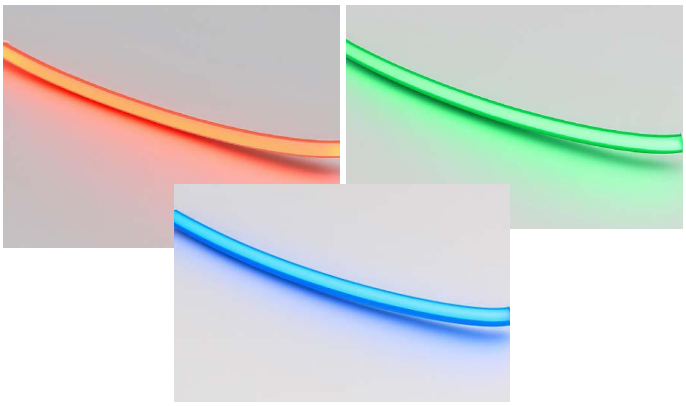
NEON | RGB | Side & Top Bend

NOVA FLEX



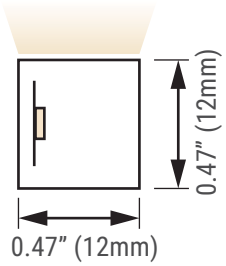
Quality, economical RGB neon with custom injection-molded finishing. A great choice for your color changing neon needs. When budget is a priority, this product delivers the following:

- Available in side and top bends
- IP67
- IK10 protection
- High-grade silicone grade provides very good resistance to UV, and a matte finish to repel dust and dirt

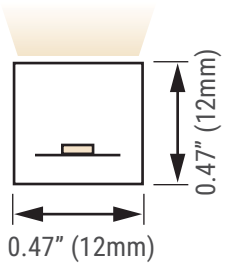
Physical

Environment	IP67
Ambient Temp	-40° to 149°F (-40° to 65°C)
Mounting Options	Channels | Clips
Cut Length	1.97" (50mm)
Min. Bend Diameter (top and side bend)	3.94" (100mm)
Dimensions	*See Below*

Side Bend



Top Bend



Quality, Reliability, Safety

Warranty	3 years
Lumen Maintenance (TM-21 L70 projections based on light source LM80 data)	N/A
Certifications	cULus listed IK10 Protection

Electrical

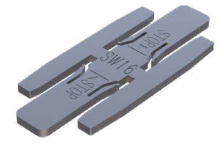
Voltage	24V
Power	1.83w/ft
Max Run Length (adjusted for cut length)	52.3' (15.94M); when used for outdoor facades, we recommend limiting the runs to max 7M / 22.96'
Wire Qty	4 wires
Leads (left, right, bottom, end feed)	1M or 3M
Jumper	11.81" (300mm)

Product SKUs	Lead time	Output		
		Red	**Green**	**Blue**
NSQS-24V-SB-IP67-RGB	5-7 weeks	15	47	9
NSQS-24V-TB-IP67-RGB	5-7 weeks	19	61	12
		Actual values can vary +/- 10%.		

Quick Links | For more information

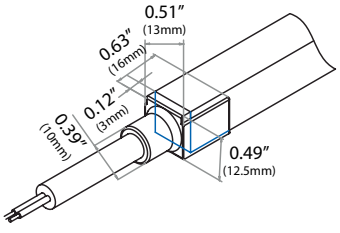
Product page contains photometric files, installation guide, power and controls compatibility.

