120V | Flex-Line 2 | Static White

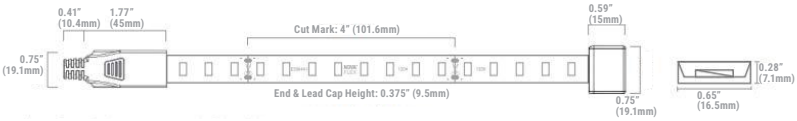
NOVA FLEX



- Dimmable static white 120V LED strip, available in five temps, with no external drivers required
- Great for lighting long runs up to 164 feet
- CRI 90+
- Custom, proprietary channel, frosted or clear lens and aluminum endcaps create a finished fixture. Also can be mounted with simple plastic clips.
- Indoor and outdoor use, UV resistant
- ETL listed with hardwire or plug
- Over voltage, over current, and over temperature protection

Physical

IP Rating	IP65
Ambient Temp	-4°F to 113°F (-20°C to 45°C)
Mounting Options	Channels | Clips | 3M Adhesive
Cut Length	4" (101.6mm); *this info is for reference only; product is not to be modified in the field*
Min. Bend Diameter	3.94" (100mm); top bend only
Dimensions	*See Below*



Quality, Reliability, Safety

Warranty	5 years indoor, 3 years outdoor *Warranties are reduced by one year if used 16+ hours daily
CRI	90+
Lumen Maintenance (TM-21 L70 projections based on light source LM80 data)	50,000 hours indoors 36,000 hours outdoors
Certifications	ETL Listed

Electrical

Voltage	120V AC
Power	4.5W/ft
Max Run (adjusted for cut length)	164' (50M)
Wire Quantity	2 wires
Lead Wire Options	1.64 (0.5M) or 4.92' (1.5M)
Jumper Options	3" (76.2mm) 6" (152.4mm) 9" (228.6mm) 12" (304.8mm)
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')

Product Overview: SKUs, Lead Times & Performance Metrics

SKU	CCT	Lead Time	Output Lm/Ft	Efficacy Lm/W
NF-LINE2-IP65-80-120V-2700K	2700K	Quick ship	397	89
NF-LINE2-IP65-80-120V-3000K	3000K	Quick ship	412	91
NF-LINE2-IP65-80-120V-3500K	3500K	Quick ship	414	91
NF-LINE2-IP65-80-120V-4000K	4000K	Quick ship	425	94
NF-LINE2-IP65-80-120V-5000K	5000K	6-8 weeks *(164' MOQ)*	394	88

Actual values can vary +/- 10%.

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.

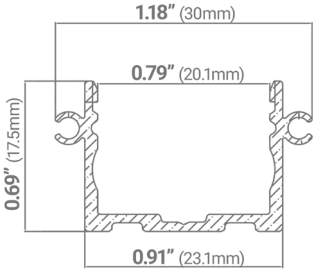
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NOVA FLEX

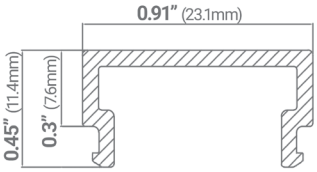
Channel & Lens

NF-CH-LINE2-2M-SL

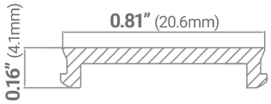
Type	Surface Mount
Color	Silver
Lens	Frosted, Clear



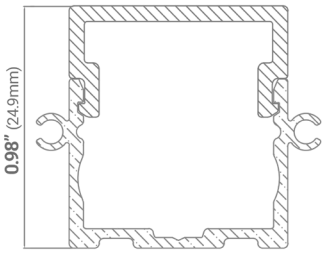




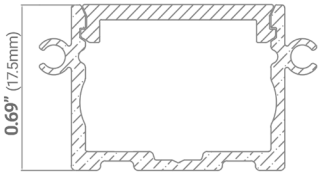
Frosted lens
NF-CH-LINE2-C/SOFT-2M



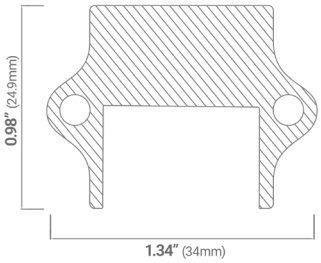
Clear lens
NF-CH-LINE2-C/CLEAR-2M
6-8 week lead time



