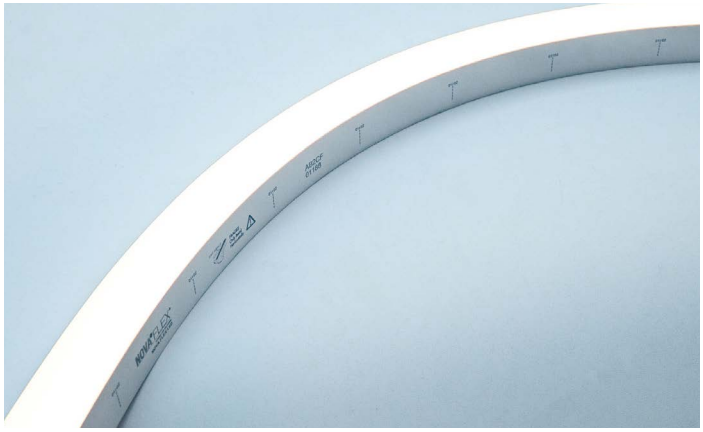
NEON | High Output | Static White

NOVA FLEX



High-output neon overcomes the biggest limitation of standard neon by delivering notably higher output, expanding where and how it can be used. Available in both side and top bend, it integrates easily into complex designs. With output comparable to many tape light options but far more shapeable, it's ideal for high-impact accents and serves as a flexible alternative to tape in rigid channel.

- Output up to 503L/ft
- Available in both side and top bends, enabling greater design flexibility
- 5yr warranty
- cULus listed

Physical

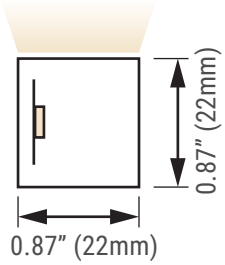
Environment	IP67, IP68
Mounting Options	Channels | Clips
Ambient Temp	-40° to 113°F (-40° to 45°C)
Cut Length	2.20" (56mm)
Min. Bend Diameter (side and top bends)	11.8" (300mm)
Dimensions	*See Below*

Quality, Reliability, Safety

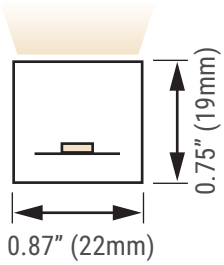
Lumen Maintenance (TM-21 L70 projections based on light source LM80 data)	50,000 hrs
Warranty	5 years
Certifications	cULus listed; IK10 protection

c UL us LISTED E366167

Side Bend



Top Bend



Electrical

Voltage	24V
Power	Side bend: 5.5W/ft Top Bend: 5.0W/ft, 5.5W/ft
Max Run (adjusted for cut length)	Side and Top Bend 5.5W/ft: 17.3' (5.27M) Top Bend 5W/ft: 19.1' (5.82M)
Wire Quantity	2 wires
Lead Options	1M or 3M
Jumper	300mm

Quick Links | For more information

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

Static White Output

SIDE BEND (5.5W/Ft)			Output	Efficacy
Product SKUs	*CCT*	*Lead Time*	*Lm/Ft*	*Lm/W*
NSQS-HO-24V-SB-IP68-22K-AIM	2200K	4-6 WEEKS	366	67
NSQS-HO-24V-SB-IP67-27K	2700K	Quick ship	366	67
NSQS-HO-24V-SB-IP68-27K-AIM	2700K	4-6 WEEKS	366	67
NSQS-HO-24V-SB-IP67-30K	3000K	Quick ship	396	72
NSQS-HO-24V-SB-IP68-30K-AIM	3000K	4-6 WEEKS	396	72
NSQS-HO-24V-SB-IP67-35K	3500K	Quick ship	396	72
NSQS-HO-24V-SB-IP68-35K-AIM	3500K	4-6 WEEKS	396	72
NSQS-HO-24V-SB-IP68-40K-AIM	4000K	4-6 WEEKS	396	72
NSQS-HO-24V-SB-IP68-57K-AIM	5700K	4-6 WEEKS	396	72