Mounting Options

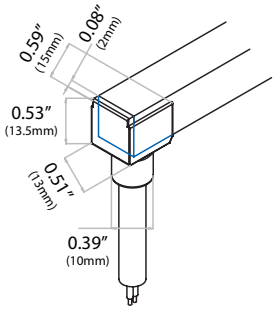
	SKU	Dimensions	Mounting
	CH-NSQS-RGB-2M-SL	width: .63” (16.1mm) height: .82” (16mm) length: 78.74” (2M)	**Straight (Rigid) Aluminum Channel (for use with side and top bends)** • Includes pre-drilled holes and mounting screws. Use anchors if needed. • *See Installation Notes, next page*
	CH-NSQS-RGB-20mm-SL	width: .63” (16.1mm) height: .82” (16mm) length: .79” (20mm)	**Silver Aluminum Clip (for use with side and top bends)** • 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 Installation Notes, next page*
	CH-NSQS-RGB-Spacer		**Spacers (for use with rigid aluminum channel)** **Required for use outdoors:** • Keep 0.2” (5mm) gap between channels to manage expansion/contraction, 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 • *See Installation Notes, next page*
	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.

IP67 Injection Molded Front Connectors and End Cap

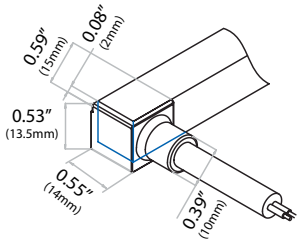
Side & Top Bend



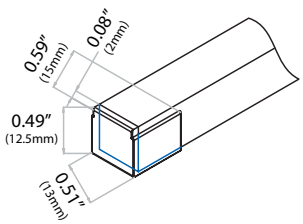
End Feed



Bottom Feed

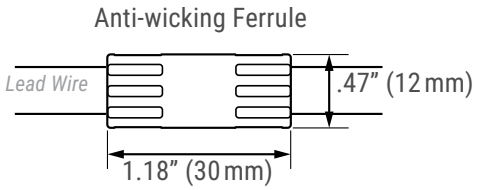


Side Feed

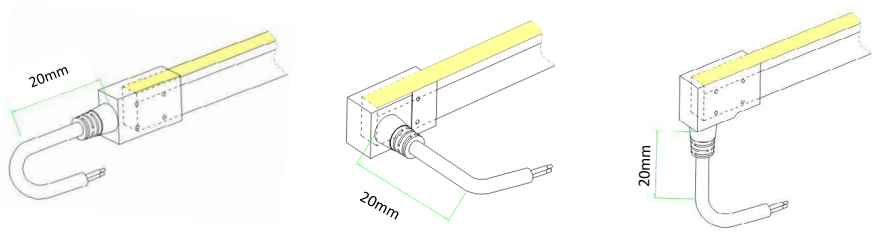


End Cap

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.

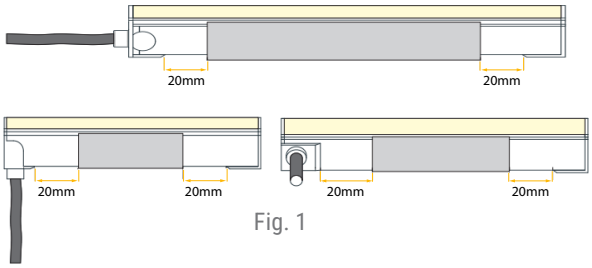


Fig. 1

For indoor installations:

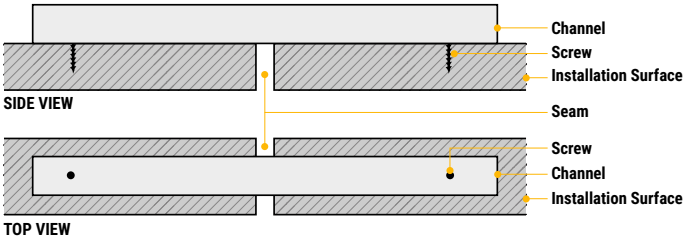
- The molded endcaps on each end of the neon can rest inside the channel.
- Regarding the lead wire end:
  - Bottom-feed: for the lead-wire end, the bottom/edge of the channel can be notched on the end with the lead-wire (with drill bit), to allow clearance for the lead wire; in this case, the fixture 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 neon should rest outside the channel (see Fig. 1). Please leave a .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 .2" (5mm) gap between channels to allow for expansion and contraction, and ensure the channels are aligned vertically and horizontally. Nova Flex spacer bracket part #CH-NSQS-RGB-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.

