NEON | Mini | Tunable White

NOVA FLEX



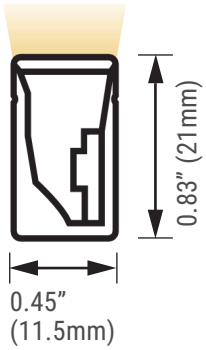
- Spec-grade, flexible, flat-top silicone side bend neon with a 2200K to 5700K tunable range
- Ideal size, shape and brightness for optimal design flexibility, indoors and outdoors
- Professional, custom-injection molded finishing
- Salt and UV / anti-yellowing resistant
- 5yr warranty, cULus listed, IK10 protection

Physical

IP Rating	IP68
Ambient Temp	-40°F to 131°F (-40°C to 55°C)
Mounting Options	Channels | Clips
Cut Length	3.28" (83.3mm); *this info is for reference only; product is not to be modified in the field*
Min. Bend Diameter (side bend)	4.72" (120mm)

Quality, Reliability, Safety

Warranty	5 years
CRI	80
Lumen Maintenance (TM-21 L70 projections based on light source LM80 data)	50,000 hrs
Certifications	cULus listed; IK10 protection



Electrical

Voltage	24V
Power	3.7W/ft
Max Run (adjusted for cut length)	25.69' (7.83M) Please note: when used for outdoor facades, we recommend limiting the runs to max 22.96' (7M)
Wire Quantity	2 wires
Lead Wire Options	3.28' (1M) or 9.84' (3M)
Jumper	11.81" (300mm)

Quick Links | For more information

Product page contains photometric files, installation guide, power and controls compatibility.

Please note, we can run specific configurations of light and channel in our gonio, with a five day lead-time. Please consult with your Nova Flex Sales rep.

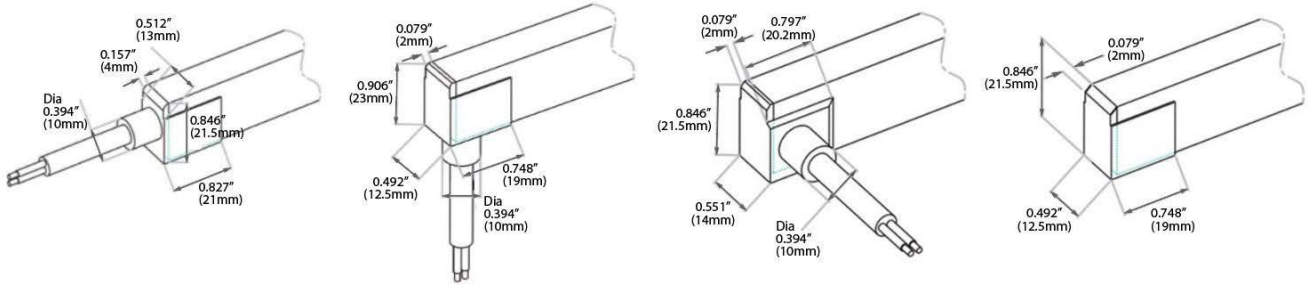
Product Overview: SKU, Lead Times & Performance Metrics

SKU	*CCT*	*Lead Time*	*Output Lm/Ft*	*Efficacy Lm/W*
NF-M2N-IP68-24V-TN-AIM	2200K - 5700K tunable	4-6 weeks	> 2200K: 43 > 5700K: 52	> 2200K: 11.6 >5700K: 14.1

Actual values can vary +/- 10%.

