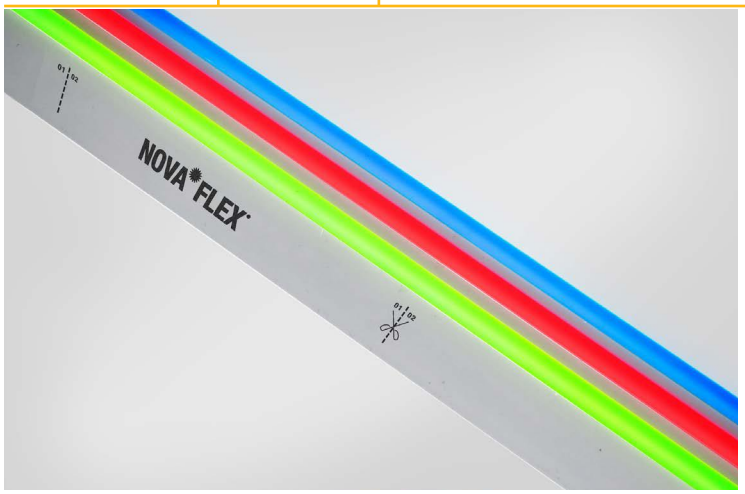
# NEON | Mini | RGBW

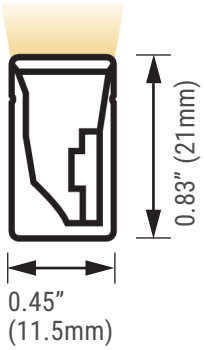
NOVA FLEX




- Spec-grade, flexible, flat-top silicone side bend neon in beautiful RGBW color output!
- 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** | IP67, IP68 |
| **Ambient Temp** | -40°F to 113°F (-40°C to 45°C) |
| **Mounting Options** | Channels \| Clips |
| **Cut Length** | 3.94" (100mm); *this info is for reference only; product is not to be modified in the field* |
| **Min. Bend Diameter** (side bend) | 4.72" (120mm) |
| **Dimensions** | *See Below* |




## Quality, Reliability, Safety

| | |
|---|---|
| **Warranty** | 5 years |
| **Lumen Maintenance** (TM-21 L70 projections based on light source LM80 data) | N/A |
| **Certifications** | cULus listed; IK10 protection |

## Electrical

| | |
|---|---|
| **Voltage** | 24V |
| **Power** | 4.6W/ft |
| **Max Run** (adjusted for cut length) | 20.69' (6.3M) |
| **Wire Quantity** | 5 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: SKUs, Lead Time & Performance Metrics

### IP67

| SKU | CCT | Lead Time | Red Lm/Ft | Green Lm/Ft | Blue Lm/Ft | White Lm/Ft |
|---|---|---|---|---|---|---|
| NF-M2N-IP67-24V-27K-RGBW | 2700K | Quick ship | 15 | 37 | 8 | 37 |
| NF-M2N-IP67-24V-30K-RGBW | 3000K | Quick ship | 15 | 37 | 8 | 37 |
| NF-M2N-IP67-24V-40K-RGBW | 4000K | Quick ship | 15 | 37 | 8 | 37 |

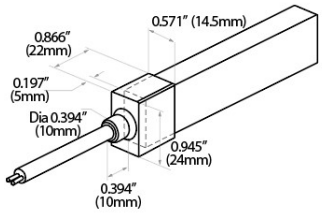
### IP68

| SKU | CCT | Lead Time | Red Lm/Ft | Green Lm/Ft | Blue Lm/Ft | White Lm/Ft |
|---|---|---|---|---|---|---|
| NF-M2N-IP68-24V-27K-RGBW-AIM | 2700K | 4-6 weeks | 15 | 37 | 8 | 37 |
| NF-M2N-IP68-24V-30K-RGBW-AIM | 3000K | 4-6 weeks | 15 | 37 | 8 | 37 |
| NF-M2N-IP68-24V-40K-RGBW-AIM | 4000K | 4-6 weeks | 15 | 37 | 8 | 37 |

