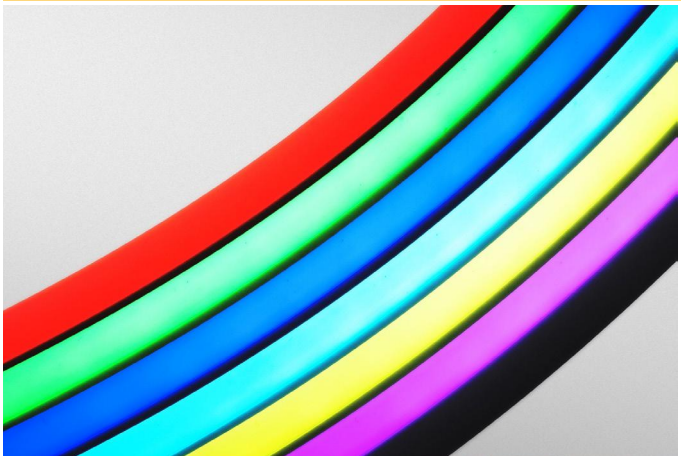
NEON | Round | RGBW

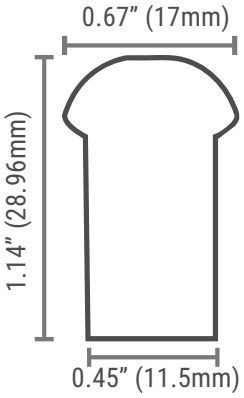
NOVA FLEX



This is a spec-grade indoor/outdoor flexible silicone RGBW neon that showcases a modern, energy-efficient way to achieve a classic, attention-grabbing neon look. Round top, side-bend with exceptional, custom-injection molded finishing. Salt and UV resistant (anti-yellowing).

Physical

IP Rating	IP67 and IP68
Ambient Temp	-40° to 113°F (-40° to 45°C)
Mounting Options	Channels | Clips
Cut Length	3.94" (100.33mm) *(this info is for reference only; product is not to be modified in the field)*
Min. Bend Diameter (side bend)	4.72" (119.9mm)
Dimensions	*See Below*



Quality, Reliability, Safety

Warranty	5 years
Lumen Maintenance (TM-21 L70 projections based on light source LM80 data)	NA
Certifications	cULus listed IK10 protection

Electrical

Voltage	24V
Power	4.6 W/ft
Max Run Length (adjusted for cut length)	20.69' (6.3M)
Wire Qty	5 wires
Leads Wire Options	1M or 3M
Jumper	11.81" (300mm)

Product SKUs	Lead time	Output Lm/Ft			
		Red	Green	Blue	White
NF-NR-IP67-24V-27K-RGBW	Quick ship	15	37	8	27
NF-NR-IP68-24V-27K-RGBW-AIM	4-6 weeks	15	37	8	27
NF-NR-IP67-24V-30K-RGBW	Quick ship	15	37	8	30
NF-NR-IP68-24V-30K-RGBW-AIM	4-6 weeks	15	37	8	30
NF-NR-IP67-24V-40K-RGBW	Quick ship	15	37	8	40
NF-NR-IP68-24V-40K-RGBW-AIM	4-6 weeks	15	37	8	40

Actual values can vary +/- 10%.

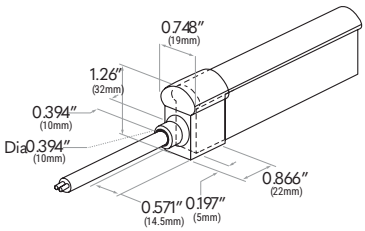
Quick Links | For more information

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

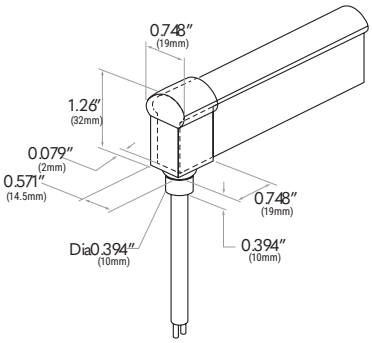
Note: We can run specific configurations of light & channel in our gonio, with a 5-day lead time. Please consult with your Nova Flex Sales rep.

IP67 Injection Molded Front Connectors And End Cap

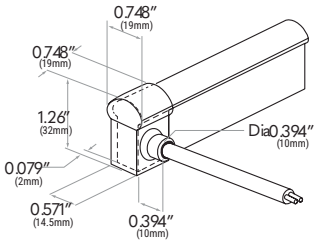
End Feed



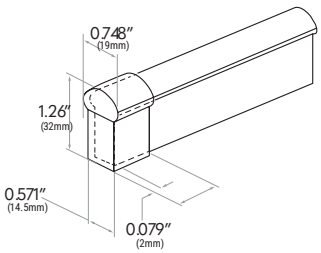
Bottom FeedS



ide Feed

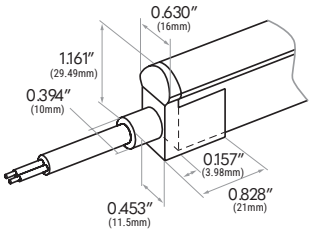


End Cap



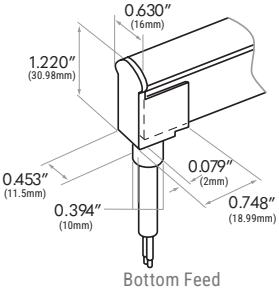
IP68 Injection Molded Front Connectors And End Cap

