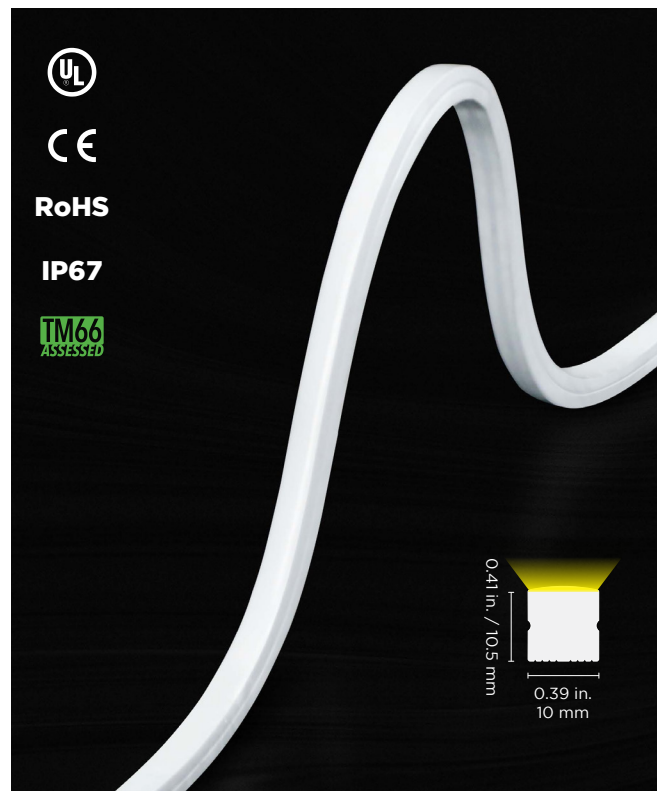## NEON APEX MINI

The Neon Apex Mini is a top-bending silicone 24V LED neon fixture with a small profile. This slender, square-faced LED neon measures just 0.39x0.41 in. (10x10.5 mm). Choose from five stunning Static White CCTs (2400K-4000K) or five Static Colors. Create brilliant, diode-free neon lines that curve above or below arches and decorative columns.

• Top-bending LED neon
• Static White (2400K, 2700K, 3000K, 3500K, 4000K)
• Static Colors (Red, Amber, Green, Blue, Yellow)
• 2.4 W/ft (8 W/m)
• 16 ft 4.85 in. (5 m) max. run length (single feed)
• Min. top-bending radius: 1.18 in. (30 mm)
• IP67

UL · CE · RoHS · IP67 · TM66 ASSESSED

0.41 in. / 10.5 mm
0.39 in. 10 mm

ORDERING GUIDE

Category	Wattage & Color		Power Feed Direction
NLAM			
NLAM - Neon Apex Mini	**2.424** - 2.4 W/ft (8 W/m) 2400K	**2.4R** - 2.4 W/ft (8 W/m) Red	**E** - End Feed
	2.427 - 2.4 W/ft (8 W/m) 2700K	**2.4A** - 2.4 W/ft (8 W/m) Amber	**B** - Bottom Feed
	2.430 - 2.4 W/ft (8 W/m) 3000K	**2.4G** - 2.4 W/ft (8 W/m) Green	**S** - Side Feed
	2.435 - 2.4 W/ft (8 W/m) 3500K	**2.4B** - 2.4 W/ft (8 W/m) Blue	
	2.440 - 2.4 W/ft (8 W/m) 4000K	**2.4Y** - 2.4 W/ft (8 W/m) Yellow	

MOUNTING OPTIONS

Mounting Clips
Recommended for curved applications
with 6 in. (150 mm) center-to-center spacing
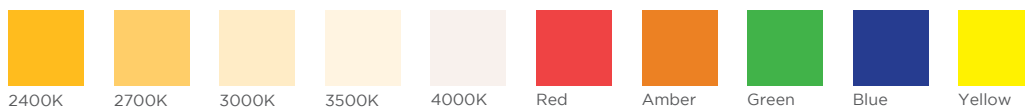(Part #: NLAMCLIP)

Mounting Channels
Recommended for all straight run applications
Sold by the foot, up to 39.37 in. / 1000 mm
(Part #: NLAMCHANNEL)

S-type Track
Recommended for curved applications
Sold by the foot, up to 39.37 in. / 1000 mm
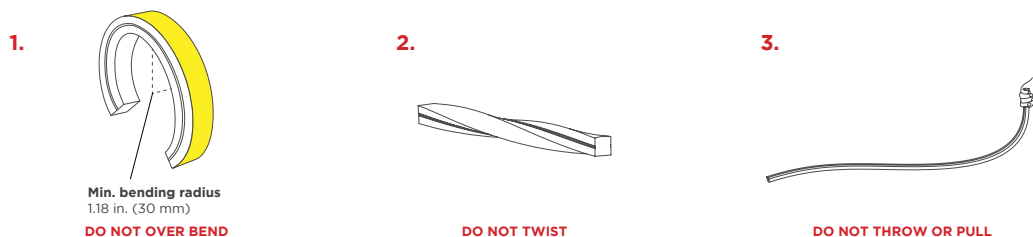(Part #: NLAMCHANNELS)

