.81 in. (13 m) 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		<p><b>Static White</b> 2200K: 122.5 lm/ft (402 lm/m), 42 lm/W / 2400K: 135.9 lm/ft (446 lm/m), 47 lm/W 2700K: 150.0 lm/ft (492 lm/m), 51 lm/W / 3000K: 145.1 lm/ft (476 lm/m), 50 lm/W 3500K: 159.7 lm/ft (524 lm/m), 55 lm/W / 4000K: 154.2 lm/ft (506 lm/m), 53 lm/W</p> <p><b>Variable White</b> All LEDs at 100%: 110 lm/ft (360.9 lm/m), 39 lm/W</p> <p><b>Warm Dim</b> All LEDs at 100%: 92.5 lm/ft (303.5 lm/m), 33 lm/W</p> <p><b>RGB</b> Red: 8 lm/ft (26.2 lm/m), 11 lm/W Green: 30 lm/ft (98.4 lm/m), 29 lm/W Blue: 6 lm/ft (19.7 lm/m), 5 lm/W All LEDs at 100%: 44 lm/ft (144.3 lm/m), 15 lm/W</p>

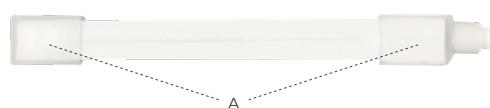
## MOLDED END CAPS (See page 3 for details)



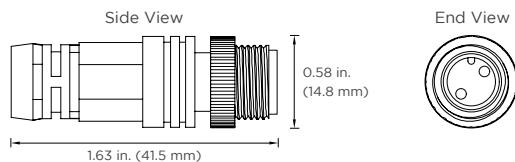
Molded End Cap

Molded Power Feed End Cap

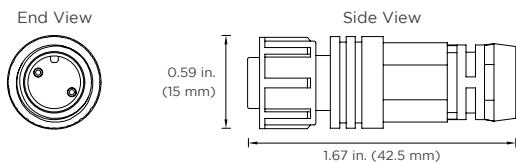
Note: Fixtures less than 8 in. (203 mm) long will come with silicone end caps (A).