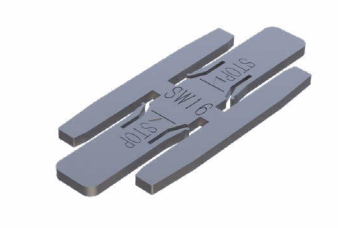
IP68 Front Connectors and End Cap

Side Bend

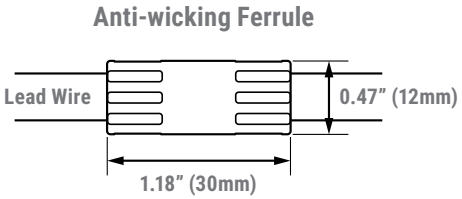


End Feed | Bottom Feed | Side Feed | End Cap

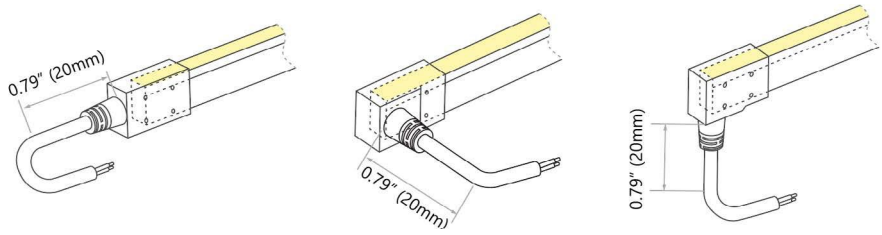
Compatible Channels

SKU	Dimensions	Mounting
NF-CH-NEON-M2N-SR-2M-SL 	width: 0.63” (15.9mm) height: 0.98” (24.8mm) length: 6.56’ (2M)	**Straight (Rigid) Aluminum Channel** • Includes pre-drilled holes and mounting screws. Use anchors if needed. • *See Installation Notes, next page*
NF-CH-NEON-M2N-SR-CLIP 	width: 0.63” (15.9mm) height: 0.98” (24.8mm) length: 0.79” (20.1mm)	**Clip** • For curves/shapes: place one clip near each end, then approximately every 6” (152.4mm). More clips may be needed to accomplish your desired shape / curve. • For straights: place one clip near each end, then approximately every 8” (203.2mm). • Includes pre-drilled hole and screw. Use anchor if needed. • See additional installation Notes, next page
NF-CH-NEON-NR/M2N-SPACER 		**Spacers (for use with rigid aluminum channel)** *Required for use outdoors* • *Keep 0.2” 50.mm) gap between channels to manage expansion/ contraction, especially on facades* • *Ensures vertical and horizontal alignment between channels to prevent damge to the fixture and to make the install process easier* *Strongly recommended for indoors* • *Ensures vertical and horizontal alignment between channels to prevent damage to the fixture, and to make the install process easier*
CH-NEON-BRKT-ROT 	width: 1.77” (45mm) height: 1.57” (40mm) length: .98” (25mm)	**Rotary Locking Bracket (for use with rigid aluminum channel)** • Includes screw(s) for mounting channel to bracket, and bracket to mounting surface. Use anchors if needed.
NF-CH-NEON-NR/M2N-BEND-SL-1M 	width: 0.63” (15.9mm) height: 0.98” (24.8mm) length: 3.28’ (1M)	Bendable Aluminum Channel • Includes pre-drilled holes and mounting screws. Use anchors if needed. • Minimum bend diameter with toothed side inwards: 9.84” (250mm) • Minimum bend diameter with toothed side outward: 4.72” (120mm) • 4-6 week lead time • See Installation Notes, next page
NF-CH-NEON-NR/M2N-FLNG-SR-2M-SL 	width (upper flange): 1” (25.5mm) width (lower flange): 0.63” (15.9mm) height: 0.98” (24.8mm) length: 6.56’ (2M)	Straight Rigid Flanged Aluminum Channel • Includes pre-drilled holes and mounting screws. Use anchors if needed. • 4-6 week lead time • See Installation Notes, next page

Installation Notes



Please note, this helps prevent water ingress into the fixture—do NOT cut off.



Please leave a 0.79" (20mm) straight on the lead wire before bending. Extreme tension on the lead-wire can cause breakage at the solder points.

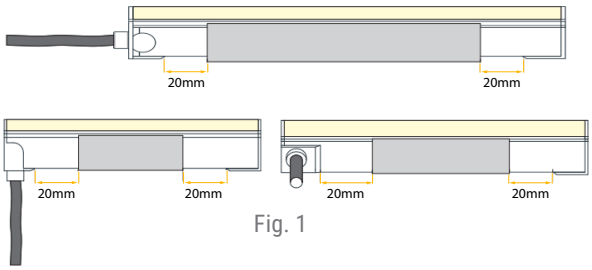


Fig. 1

For indoor installations:

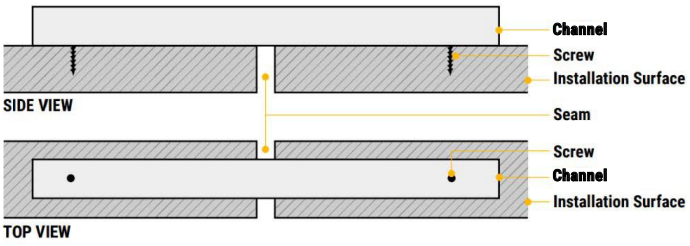
- Bottom-feed: for the lead-wire end, the bottom/edge of the channel can be notched on the end with the lead-wire (with drill bit), to allow clearance for the lead wire; in this case, the fixture can run to the end of the channel. If the channel isn't notched, please leave a 0.79"(20mm) gap from the inside edge of the lead wire to the edge of the channel, to allow proper clearance for the lead wire. The endcap end can rest inside the channel.
  - End-feed: the molded endcaps on each end can rest inside the channel
  - Left or right feed: please leave a 0.79"(20mm) gap from the inside edge of the lead wire to the edge of the channel, to allow proper clearance for the lead wire. The endcap end can rest inside the channel.

For outdoor installations:

- The molded endcaps on each end of the neon should rest outside the channel (see Fig. 1). Please leave a 0.79"(20mm) gap between the outside edge of the channel and the inside edge of the endcap, to allow for expansion and contraction.
- Additionally, please leave a 0.197" (5mm) gap between channels to allow for expansion and contraction, and ensure the channels are aligned vertically and horizontally. Nova spacer bracket part# NF-CH-NEON-NR/M2N-SPACER can be used to accomplish this.
- When mounting on outdoor facades, across joints/seams on the façade, use one of the following two methods:

Seam-mounting method 1

Ensure the mounting channel extends across the seam to protect the light.



Secure screws on both sides of the seams for added reliability.

Seam-mounting method 2

Match the light length to each segments.

