

NEON CONTOUR

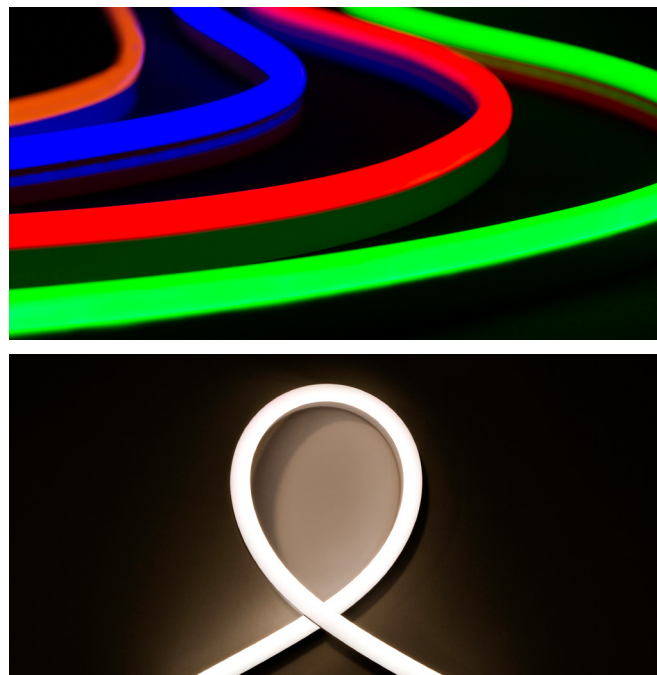
It's like neon, but better! This bendable, waterproof silicone fixture uses a rounded lens that gives modern LEDs the classic glow of neon tubes. Available in Static White, Variable White, Warm Dim and color changing RGB, the Neon Contour is designed to brave the elements in façade lighting and lettering.

- Side-bending flexible silicone creates vivid tubes 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
- Unique rounded design helps create signature styles



IMPORTANT

The maximum operating temperature for this product is **140 °F (60 °C)**. In high-heat environments (like building façades) where the temperature of the mounting surface could reach or exceed this threshold, we strongly recommend using the standoff mounting accessories listed on this spec sheet.



ORDERING GUIDE

Category	Wattage & Color		Power Feed Direction
NLC			
NLC - Neon Contour	3.022 - 3.0 W/ft (9.8 W/m) 2200K 3.024 - 3.0 W/ft (9.8 W/m) 2400K 3.027 - 3.0 W/ft (9.8 W/m) 2700K 3.030 - 3.0 W/ft (9.8 W/m) 3000K 3.035 - 3.0 W/ft (9.8 W/m) 3500K 3.040 - 3.0 W/ft (9.8 W/m) 4000K	3.0RGB - 3.0 W/ft (9.8 W/m) Red, Green, Blue 3.0VW - 3.0 W/ft (9.8 W/m) Variable White (2400K-6000K) 3.0WD - 3.0 W/ft (9.8 W/m) Warm Dim (1800K-3000K)	E - End Feed B - Bottom Feed LS - Left Side Feed* RS - Right Side Feed

* Recommended

Mounting Options

Aluminum Mounting Clip

Recommended for curved applications with 6 in. (150 mm) on center spacing
Part #: NLCMOUNTCLIPV2

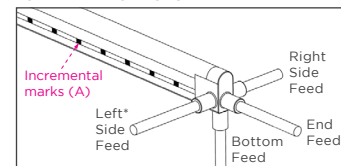
Mounting Channel

Recommended for all straight run applications
Sold by the foot, up to 6 ft 6 in. / 2 m
Part #: NLCCHV2

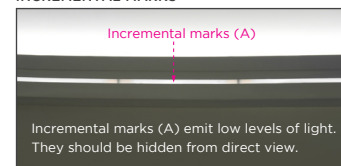
Standoff

Recommended for all exterior applications
Part #: LB-FRN-STDIOFF

POWER FEED OPTIONS



INCREMENTAL MARKS



AVAILABLE COLORS AND COLOR TEMPERATURES



USAGE GUIDELINES

- Neon Contour 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 CONTOUR
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 (2400K-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) NOT FIELD CUTTABLE
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	3.94 in. (100 mm)
CRI (white)	90+ for all Color Temperatures
Lumens	Static White 2200K: 268 lm/ft (881 lm/m), 51 lm/W / 2400K: 163.4 lm/ft (536 lm/m), 56 lm/W / 2700K: 186.5 lm/ft (612 lm/m), 64 lm/W 3000K: 203.6 lm/ft (668 lm/m), 70 lm/W / 3500K: 181.7 lm/ft (596 lm/m), 62 lm/W 4000K: 209.1 lm/ft (686 lm/m), 72 lm/W
	Variable White All LEDs at 100%: 133.6 lm/ft (438.3 lm/m), 48 lm/W
	Warm Dim All LEDs at 100%: 113.1 lm/ft (371.1 lm/m), 41 lm/W
	RGB Red: 11 lm/ft (36.1 lm/m), 11 lm/W Green: 43 lm/ft (141 lm/m), 29 lm/W Blue: 9 lm/ft (29.5 lm/m), 5 lm/W All LEDs at 100%: 63 lm/ft (206.6 lm/m), 21 lm/W

MOLDED END CAPS (See page 3 for details.)



