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)
• 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

Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail / Signage
Healthcare	Public Spaces	

UL   CE   RoHS   REACH   IP67   TM66 ASSESSED
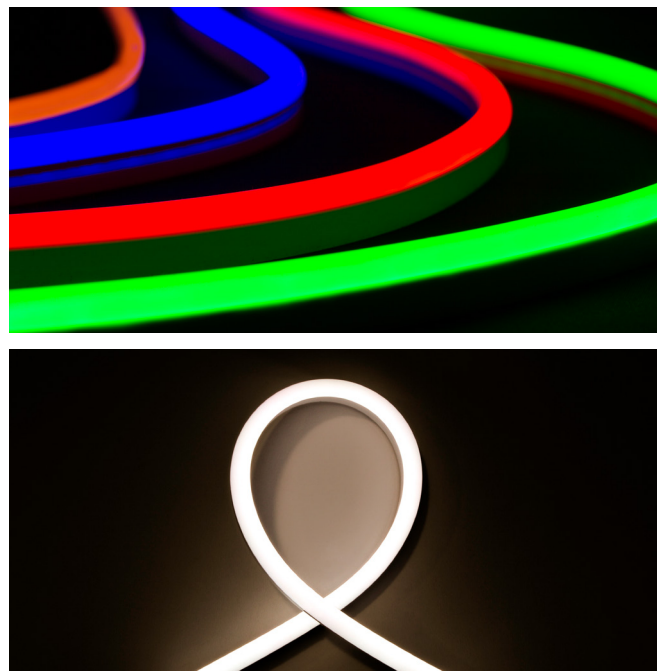
ORDERING GUIDE

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		**LS** - Left Side Feed*
	3.035 - 3.0 W/ft (9.8 W/m) 3500K		**RS** - Right Side Feed
Mounting	**3.040** - 3.0 W/ft (9.8 W/m) 4000K		

* Recommended

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
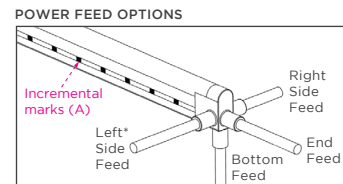Part #: NLCCHV2

POWER FEED OPTIONS

Incremental marks (A)
Left* Side Feed
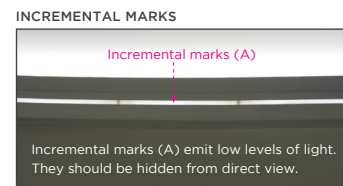Right Side Feed
Bottom Feed
End Feed

INCREMENTAL MARKS

Incremental marks (A)

Incremental marks (A) emit low levels of light. They should be hidden from direct view.

AVAILABLE COLORS AND COLOR TEMPERATURES

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

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	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 — 140 °F (-20 — 60 °C)
Color Temperatures / Colors	2400K, 2700K, 3000K, 3500K, 4000K, Variable White (2400K-6000K), RGB
Lifetime (L70 reported)	50,000 hours
Max Length	Static White: 42 ft 7.81 in. (13 m) Variable White, 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	**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 (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).

A

2-pin Male Connector

Side View

0.58 in. (14.8 mm)

1.63 in. (41.5 mm)

End View

2-pin Female Connector

End View

Side View

0.59 in. (15 mm)

1.67 in. (42.5 mm)

3-pin Male Connector

Side View

0.58 in. (14.8 mm)

1.63 in. (41.5 mm)

End View

3-pin Female Connector

End View

Side View

0.59 in. (15 mm)

1.67 in. (42.5 mm)

4-pin Male Connector

Side View

0.58 in. (14.8 mm)

1.63 in. (41.5 mm)

End View

4-pin Female Connector

End View

Side View

0.59 in. (15 mm)

1.67 in. (42.5 mm)

DIMENSIONS & DIAGRAMS

END FEED

Side View	End View

Side View

0.31 in. (8 mm)

0.67 in. (17 mm)

0.38 in. (9.6 mm)

H 0.08 in. (2 mm)

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

End View

0.67 in. (17 mm)

Ø 0.24 in. (6 mm)

