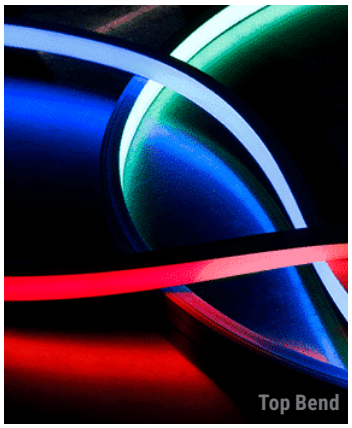
NEON | 120V | Static Color

NOVA FLEX





- Dimmable, architectural grade 120V neon, available in both side and top bend, and five static colors
- No external drivers required
- Great for lighting long runs up to 164 feet
- Indoor and outdoor use, UV resistant
- ETL listed with hardware or plug
- Over voltage, over current, and over temperature protection
- Professional, streamlined custom-finish

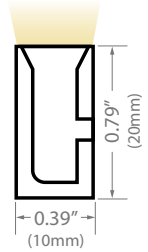
Physical

IP Rating	IP65
Ambient Temp	-4°F to 113°F (-20°C to 45°C)
Mounting Options	Channels | Clips
Cut Length	12" (304.8mm); *this info is for reference only; product is not to be modified in the field*
Min. Bend Diameter	4.72" (120mm), side bend 6.3" (160mm), top bend
Dimensions	*See Below*

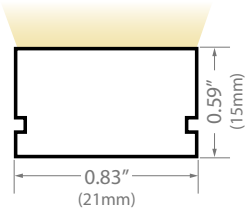
Quality, Reliability, Safety

***Warranty**	5 years indoor 3 years outdoor *Warranties are reduced by one year if used 16+ hours daily
Lumen Maintenance (TM-21 L70 projections based on light source LM80 data)	N/A
Certifications	ETL listed

Side Bend



Top Bend



Electrical

Voltage	120V AC
Power	3.0W/ft
Max Run (adjusted for cut length)	164' (50M)
Wire Quantity	2 wires
Lead Wire and Jumper Options	1.64' (0.5M) or 4.92' (1.5M)
Dimming	Phase-cut Triac Take care not to exceed the dimmer's power rating Compatible dimmers include: Lutron DVCL-153P (max 133') Lutron DVELV-300P (max 66') Lutron DVLV-10P (up to 164')

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.

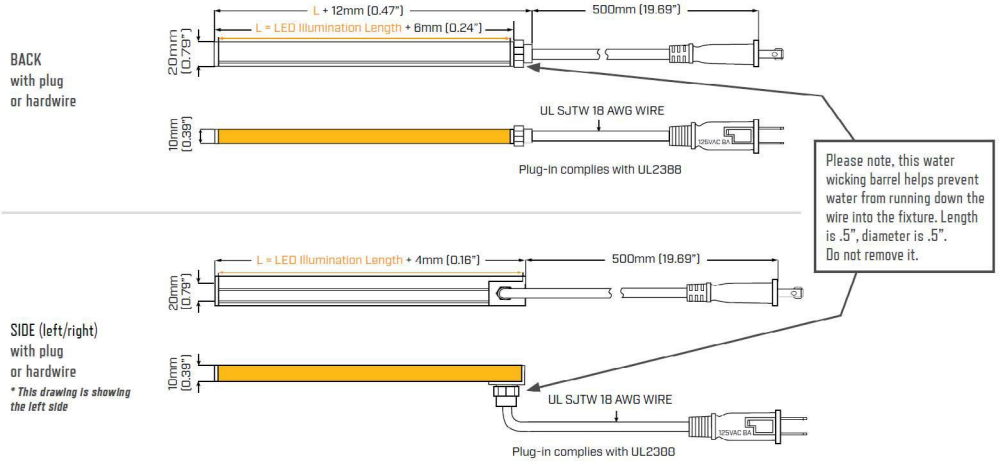
Side Bend

Product Overview: SKUs, Lead Times & Performance Metrics

SKU's	*Lead Time*	*Output Lm/Ft*
NF-NEON-IP65-120V-SB-R	4-7 weeks	14
NF-NEON-IP65-120V-SB-G	4-7 weeks	83
NF-NEON-IP65-120V-SB-B	4-7 weeks	10
NF-NEON-IP65-120V-SB-A	4-7 weeks	57
NF-NEON-IP65-120V-SB-P	4-7 weeks	47

