GEN LED acolyte® Architectural Lighting Solutions

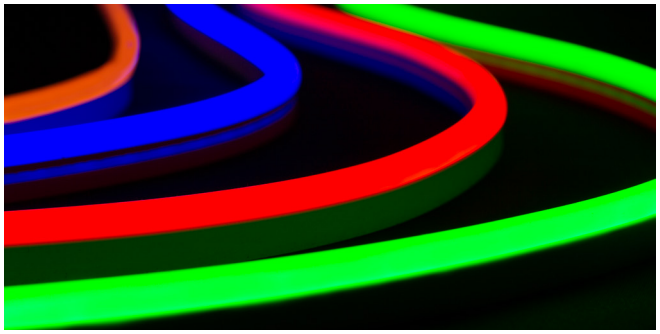
Date | Project

Notes

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 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 at 3.0 W/ft (9.8 W/m)
- All cut lengths at 1.97 in. (50 mm)
- Waterproof and UV resistant
- Unique rounded design helps create signature styles



Applications:

Commercial
Entertainment
Healthcare
Hospitality
Museums
Public Spaces
Residential
Retail / Signage

UL CE RoHS REACH IP67

ORDERING GUIDE

Category	Wattage & Color		Power Feed Direction
NLC			
NLC - Neon Contour	**3.024** - 3.0 W/ft (9.8 W/m) 2400K	**3.0RGB** - 3.0 W/ft (9.8 W/m) Red, Green, Blue	**E** - End 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)	**B** - Bottom Feed
	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		

Mounting

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

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

AVAILABLE COLORS AND COLOR TEMPERATURES

2400K 2700K 3000K 3500K 4000K VW RGB

POWER FEED OPTIONS / SPECIFICATIONS / USAGE GUIDELINES

SPECIFICATIONS	NEON CONTOUR
Operating Voltage	24V DC
Power Consumption	Static White, Variable White, RGB: 3.0 W/ft (9.8 W/m)
Protection Rating	IP67
Beam Angle	110°
Dimming	ELV / MLV / 0-10 Volt / DMX
Operating Temperature	-4° F to 140° F (-20° C to 60° C)
Color Temperatures / Colors	2400K, 2700K, 3000K, 3500K, 4000K, Variable White (2400K-6000K), RGB
Lamp Life	50,000 Hours
Max Length	Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)
Cuttable Length	Static White, Variable White, RGB: 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 Diameter	7.87 in. (200 mm)
CRI (white)	90+ for all Color Temperatures
Lumens	**3.0 Static White** 4000K: 152 lm/ft (498.6 lm/m), 38 lm/W
	3.0 Variable White 150 lm/ft (492 lm/m), 34 lm/W
	3.0 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

Molded End Cap

Molded Power Feed End Cap

USAGE GUIDELINES

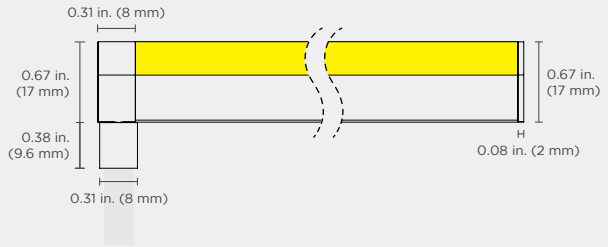
- When installing this product take into account the surface temperature of the material where it will be mounted. Many building surfaces which are exposed to direct sunlight exceed the 140° F/60° C maximum that our product is rated for. High-risk locations like this should be avoided.
- This product is not intended to be submerged in pools and fountains and does not carry UL 676 certification to do so. Available for download at: www.GENLEDBrands.com/Acolyte
- Compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with Acolyte drivers, triac dimming modules, and 0-10 modules.
- 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
- This product can be used in wet, outdoor locations around swimming pools and spa tubs, but not submerged in swimming pools and spa tubs.
- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.

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.