End Feed



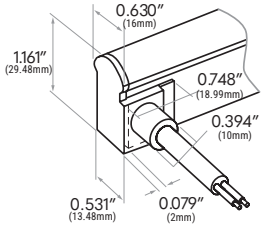
End Feed

Bottom Feed



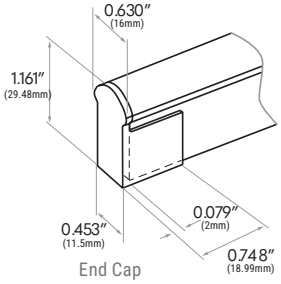
Bottom Feed

Side Feed



Side Feed

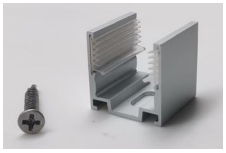
End Cap



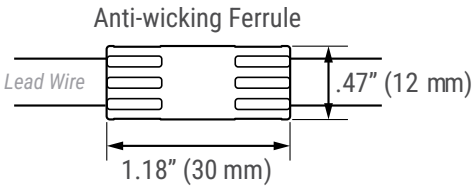
End Cap

Tolerance +/- 0.02 inches/.51mm

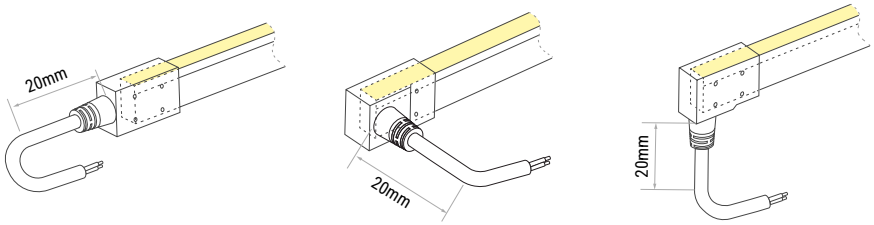
Mounting Options

	SKU	Dimensions	Mounting
	NF-CH-NEON-ROUND-SR-2M-SL	width: 0.63” (15.9mm) height: 0.976” (24.8mm) length: 6.56’ (2M)	**Straight (Rigid) Aluminum Profile** Each 2M/6.56’ section of channel has ten pre-drilled holes and includes ten screws. Use anchors if needed. • *See Installation Notes, next page*
	NF-CH-NEON-ROUND-SR-CLIP	width: 0.63” (15.9mm) height: 0.976” (24.8mm) length: 0.79” (20.0mm)	**Silver Aluminum Clip** Each clip has pre-drilled holes and includes one screw. Always use one clip near each end of the run (leave a .79”/20mm gap between the outside edge of the clip and ine inside edge of each endcap); we generally recommend 7-10 clips per 3.3’/1.01M. • For ceiling installs, we recommend ten clips. More may be needed if shaping/curving the neon. • For straight runs on walls, we recommend seven clips. More may be needed if shaping/curving the neon. • *See Installation Notes, next page*
	NF-CH-NEON-NR/M2N-SPACER		**Spacers (for use with rigid aluminum profile)** ***Required for use outdoors*** • *Keeps .197”/5mm gap between channels to manage expansion/expansion, especially on facades* • *Ensures vertical and horizontal alignment between channels to prevent damage to the fixture, and to make the install process easier* ***Strongly recommended for use 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 profile)** • 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: .625” (15.9mm) height: .976” (24.8mm) length: 3.28’ (1M)	**Bendable Aluminum Profile** • Includes pre-drilled holes and mounting screws. Use anchors if needed. • Minimum bend diameter with toothed side inwards: 7.87”/200mm • 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 (bottom): .63” (15.9mm) height: .976” (24.8mm) length: 6.56’ (2M)	**Straight (Rigid) Aluminum Profile w/Flange** Each 2M/6.56’ section of channel has ten pre-drilled holes and includes ten 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 .79"/20mm straight on the lead wire before bending. Extreme tension on the lead-wire can cause breakage at the solder points.

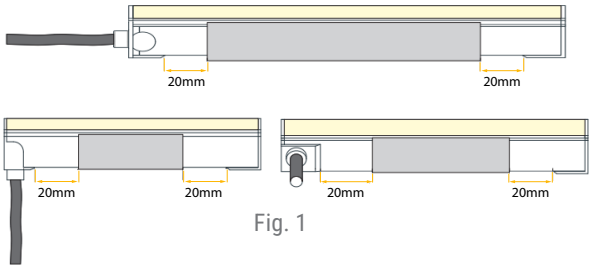


Fig. 1

For indoor installations:

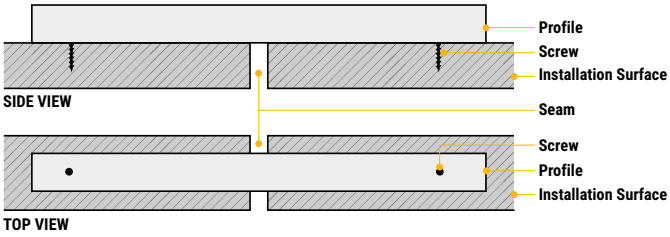
- The molded endcaps on each end of the IP67 neon should rest outside the channel
- For IP68:
  - Bottom-feed: for the lead-wire end, the bottom/edge of the channel can be notched on the end with the lead-wire (with drill bit), to allow clearance for the lead wire; in this case, the fixture can run to the end of the channel. If the channel isn't notched, please leave a .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 .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 .79"/20mm gap between the outside edge of the profile and the inside edge of the endcap, to allow for expansion and contraction.
- Additionally, please leave a .197"/5mm gap between profiles to allow for expansion and contraction, and ensure the profiles are aligned vertically and horizontally. Nova spacer bracket part# NF-CH-NEON-NR/M2N-SPACER must 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 profile 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.