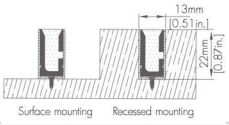
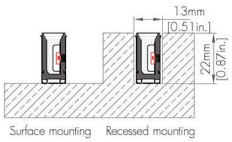
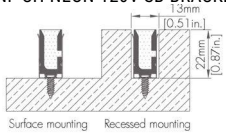
Actual values can vary +/- 10%.

IP65 Front Connectors and End Cap



Compatible Channels

Lead-time for all mounting components is 4-7 weeks

	SKU	Dimensions	Mounting
	NF-CH-NEON-120V-SB-1M 	width: 0.51" (12.9mm) height: 0.87" (22.1mm) length: 3.28' (1M)	**Silver Rigid Aluminum Channel** • 1 screw every 18" (comes with pre-drilled holes) • To secure neon, press into channel using even pressure, working from one end to the other • *See Installation Notes, next page*
	NF-CH-NEON-120V-SB-FLEX 	width: 0.51" (12.9mm) height: 0.87" (22.1mm) length: 32.8' (10M roll)	**Bendable Aluminum Channel** • To secure, screws can be installed in gaps at bottom/base of channel as needed. Screws can be installed on straight runs and on inside edges of curved runs. • Please note: screws will not fit on outside edge because gaps will be too big. • To secure neon, press into channel using even pressure, working from one end to the other • *See Installation Notes, next page*
	NF-CH-NEON-120V-SB-CLIP 	width (w/flanges): 1.25" (31.8mm) height: 0.88" (22.4mm) length: 0.56" (14.2mm)	**Clear PC Clip** • 1 clip every 18" • Mounts over top/lens of neon • *2 clips and screw sets/pack* • *See Installation Notes, next page*
	NF-CH-NEON-120V-SB-BRACKET 	width: 0.39" (9.9mm) height: 0.79" (20.1mm) length: 0.72 (18.3mm)	**White Aluminum Clip** • 1 clip every 18" • Mounts on bottom of neon • *2 clips and screws/pack* • *See Installation Notes, next page*

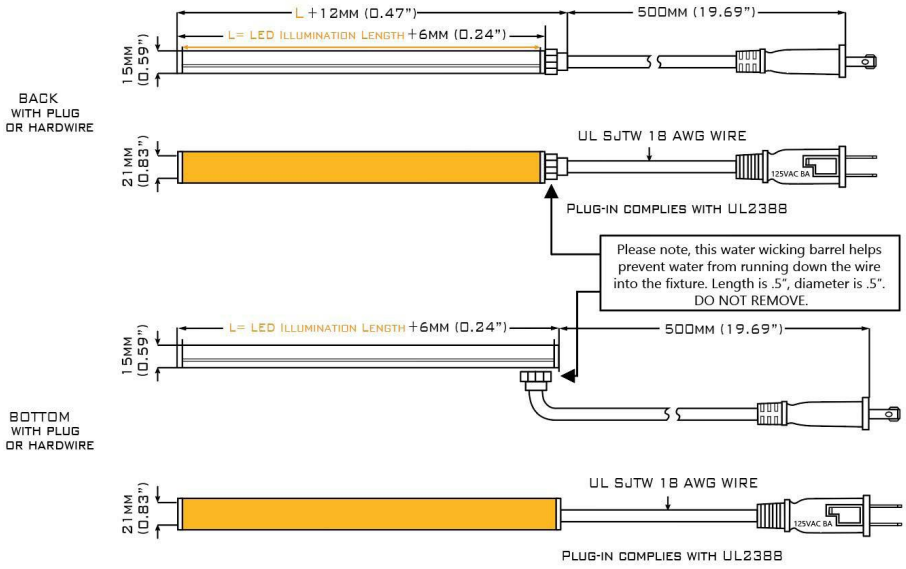
Top Bend

Product Overview: SKUs, Lead Times & Performance Metrics

SKU's	*Lead Time*	*Output Lm/Ft*
NF-NEON-IP65-120V-TB-R	4-7 weeks	28
NF-NEON-IP65-120V-TB-G	4-7 weeks	175
NF-NEON-IP65-120V-TB-B	4-7 weeks	20
NF-NEON-IP65-120V-TB-A	4-7 weeks	118
NF-NEON-IP65-120V-TB-P	4-7 weeks	98

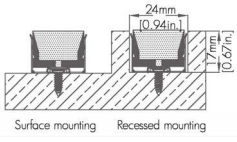
Actual values can vary +/- 10%.