0.31 in. (8 mm)

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

With Mounting Clip

0.85 in. (21.6 mm)

0.42 in. (10.6 mm)

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

BOTTOM FEED

Side View	End View

Side View

0.31 in. (8 mm)

0.67 in. (17 mm)

0.67 in. (17 mm)

0.38 in. (9.6 mm)

H 0.08 in. (2 mm)

0.31 in. (8 mm)

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

End View

1.05 in. (26.6 mm)

0.31 in. (8 mm)

Ø 0.24 in. (6 mm)

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

With Mounting Clip

1.05 in. (26.6 mm)

0.42 in. (10.6 mm)

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

SIDE FEED

Side View	End View

Side View

0.31 in. (8 mm)

0.67 in. (17 mm)

0.55 in. (14 mm)

H 0.08 in. (2 mm)

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

End View

0.87 in. (22 mm)

0.67 in. (17 mm)

Ø 0.24 in. (6 mm)

0.31 in. (8 mm)

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

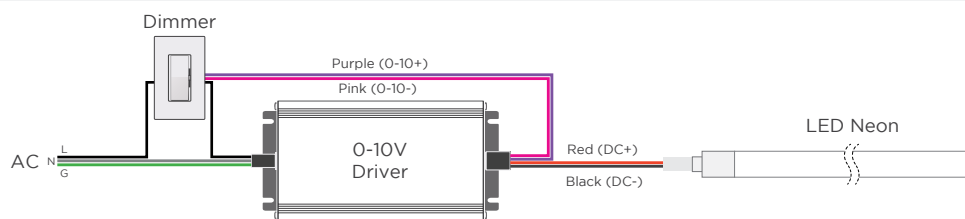**With Mounting Clip**

0.85 in. (21.6 mm)

0.42 in. (10.6 mm)

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	End View

Top View

0.79 in. (20 mm)

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

0.42 in. (10.6 mm)

End View

0.61 in. (15.5 mm)

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

0.42 in. (10.6 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)
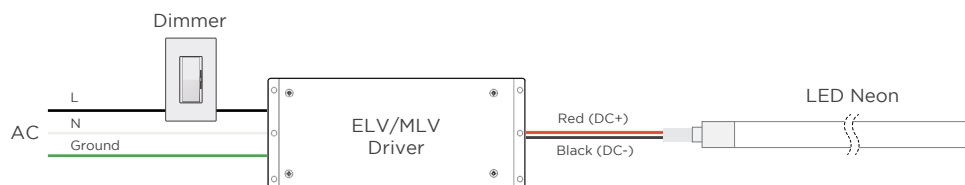
HYDRO SEAL

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.
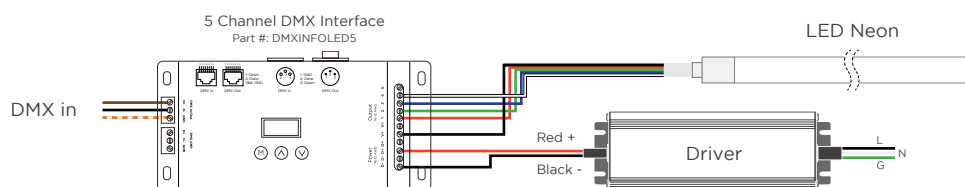
5.9 in. (150 mm)

5 in. (127 mm)

Ø 0.43 in. (11 mm)

WARRANTY VOID [IF] SECTION REMOVED

1.02 in. (26 mm)

1.14 in. (29 mm)

GEN LED acolyte®
Architectural Lighting Solutions

WIRING DIAGRAMS - STATIC WHITE / RGB

0-10V

Dimmer

Purple (0-10+)
Pink (0-10-)

0-10V Driver

AC
L
N
G

Red (DC+)
Black (DC-)

LED Neon

MLV / ELV

Dimmer

AC
L
N
Ground

ELV/MLV Driver

Red (DC+)
Black (DC-)

LED Neon

DMX

5 Channel DMX Interface
Part #: DMXINFOLED5

LED Neon

DMX in

Red +
Black -

Driver

L
N
G

DALI-2 WIRING WITH STATIC WHITE NEON

96W Dimmable DALI-2 DT6 D4I
1 Channel Driver
Part #: DRVW2496DALI1CH

L (Black)
N (White)
G (Green)

V + (Red)
V - (Black)

Note:
Brown AUX wire does not need to be used.