AVAILABLE COLOR TEMPERATURES & COLORS

| 2400K | 2700K | 3000K | 3500K | 4000K | Red | Amber | Green | Blue | Yellow |

SPECIFICATIONS

SPECIFICATIONS	NEON APEX MINI								
Operating Voltage	24 VDC								
Power Consumption	2.4 W/ft (8 W/m)								
Protection Rating	IP67								
Beam Angle	114°								
LED Pitch	36 LEDs/ft (120 LEDs/m)								
Color Temperatures	2400K	2700K	3000K	3500K	4000K	Red	Amber	Green	Blue	Yellow
Lumens	150.9 lm/ft (495 lm/m)	153.1 lm/ft (502 lm/m)	161.6 lm/ft (530 lm/m)	168.3 lm/ft (552 lm/m)	169.5 lm/ft (556 lm/m)	56.7 lm/ft (186 lm/m)	61 lm/ft (200 lm/m)	193.6 lm/ft (635 lm/m)	35.4 lm/ft (116 lm/m)	40.2 lm/ft (132 lm/m)
Efficacy	64 lm/W	64 lm/W	67 lm/W	70 lm/W	71 lm/W	24 lm/W	28 lm/W	70 lm/W	15 lm/W	18 lm/W
Dimming	ELV / MLV / 0-10 Volt / DMX								
Operating Temperature	-4 — 140 °F (-20 — 60 °C)								
Storage Temperature	-4 — 158 °F (-20 — 70 °C)								
Lifetime (L70 reported)	50,000 hours								
Max Length	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	1.18 in. (30 mm)								
CRI (white)	90+ CRI								
Warranty	5 years								

WARNINGS

1.

Min. bending radius
1.18 in. (30 mm)
DO NOT OVER BEND

2.

DO NOT TWIST

3.

DO NOT THROW OR PULL
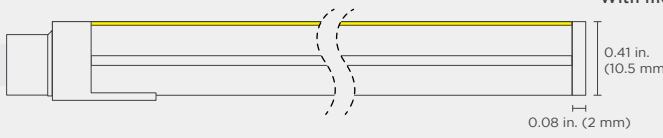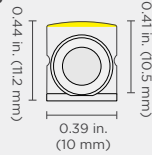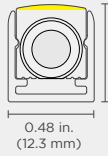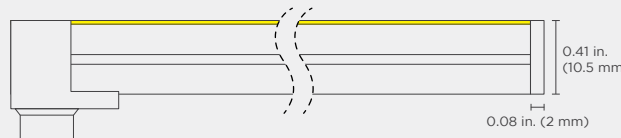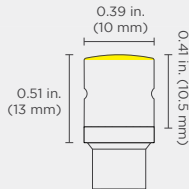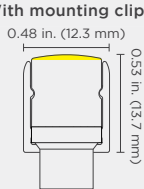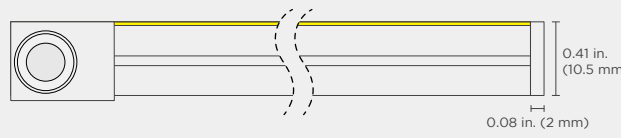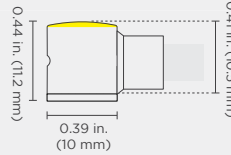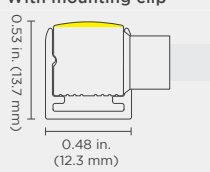
USAGE GUIDELINES

- Neon Apex Mini 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.
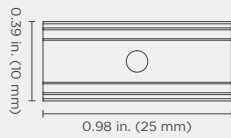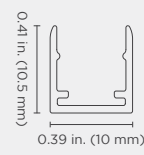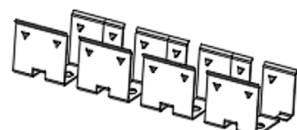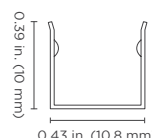- When installing this product, consider the surface temperature of the material where it will be mounted. Many building surfaces which are exposed to direct sunlight exceed the 140 °F (60 °C) maximum for which this product is rated. High-risk locations like this should be avoided.
- This product can be used in wet, outdoor locations, 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, and 0-10 V 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.
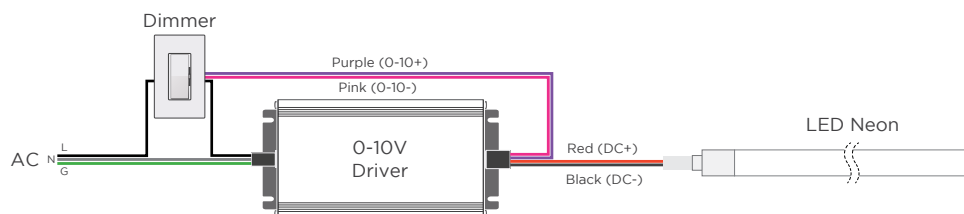
Acolyte does not warrant or represent that this information is free from errors or omission. We reserve the right to make changes to our product lineup, specifications, design and finishes at any time without notice. Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.
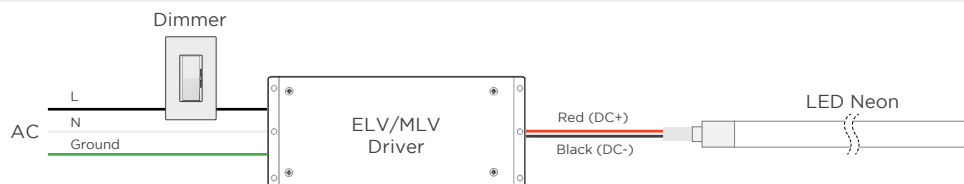
DIMENSIONS / DIAGRAMS