IP65 Front Connectors and End Cap

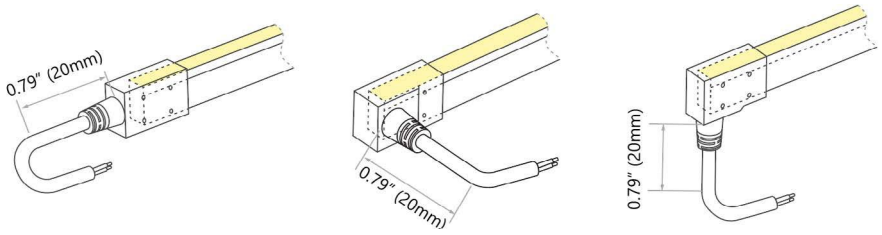


Compatible Channels

Lead-time for all mounting components is 4-7 weeks

	SKU	Dimensions	Mounting
	NF-CH-NEON-120V-TB-1M 	width at base: 0.97" (24.6mm) width (w/flanges): 1.16" (29.5mm) height: 0.44" (11.2mm) length: 3.28' (1M)	**Silver Rigid Aluminum Channel** • 1 screw every 18" (comes with pre-drilled holes) • We recommend and using the white overlay clips for ceiling installs when neon light is facing down, and for all outdoor installs • Clips snap over neon into side grooves • To secure neon, press into channel using even pressure, working from one end to the other. • *See Installation Notes, next page*
	NF-CH-NEON-120V-TB-CLIP 	width (w/flanges): 1.69" (42.9mm) height: 0.59" (15mm) length: 0.57" (14.5mm)	**Clear PC Clip** • 1 clip every 18" • Mounts over top/lens of neon • *2 clip and screw sets/pack* • *See Installation Notes, next page*
	NF-CH-NEON-120V-TB-BRACKET 	width: 0.94" (24mm) height: 0.67" (17mm) length: 1.19" (30.2mm)	**Silver Aluminum Clip** • 1 clip every 18" • Mounts on bottom of neon • *2 clips and screws/pack* • *See Installation Notes, next page*

Installation Notes



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.

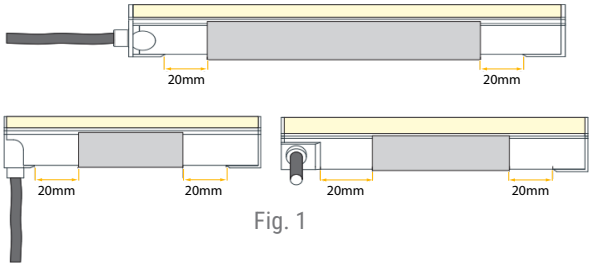


Fig. 1

For indoor installations:

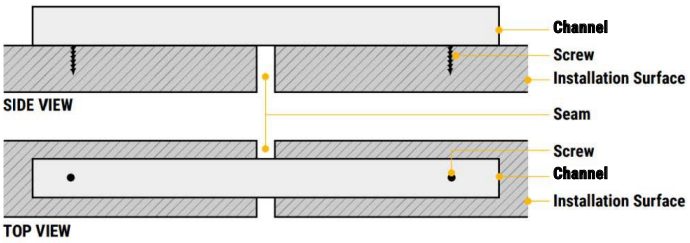
- Endcaps on the non-wired end of the neon will rest inside the channel.
- On the wired end, endcaps with SIDE (left/right) lead wires will rest outside the channel; endcaps with BACK lead wires can rest inside the channel.