DIMENSIONS & DIAGRAMS - STATIC WHITE & VARIABLE WHITE MODELS WITH MOLDED END CAPS

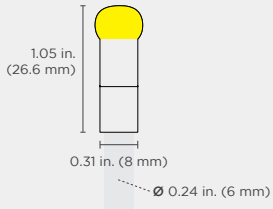
WITH BOTTOM FEED MOLDED END CAP

Side View

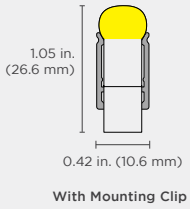


Max Lengths:
Static White: 42 ft 7.81 in. (13 m)
Variable White: 16 ft 4.85 in. (5 m)

End View



Bottom Width: 0.31 in. (8 mm)
Height: 1.05 in. (26.6 mm)
Cable Diameter: 0.24 in. (6 mm)

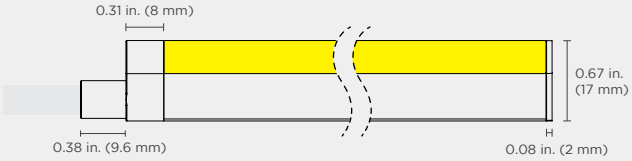


With Mounting Clip

Width: 0.42 in. (10.6 mm)
Height: 1.05 in. (26.6 mm)

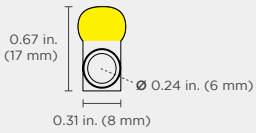
WITH END FEED MOLDED END CAP

Side View

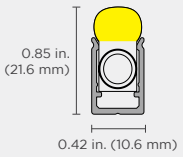


Max Lengths:
Static White: 42 ft 7.81 in. (13 m)
Variable White: 16 ft 4.85 in. (5 m)

End View



Bottom Width: 0.31 in. (8 mm)
Height: 0.67 in. (17 mm)
Cable Diameter: 0.24 in. (6 mm)



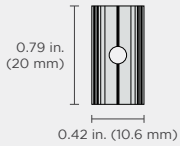
With Mounting Clip

Width: 0.42 in. (10.6 mm)
Height: 0.85 in. (21.6 mm)

MOUNTING CLIP

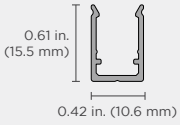
Recommended for curved applications with 6 in. (150 mm) on center spacing.

Top View



Width: 0.42 in. (10.6 mm)
Depth: 0.79 in. (20 mm)

End View



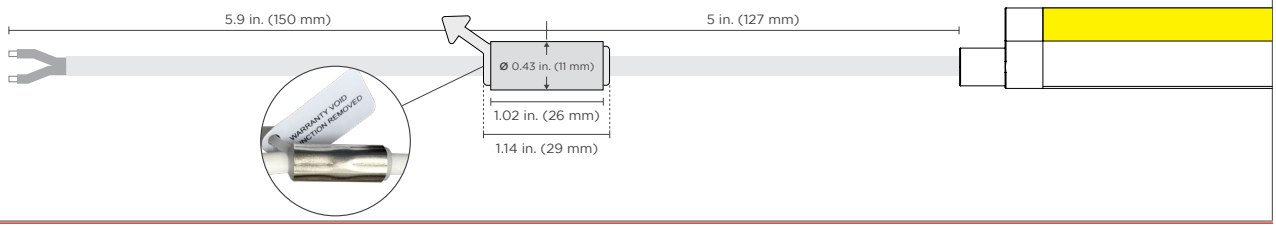
Width: 0.42 in. (10.6 mm)
Height: 0.61 in. (15.5 mm)

MOUNTING CHANNEL

Recommended for all straight run applications.
Sold by the foot, up to 6 ft 6 in. / 2 m (same width & height as mounting clip)
(Part #: NLCCHV2)

HYDRO SEAL

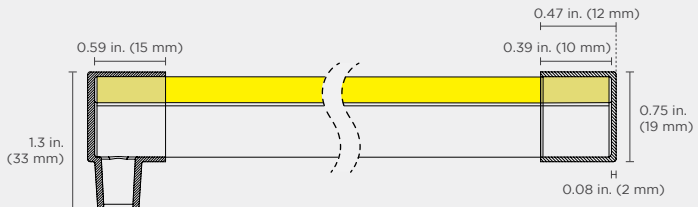
The Hydro Seal clinches tightly around the conductors to prevent any water flow from the end of the wire to the circuit board through capillary effect.