END FEED

Side View	End View

With mounting clip

0.41 in. (10.5 mm)
0.53 in. (13.7 mm)
0.08 in. (2 mm)
0.44 in. (11.2 mm)
0.41 in. (10.5 mm)
0.39 in. (10 mm)
0.48 in. (12.3 mm)

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

Width: 0.39 in. (10 mm)
Height: 0.41 in. (10.5 mm)
Height w/o power feed end cap: 0.44 in. (11.2 mm)
Assembled Height with mounting clip: 0.53 in. (13.7 mm)

BOTTOM FEED

Side View	End View

0.41 in. (10.5 mm)
0.08 in. (2 mm)
0.39 in. (10 mm)
0.41 in. (10.5 mm)
0.51 in. (13 mm)

With mounting clip
0.48 in. (12.3 mm)
0.53 in. (13.7 mm)

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

Width: 0.39 in. (10 mm)
Height: 0.41 in. (10.5 mm)
Height w/o power feed end cap: 0.44 in. (11.2 mm)
Assembled Height with mounting clip: 0.53 in. (13.7 mm)

SIDE FEED

Side View	End View

0.41 in. (10.5 mm)
0.08 in. (2 mm)
0.44 in. (11.2 mm)
0.41 in. (10.5 mm)
0.39 in. (10 mm)

With mounting clip
0.53 in. (13.7 mm)
0.48 in. (12.3 mm)

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

Width: 0.39 in. (10 mm)
Height: 0.41 in. (10.5 mm)
Height w/o power feed end cap: 0.44 in. (11.2 mm)
Assembled Height with mounting clip: 0.53 in. (13.7 mm)

MOUNTING CLIP

Side View	End View

0.39 in. (10 mm)
0.98 in. (25 mm)

Part #: NLAMCLIP

Width: 0.39 in. (10 mm)
Height: 0.41 in. (10.5 mm)
Length: 0.98 in. (25 mm)

0.41 in. (10.5 mm)
0.39 in. (10 mm)

MOUNTING CHANNEL
Recommended for all straight run applications. Sold by the foot, up to 39.37 in. / 1 m (same width & height as mounting clip)
(Part #: NLAMCHANNEL)

S-TYPE TRACK

0.39 in. (10 mm)
0.43 in. (10.8 mm)

Recommended for curved applications.
Sold by the foot, up to 39.37 in. / 1 m
(Part #: NLAMCHANNELS)

GEN LED acolyte® Architectural Lighting Solutions

WIRING DIAGRAMS

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

DMX in

LED Neon

Red +
Black -

Driver

L
N
G

DALI-2

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

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

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

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

Note: Temp. wires do not need to be used.

V + (Red)
V - (Black)

LED Neon

WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER

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

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

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

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

Note: Temp. wires do not need to be used.

V + (Red)
V - (Black)

LED Neon
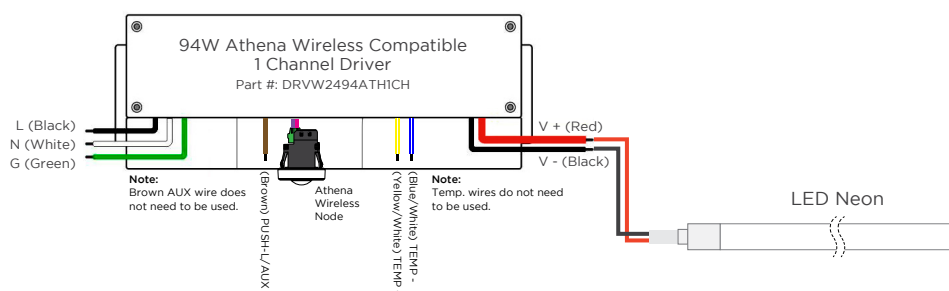
WIRE COLORS

STATIC WHITE & STATIC COLOR
Red Wire (+) Positive
Black Wire (-) Negative

REV.05AUG2025