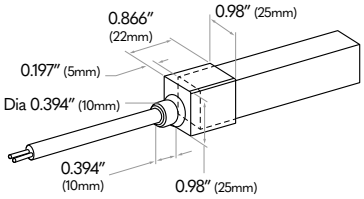
TOP BEND (5W/Ft)			Output	Efficacy
Product SKUs	*CCT*	*Lead Time*	*Lm/Ft*	*Lm/W*
NSQS-HO-24V-5.0-TB-IP68-22K-AIM	2200K	4-6 WEEKS	366	73
NSQS-HO-24V-5.0-TB-IP67-27K	2700K	Quick ship	396	79
NSQS-HO-24V-5.0-TB-IP68-27K-AIM	2700K	4-6 WEEKS	396	79
NSQS-HO-24V-5.0-TB-IP67-30K	3000K	Quick ship	396	79
NSQS-HO-24V-5.0-TB-IP68-30K-AIM	3000K	4-6 WEEKS	396	79
NSQS-HO-24V-5.0-TB-IP67-35K	3500K	Quick ship	396	79
NSQS-HO-24V-5.0-TB-IP68-35K-AIM	3000K	4-6 WEEKS	396	79
NSQS-HO-24V-5.0-TB-IP68-40K-AIM	4000K	4-6 WEEKS	396	79
NSQS-HO-24V-5.0-TB-IP68-57K-AIM	5700K	4-6 WEEKS	396	79

TOP BEND (5.5W/Ft)			Output	Efficacy
Product SKUs	*CCT*	*Lead Time*	*Lm/Ft*	*Lm/W*
NSQS-HO-24V-5.5-TB-IP68-22K-AIM	2200K	4-6 WEEKS	427	78
NSQS-HO-24V-5.5-TB-IP68-27K-AIM	2700K	4-6 WEEKS	473	86
NSQS-HO-24V-5.5-TB-IP68-30K-AIM	3000K	4-6 WEEKS	473	86
NSQS-HO-24V-5.5-TB-IP68-35K-AIM	3500K	4-6 WEEKS	503	92
NSQS-HO-24V-5.5-TB-IP68-40K-AIM	4000K	4-6 WEEKS	503	92
NSQS-HO-24V-5.5-TB-IP68-57K-AIM	5700K	4-6 WEEKS	503	92

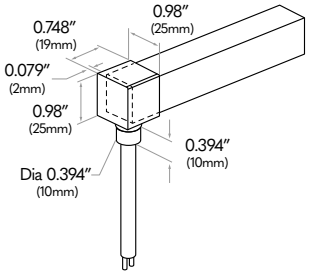
Actual values can vary +/- 10%.