(Brown) PUSH-L/AUX
(Purple) DALI +
(Pink) DALI -
(Blue/White) TEMP -
(Yellow/White) TEMP +

Note:
Temp. wires can be used to control temperature with optional external sensors.

LED Neon
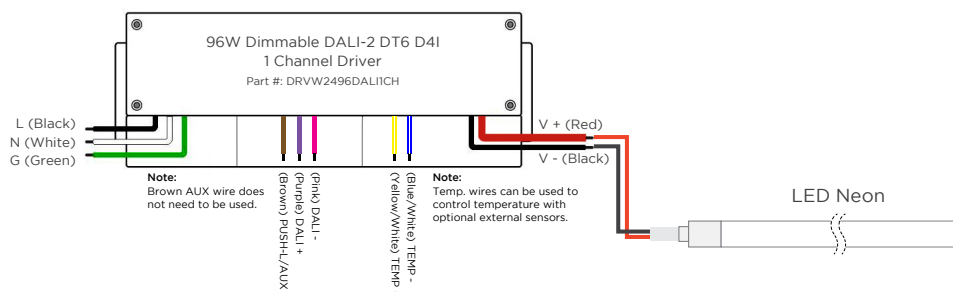
STATIC WHITE NEON WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER

94W Athena Wireless Compatible
1 Channel Driver
Part #: DRVW2494ATH1CH

L (Black)
N (White)
G (Green)

V + (Red)
V - (Black)

Note:
Brown AUX wire does not need to be used.

(Brown) PUSH-L/AUX
Athena Wireless Node
(Blue/White) TEMP -
(Yellow/White) TEMP +

Note:
Temp. wires can be used to control temperature with optional external sensors.

LED Neon
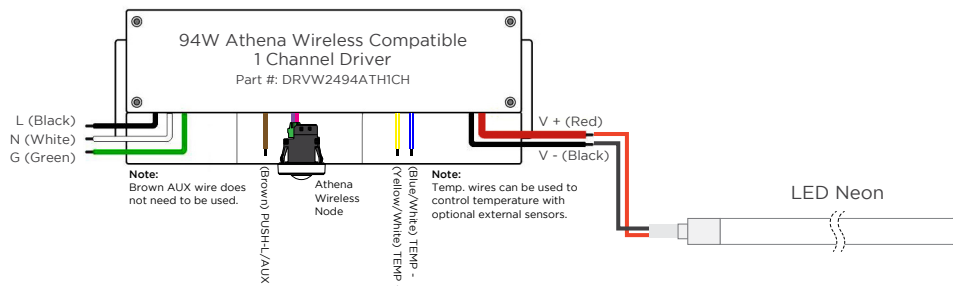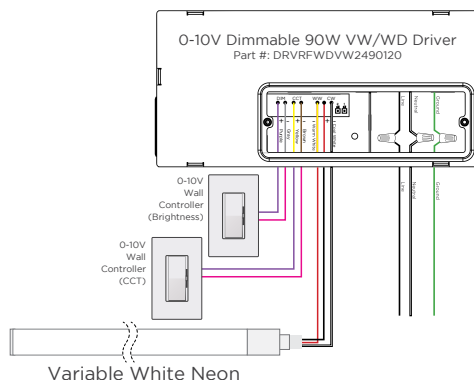
WIRE COLORS PER RIBBONLYTE COLOR

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

GEN LED ACOLYTE®
Architectural Lighting Solutions

WIRING DIAGRAMS - VARIABLE WHITE

2-CHANNEL VARIABLE WHITE DIMMING

0-10V Dimmable 90W VW/WD Driver
Part #: DRVRFWDVW2490120

0-10V Wall Controller (Brightness)

0-10V Wall Controller (CCT)