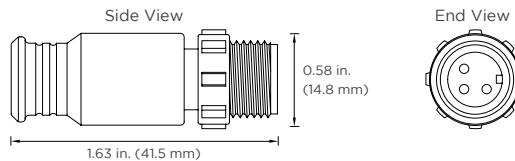
2-pin Male Connector



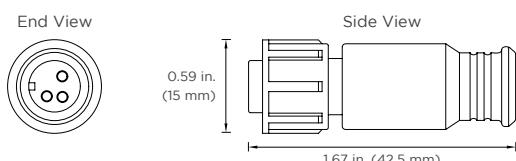
2-pin Female Connector



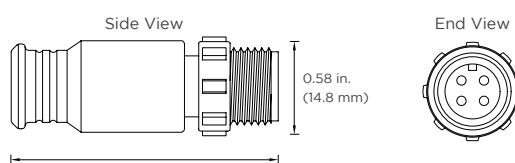
3-pin Male Connector



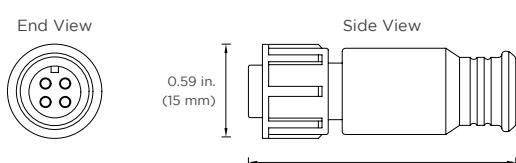
3-pin Female Connector



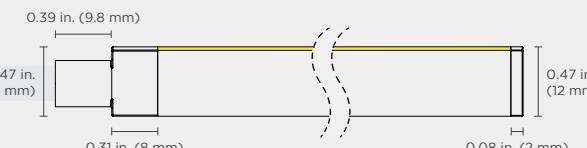
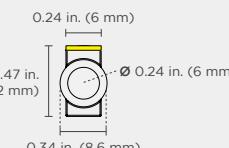
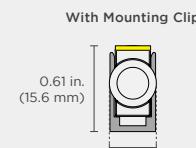
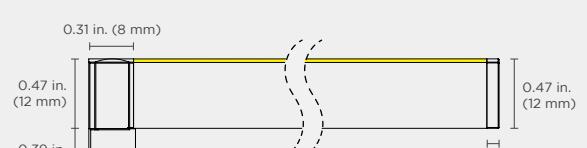
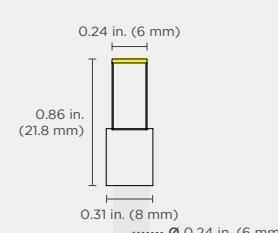
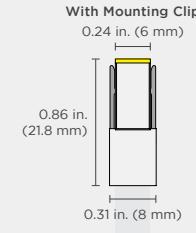
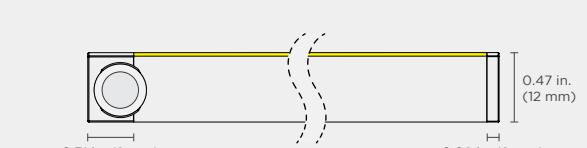
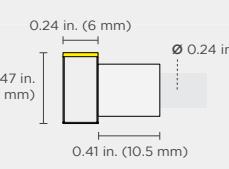
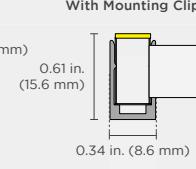
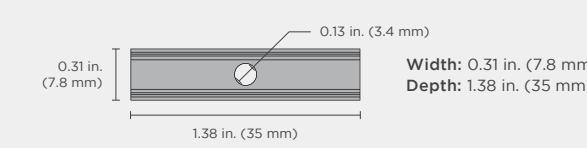
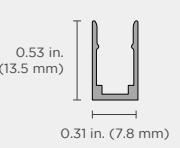
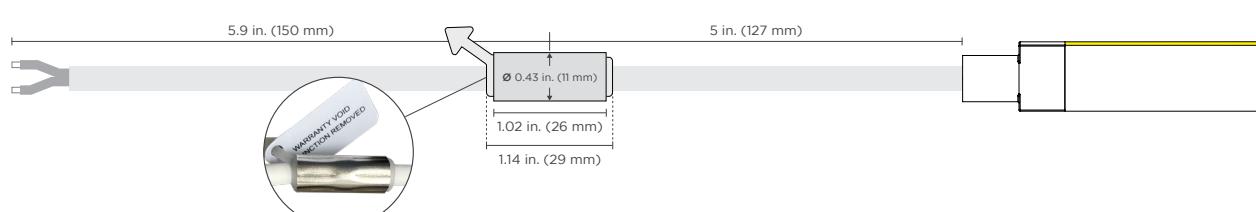
4-pin Male Connector