DIMENSIONS & DIAGRAMS - RGB MODELS WITH SILICONE END CAPS

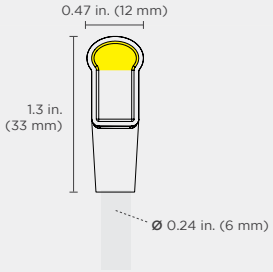
WITH BOTTOM FEED SILICONE END CAP

Side View

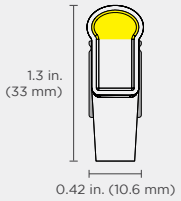


Max Lengths:
RGB: 16 ft 4.85 in. (5 m)

End View



Width: 0.47 in. (12 mm)
Height: 1.3 in. (33 mm)
Cable Diameter: 0.24 in. (6 mm)

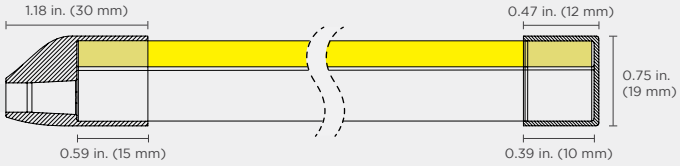


With Mounting Clip

Width: 0.42 in. (10.6 mm)
Height: 1.3 in. (33 mm)

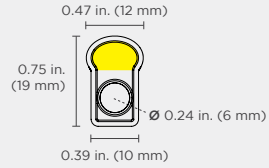
WITH END FEED SILICONE END CAP

Side View

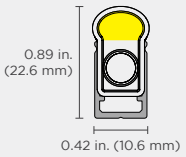


Max Lengths:
RGB: 16 ft 4.85 in. (5 m)

End View



Width: 0.47 in. (12 mm)
Height: 0.75 in. (19 mm)
Cable Diameter: 0.24 in. (6 mm)



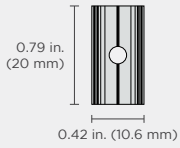
With Mounting Clip

Width: 0.42 in. (10.6 mm)
Height: 0.89 in. (22.6 mm)

MOUNTING CLIP

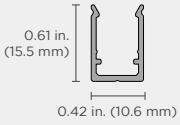
Recommended for curved applications with 6 in. (150 mm) on center spacing.

Top View



Width: 0.42 in. (10.6 mm)
Depth: 0.79 in. (20 mm)

End View



Width: 0.42 in. (10.6 mm)
Height: 0.61 in. (15.5 mm)

MOUNTING CHANNEL

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Sold by the foot, up to 6 ft 6 in. / 2 m (same width & height as mounting clip)
(Part #: NLCCHV2)