IP67 Injection Molded Front Connectors and End Cap

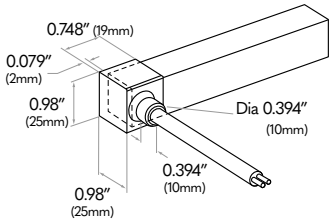
Side Bend



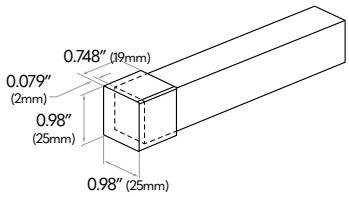
End Feed



Bottom Feed

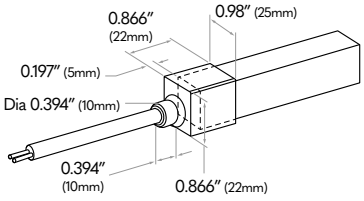


Side Feed

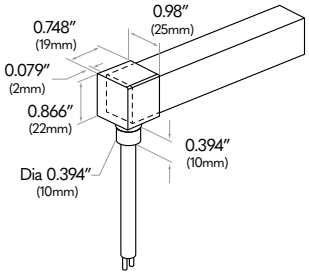


End Cap

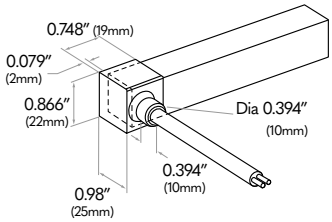
Top Bend



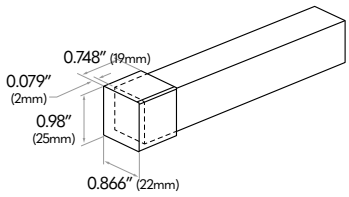
End Feed



Bottom Feed



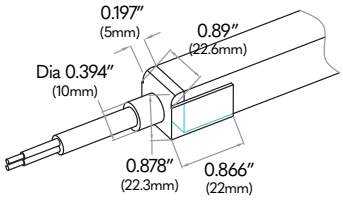
Side Feed



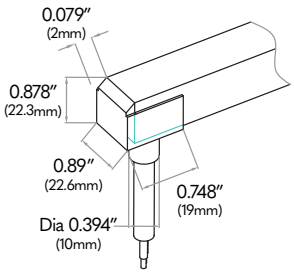
End Cap

IP68 Injection Molded Front Connectors and End Cap

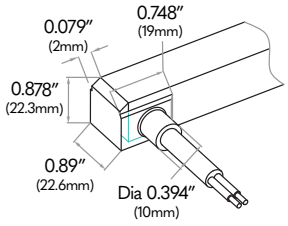
Side Bend



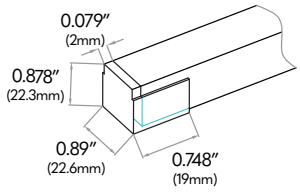
End Feed



Bottom Feed

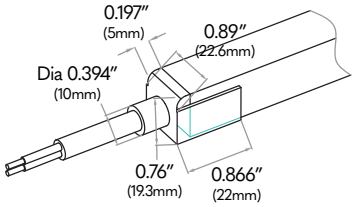


Side Feed

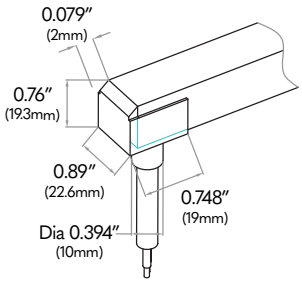


End Cap

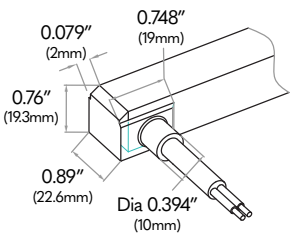
Top Bend



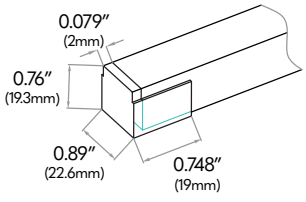
End Feed



Bottom Feed

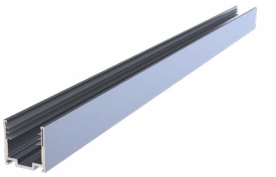
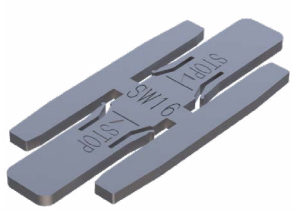
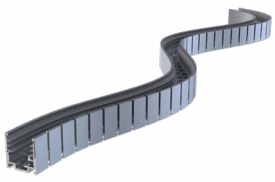