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. When mounting on outdoor facades, across joints/seams on the façade, use one of the following two methods:

Seam-mounting method 1

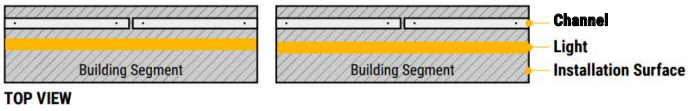
Ensure the mounting channel extends across the seam to protect the light.



Secure screws on both sides of the seams for added reliability

Seam-mounting method 2

Match the light length to each segments.

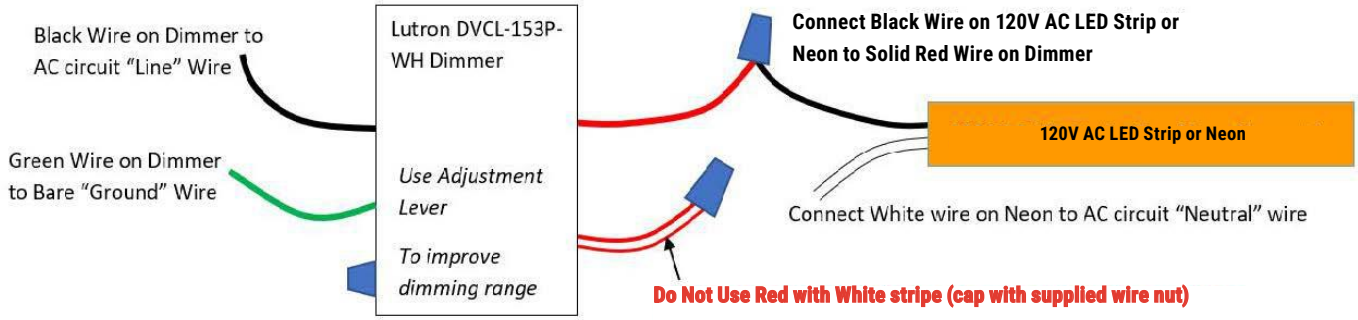


Compatible Dimmers are Listed Below

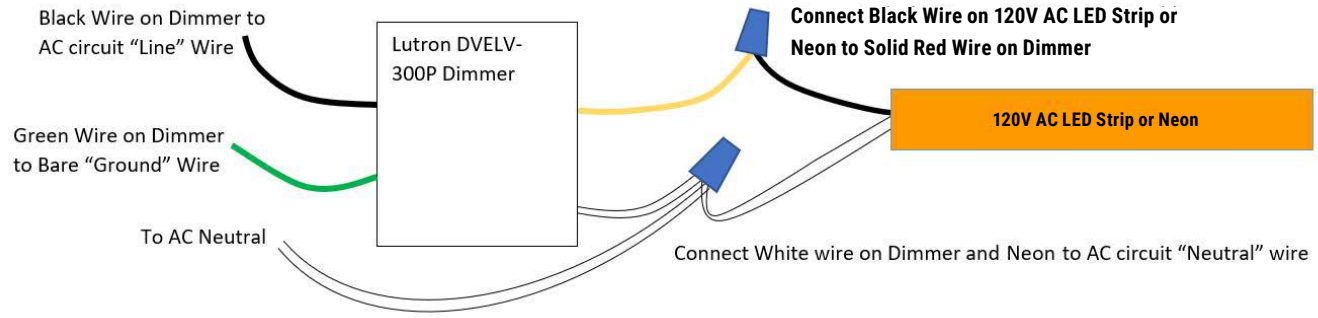
NOTES:

- **Use only with hardwire installation**
- **Do NOT install dimmer to control outlets / plug-in receptacles or use with other loads**
- **Follow all notes in the install guide supplied with each dimmer**
- **Must use appropriate components that comply with local codes if installed outdoors (weather-proof connectors, cord covcers, enclosures, etc)**
- **Go to Lutron.com for more information if needed for the compatible dimmers listed below**
- **The dimming range with 120V is typically less than with 24V. We recommend using one of the compatible dimmers below. If one of these dimmers isn't used, please note it's the customer's responsibility to ensure acceptable dimming with their chosen dimmer.**

LUTRON DVCL-153P



LUTRON DVELV-300P



LUTRON DVLV-10P