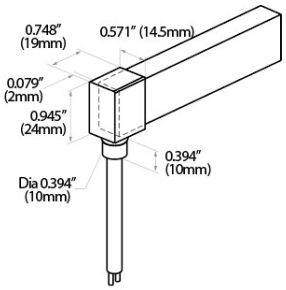
*Actual values can vary +/- 10%.*

## IP67 Front Connectors and End Cap

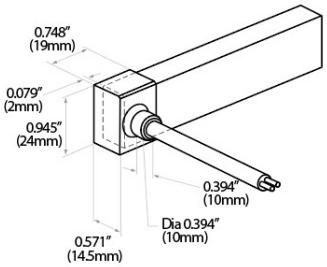
**Side Bend**



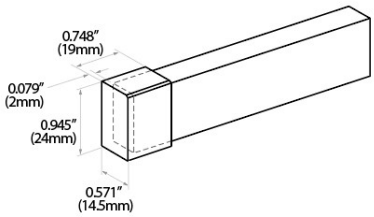

End Feed




Bottom Feed



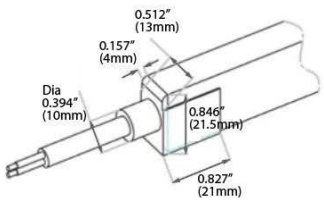

Side Feed



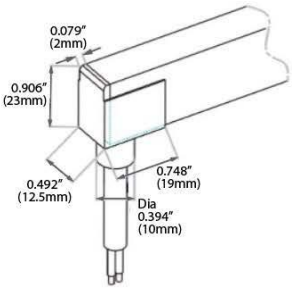

End Cap

## IP68 Front Connectors and End Cap

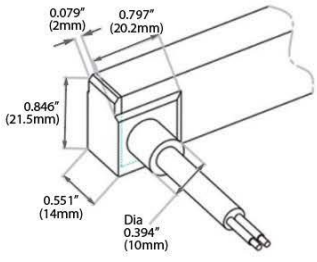
**Side Bend**



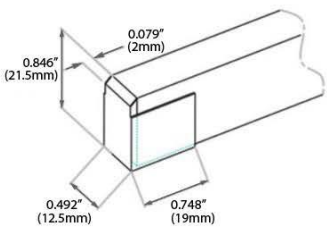

End Feed




Bottom Feed

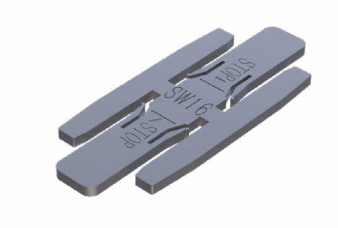



Side Feed



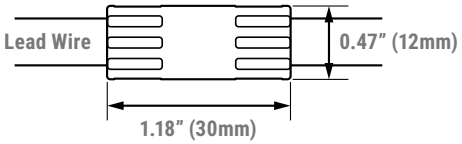

End Cap

## Compatible Channels

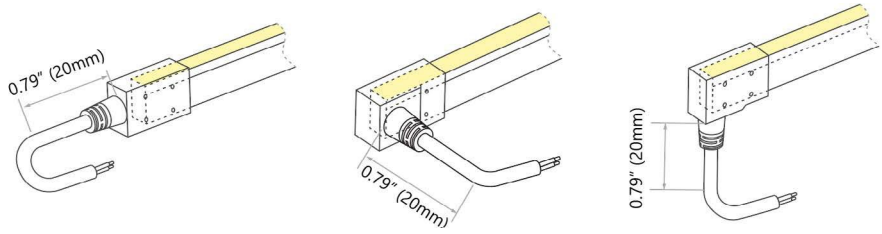
| SKU | Dimensions | Mounting |
|---|---|---|
| NF-CH-NEON-M2N-SR-2M-SL  | width: 0.63” (15.9mm)<br>height: 0.98” (24.8mm)<br>length: 6.56’ (2M) | **Straight (Rigid) Aluminum Channel**<br>• Includes pre-drilled holes and mounting screws. Use anchors if needed.<br>• *See Installation Notes, next page*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

## Installation Notes

### Anti-wicking Ferrule




*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.*

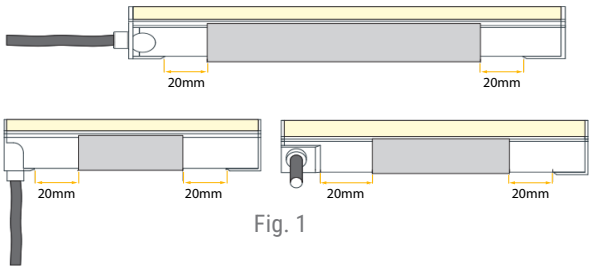



Fig. 1

**For indoor installations:**

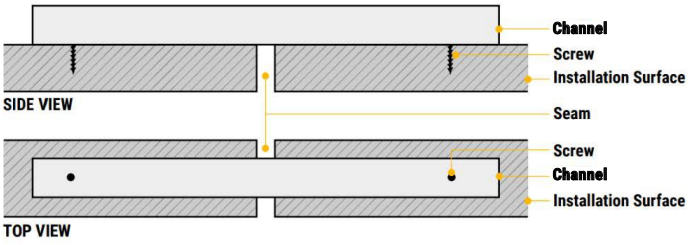
- The molded endcaps on each end of the IP67 neon should rest outside the channel.
- For IP68:
  - Bottom-feed: for the lead-wire end, the bottom/edge of the channel can be notched on the end with the lead-wire (with drill bit), to allow clearance for the lead wire; in this case, the fixture can run 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 IP67 and IP68 neons 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.