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 & DIAGRAMS

END FEED		
Side View Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)	End View With Mounting Clip Bottom Width: 0.31 in. (8 mm) Height: 0.67 in. (17 mm) Cable Diameter: 0.24 in. (6 mm) With Standoff Height: 1.32 in. (33.51 mm) Width: 0.43 in. (10.87 mm)	

BOTTOM FEED		
Side View Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)	End View With Mounting Clip Bottom Width: 0.31 in. (8 mm) Height: 1.05 in. (26.6 mm) Cable Diameter: 0.24 in. (6 mm) With Standoff Height: 1.52 in. (38.51 mm) Width: 0.43 in. (10.87 mm)	

SIDE FEED		
Side View Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)	End View With Mounting Clip Bottom Width: 0.31 in. (8 mm) Height: 0.67 in. (17 mm) Cable Diameter: 0.24 in. (6 mm) With Mounting Clip Height: 1.32 in. (33.51 mm) Width: 0.43 in. (10.87 mm)	

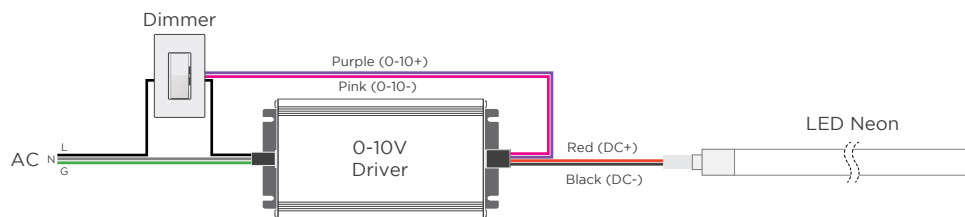
MOUNTING CLIP		STANDOFF (Part #: LB-FRN-STD OFF)	
Recommended for curved applications with 6 in. (150 mm) on center spacing.		Recommended for all exterior applications.	
Top View Width: 0.42 in. (10.6 mm) Depth: 0.98 in. (25 mm)	Side View Height: 0.61 in. (15.5 mm) Width: 0.42 in. (10.6 mm)	Side View Width: 0.43 in. (10.87 mm) Height: 0.47 in. (11.91 mm)	Top View Width: 0.43 in. (10.87 mm) Height: 0.47 in. (11.91 mm) Screw Hole Diameter: 0.22 in. (5.5 mm)

MOUNTING CHANNEL (Part #: NLCCHV2)	
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	
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. Dimensions: 5.9 in. (150 mm) 5 in. (127 mm) 0.43 in. (11 mm) 1.02 in. (26 mm) 1.14 in. (29 mm)	