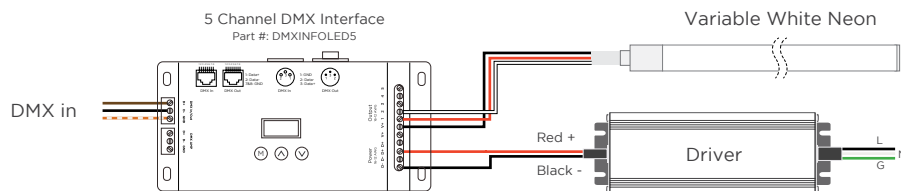Variable White Neon

WIRE COLORS PER RIBBONLYTE COLOR

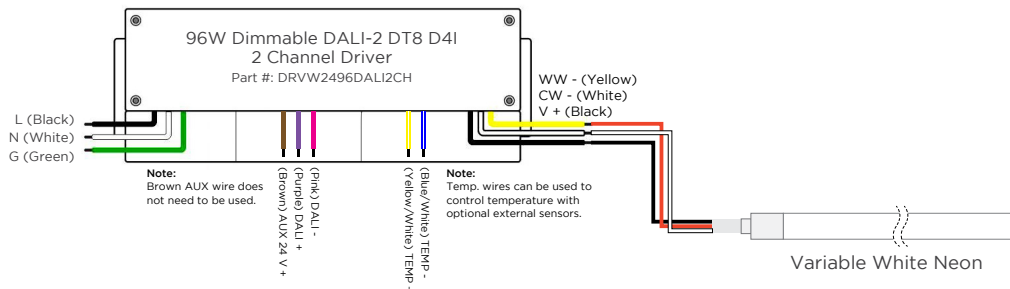**VARIABLE WHITE**
Black Wire (+) Positive
Red Wire (-) goes to Warm White Channel
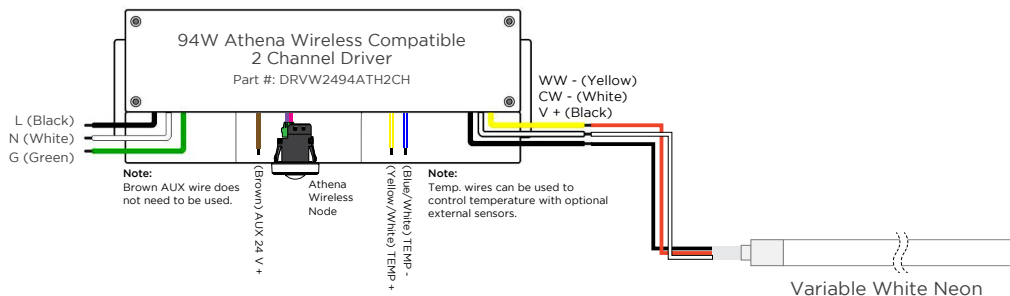White Wire (-) goes to Cool White Channel

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

5 Channel DMX Interface
Part #: DMXINFOLED5

Variable White Neon

DMX in

Red +
Black -

Driver

L
N
G

DALI-2 WIRING WITH VARIABLE WHITE NEON

96W Dimmable DALI-2 DT8 D4I
2 Channel Driver
Part #: DRVW2496DALI2CH

WW - (Yellow)
CW - (White)
V + (Black)

L (Black)
N (White)
G (Green)

Note:
Brown AUX wire does not need to be used.

(Brown) AUX 24 V +
(Purple) DALI +
(Pink) DALI -
(Yellow/White) TEMP -
(Blue/White) TEMP +

Note:
Temp. wires can be used to control temperature with optional external sensors.

Variable White Neon

ATHENA WIRELESS COMPATIBLE DRIVER WIRING WITH VARIABLE WHITE NEON

94W Athena Wireless Compatible
2 Channel Driver
Part #: DRVW2494ATH2CH

WW - (Yellow)
CW - (White)
V + (Black)

L (Black)
N (White)
G (Green)

Note:
Brown AUX wire does not need to be used.

(Brown) AUX 24 V +
Athena Wireless Node
(Yellow/White) TEMP -
(Blue/White) TEMP +

Note:
Temp. wires can be used to control temperature with optional external sensors.

Variable White Neon

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