Side Feed

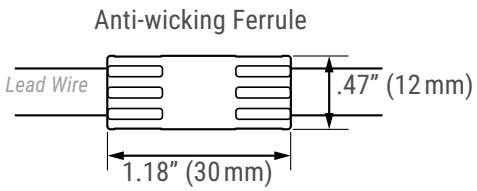


End Cap

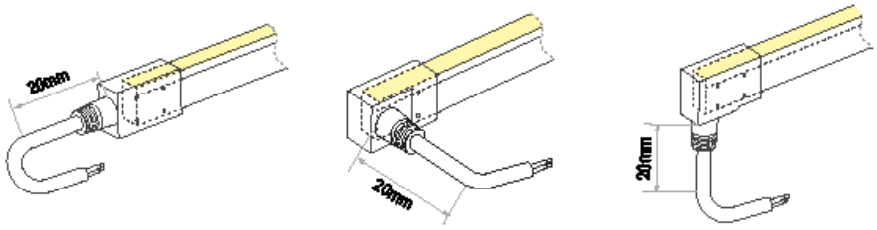
Mounting Options

	SKU	Dimensions	Mounting
	CH-NSQS-HO-SB-2M-SL	width: 1.05” (26.6mm) height: 1.04” (26.5mm) length: 78.74” (2M)	**Straight (Rigid) Aluminum Channel (for use with Side Bend)** • Includes pre-drilled holes and mounting screws. Use anchors if needed. • *See Installation Notes, next page*
	CH-NSQS-HO-TB-2M-SL	width: 1.05” (26.6mm) height: 1.04” (26.5mm) length: 78.74” (2M)	**Straight (Rigid) Aluminum Channel (for use with Top Bend)** • Includes pre-drilled holes and mounting screws. Use anchors if needed. • *See Installation Notes, next page*
	CH-NSQS-HO-SB-20mm-SL CH-NSQS-HO-TB-20mm-SL	width: 1.05” (26.6mm) height: 1.04” (26.5mm) length: .79” (20mm)	**Clips** **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 apptroximately every 8” (203.2mm). • Includes pre-drilled hole and screw. Use anchor if needed.
	CH-NSQS-HO-TB/SB-SP		**Spacers (for use with rigid aluminum channels)** **Required for use outdoors** • Keeps 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
	CH-NEON-BRKT-ROT	width: 1.77” (45mm) height: 1.57” (40mm) length: .98” (25mm)	**Rotary Locking Bracket** • Includes screw(s) for mounting channel to bracket, and bracket to mounting surface. Use anchors if needed. • Compatible with all channel options.
	CH-NSQS-HO-SB-1M-SL-BEND	width: 1.05” (26.6mm) height: 1.04” (26.5mm) length: 39.37” (1M) **4-6 week lead-time*	**Bendable Aluminum Channel (for use with Side Bend)** • Includes pre-drilled holes and mounting screws. Use anchors if needed. • Minimum bend diameter 16.9” (430mm) toothed side inwards, 15.7” (400mm) toothed side outwards. • *See Installation Notes, next page*

Installation Notes



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



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

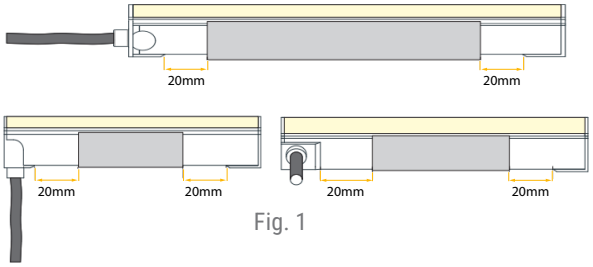


Fig. 1

For indoor installations:

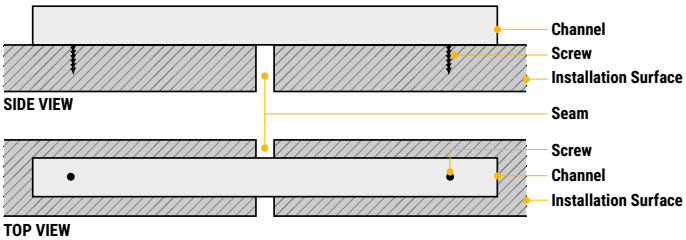
- The molded endcaps on each end of the IP67 neon should rest outside the channel.
- For IP68:
  - Bottom-feed: for the lead-wire end, the bottom/edge of the channel can be notched on the end with the lead-wire (with drill bit), to allow clearance for the lead wire; in this case, the fixture can run to the end of the channel. If the channel isn't notched, please leave a 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 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 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 5mm gap between channels to allow for expansion and contraction, and ensure the channels are aligned vertically and horizontally. Nova spacer bracket part# CH-NSQS-HO-TB/SB-SP 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 segment.