WIRING DIAGRAMS - STATIC WHITE / RGB

0-10V



WIRE COLORS

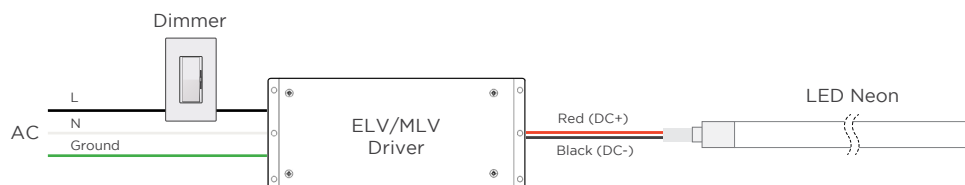
STATIC WHITE

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

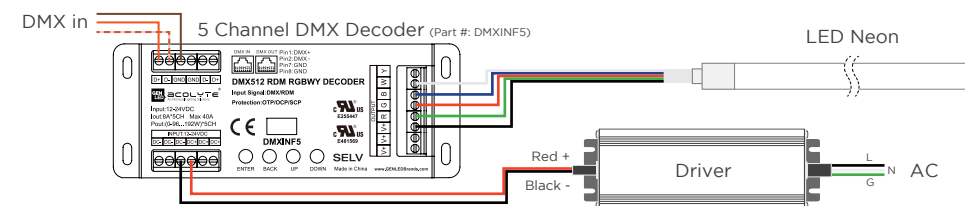
RGB

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

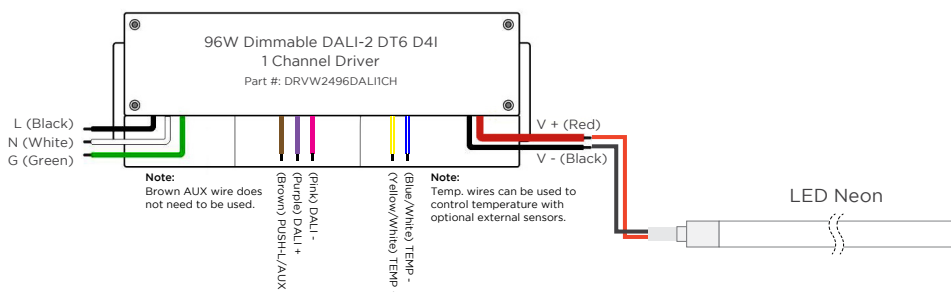
MLV / ELV



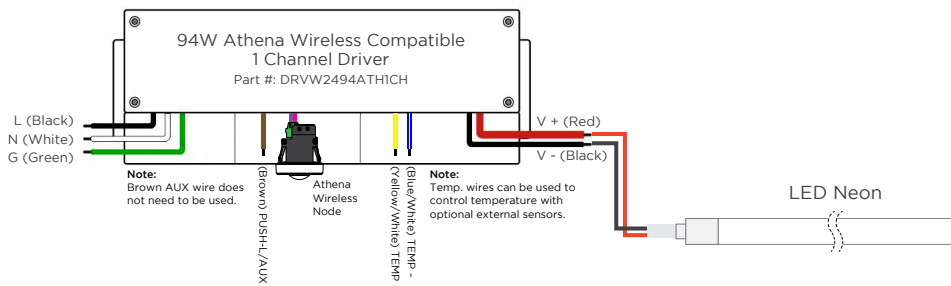
DMX



DALI-2 WIRING WITH STATIC WHITE NEON

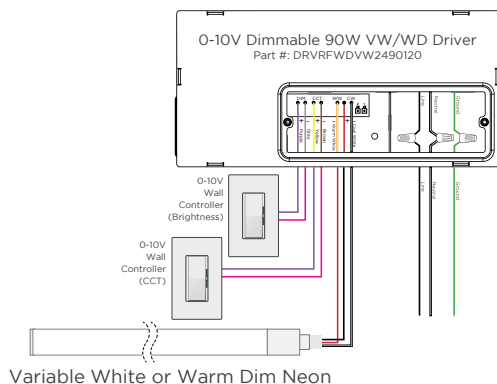


STATIC WHITE NEON WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



WIRING DIAGRAMS - VARIABLE WHITE / WARM DIM

2-CHANNEL VARIABLE WHITE & WARM DIM DIMMING



WIRE COLORS

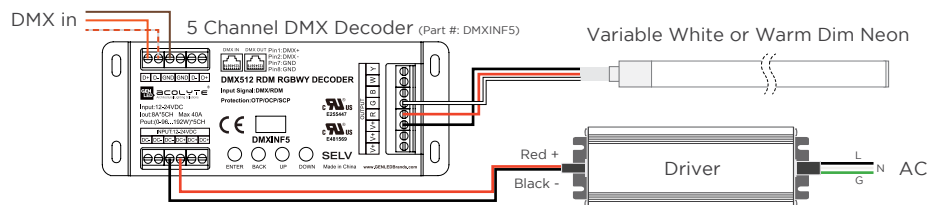
VARIABLE WHITE

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

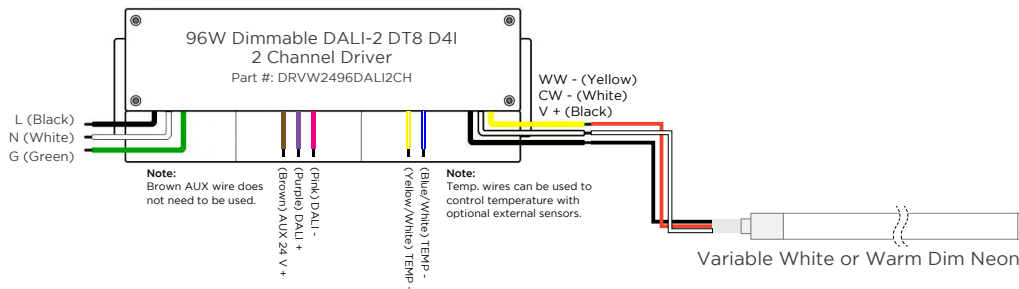
WARM DIM

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

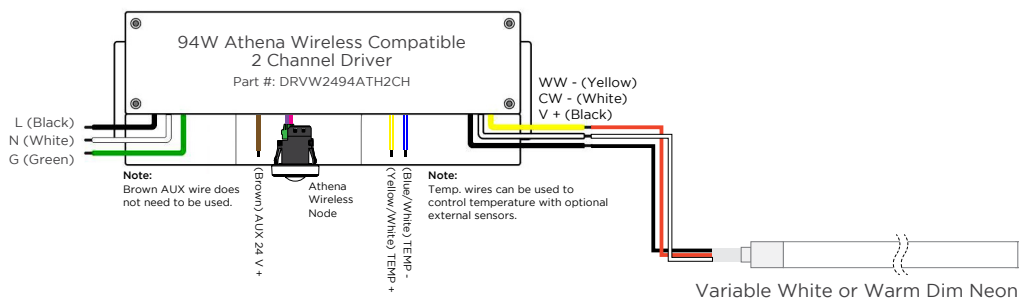
DMX WIRING DIAGRAM - COMPATIBLE WITH VARIABLE WHITE & WARM DIM NEON



DALI-2 WIRING WITH VARIABLE WHITE & WARM DIM NEON



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



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