4-pin Female Connector

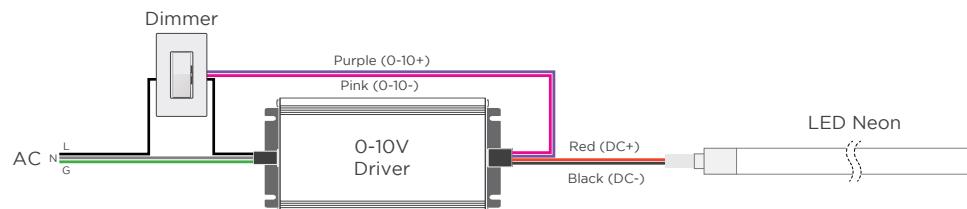


## DIMENSIONS &amp; DIAGRAMS

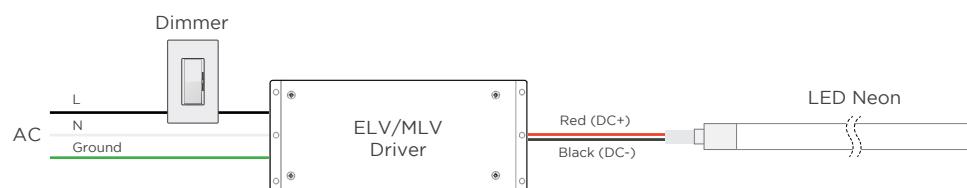
END FEED		
Side View	End View	With Mounting Clip
 <p><b>Max Lengths:</b> Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)</p>	 <p><b>Width:</b> 0.34 in. (8.6 mm) <b>Height:</b> 0.47 in. (12 mm) <b>Cable Diameter:</b> 0.24 in. (6 mm)</p>	 <p><b>Width:</b> 0.34 in. (8.6 mm) <b>Height:</b> 0.61 in. (15.6 mm)</p>
 <p><b>Max Lengths:</b> Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)</p>	 <p><b>Bottom Width:</b> 0.31 in. (8 mm) <b>Height:</b> 0.86 in. (21.8 mm) <b>Cable Diameter:</b> 0.24 in. (6 mm)</p>	 <p><b>Width:</b> 0.31 in. (8 mm) <b>Height:</b> 0.86 in. (21.8 mm)</p>
SIDE FEED		
Side View	End View	With Mounting Clip
 <p><b>Max Lengths:</b> Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)</p>	 <p><b>Bottom Width:</b> 0.31 in. (8 mm) <b>Height:</b> 0.86 in. (21.8 mm) <b>Cable Diameter:</b> 0.24 in. (6 mm)</p>	 <p><b>Width:</b> 0.31 in. (8 mm) <b>Height:</b> 0.86 in. (21.8 mm)</p>
MOUNTING CLIP - Recommended for curved applications with 6 in. (150 mm) on center spacing.		
Top View	End View	
 <p><b>Width:</b> 0.31 in. (7.8 mm) <b>Depth:</b> 1.38 in. (35 mm)</p>	 <p><b>Width:</b> 0.31 in. (7.8 mm) <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