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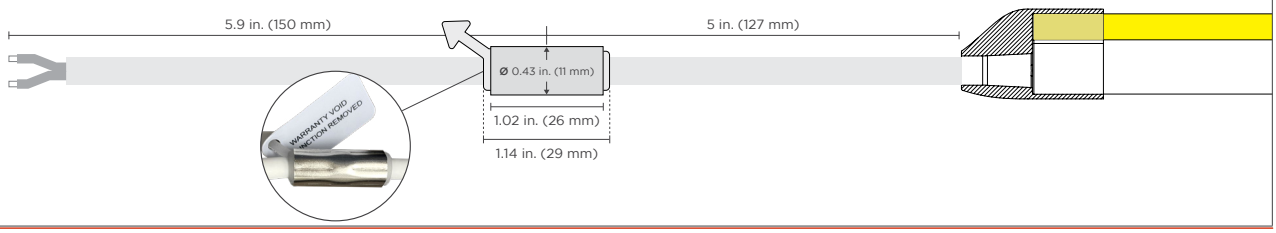
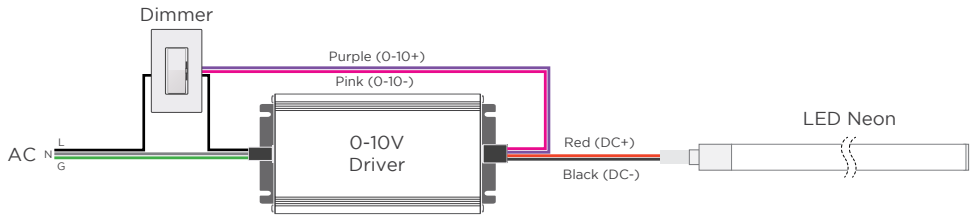
The Hydro Seal clinches tightly around the conductors to prevent any water flow from the end of the wire to the circuit board through capillary effect.

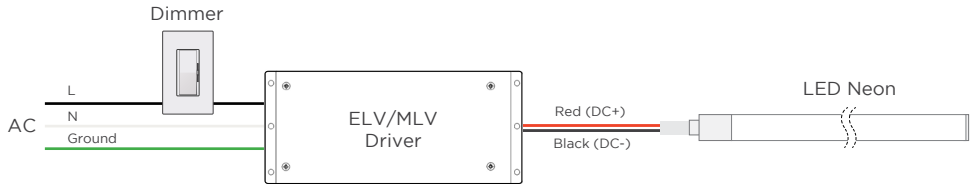


WIRING DIAGRAMS

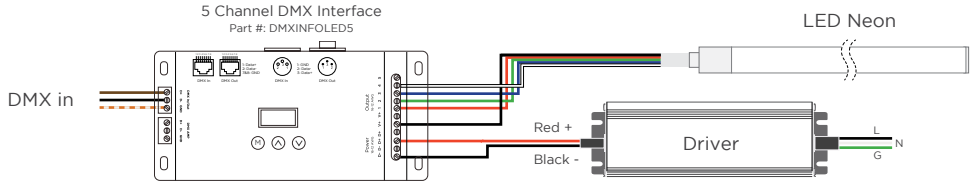
0-10V



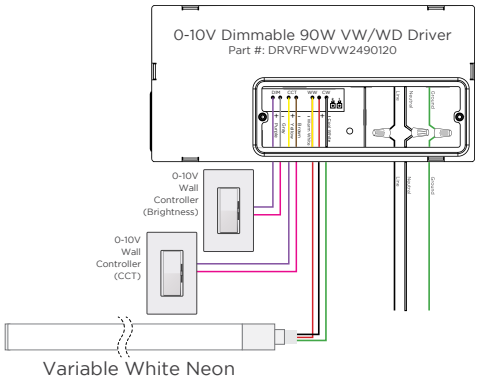
MLV / ELV



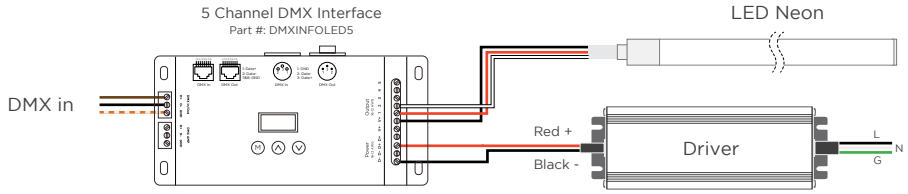
DMX



2-CHANNEL VARIABLE WHITE DIMMING



DMX WIRING DIAGRAM - COMPATIBLE WITH ALL MODELS OF VARIABLE WHITE RIBBONLYTE



WIRE COLORS PER RIBBONLYTE COLOR

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

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

REV.13SEP2023