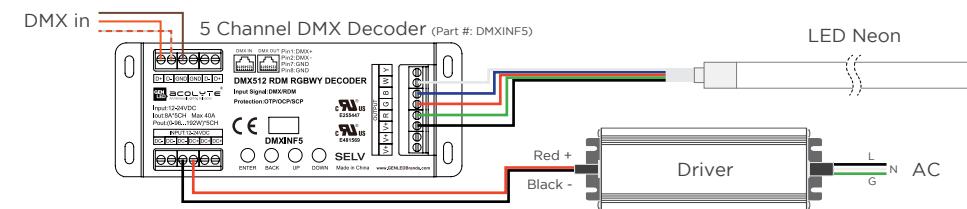
## 0-10V



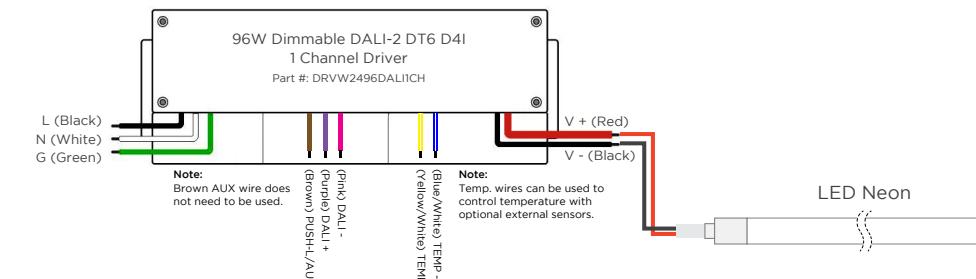
## MLV / ELV



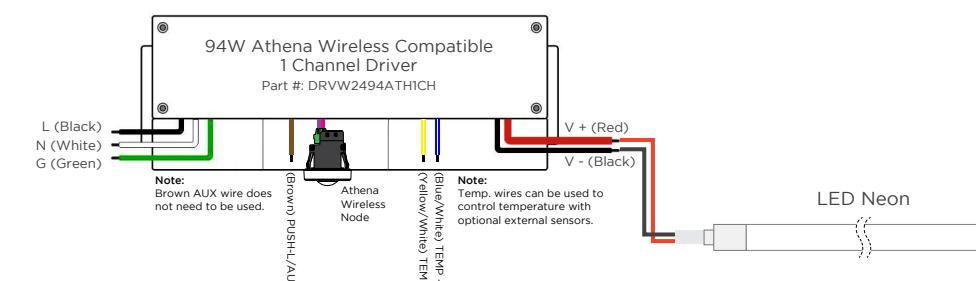
## DMX



## DALI-2 WIRING WITH STATIC WHITE NEON



## STATIC WHITE NEON WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



## WIRE COLORS

## STATIC WHITE

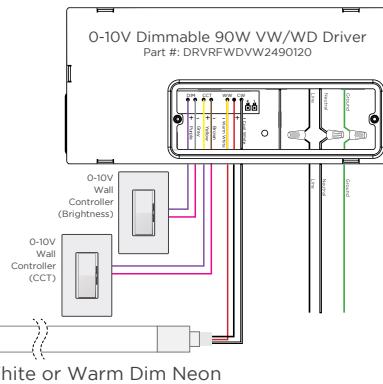
Red Wire (+) Positive  
Black Wire (-) Negative

## 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 &amp; WARM DIM DIMMING



## WIRE COLORS

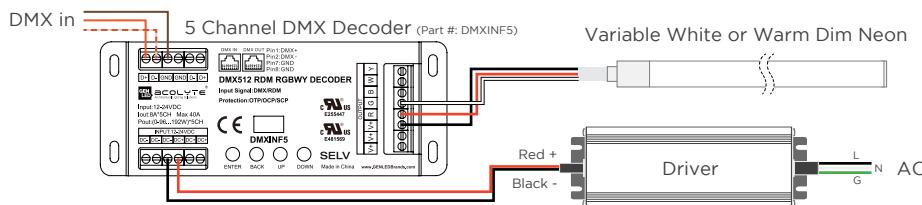
## VARIABLE WHITE

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

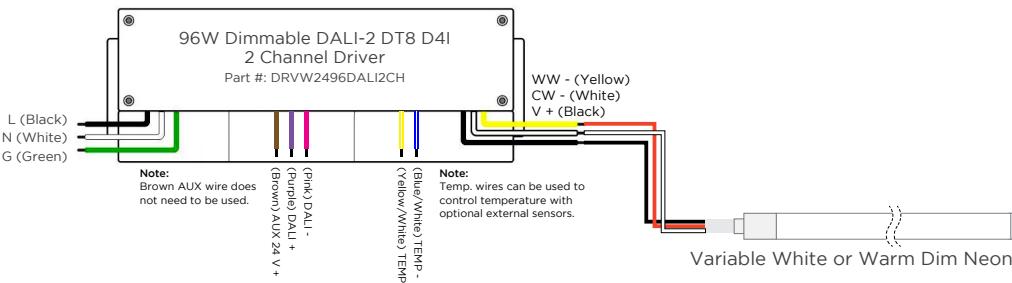
## WARM DIM

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

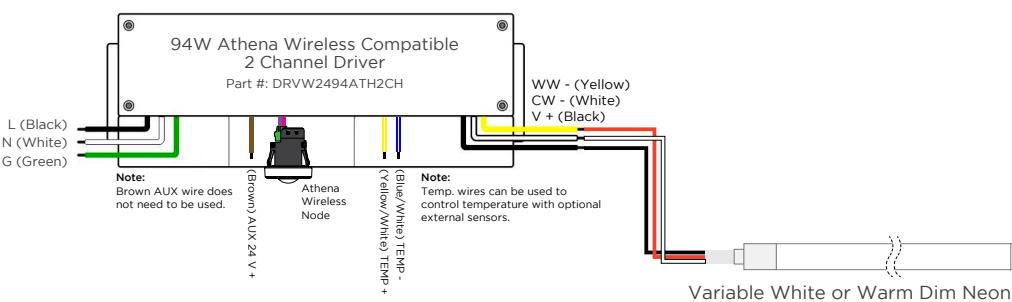
## DMX WIRING DIAGRAM - COMPATIBLE WITH VARIABLE WHITE &amp; WARM DIM NEON



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



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



REV.12FEB2026

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