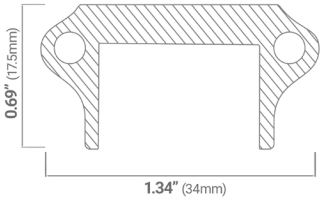
Channel with frosted lens



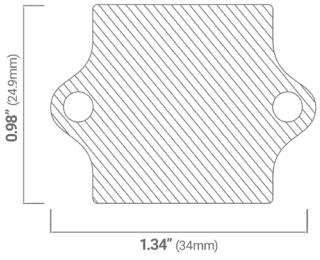
Channel with clear lens



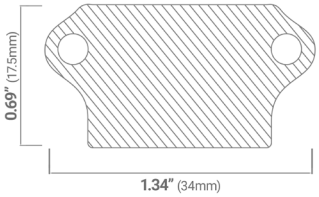
Frosted channel endcap - wired end



Clear channel endcap - wired end



Frosted channel endcap - non-wired end



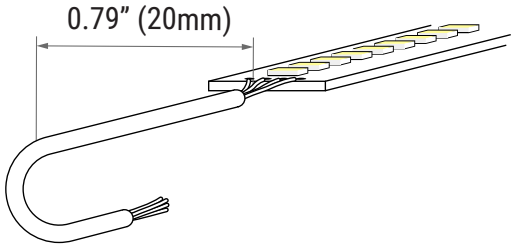
Clear channel endcap - non-wired end

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NOVA FLEX

Installation Notes & Mounting Instructions

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.

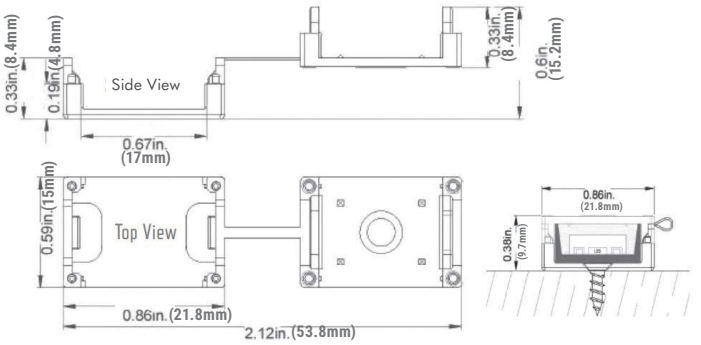


Installation & Mounting, PLASTIC CLIPS

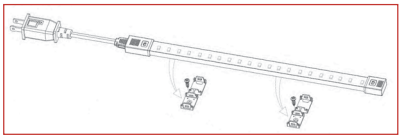
- Mounting with clips is suitable for indoor use, and for outdoor use in locations that are directly exposed to rain and snow, as long as there is adequate drainage, such that the LED strip won't be submerged.
- For long runs, we recommend at least two people for installation
- The VHB tape is optional when mounting with plastic clips. The polyethylene backing on the tape does not need to be removed, unless the VHB tape will be used.

1. Fix the clip to the mounting surface with a screw. We recommend one clip on each end of the run placed just inside the end caps and one clip every 12" (305mm).
2. Starting at one end, insert the 120V strip into the open clip, then snap both sides of the clip's top cover into place. Repeat for each clip along the run.

NF-LINE2-CLIP-KIT



Top View



Installation, CHANNEL, LENS & ENDCAPS

- This mounting option (with channel, lens, and endcaps) is suitable for indoor use, and for outdoor locations that aren't directly exposed to rain and snow. Direct exposure to rain and snow can lead to water entering and pooling in the channel, which can impact performance and life.
- For long runs, we recommend at least two people for installation.
- 3M advises that proper bond for this VHB tape occurs after 72 hours.
- The 120V strip on its non-wired end will rest inside the channel, flush against the inside edge of the channel's aluminum endcap as shown in image A. The aluminum endcap to use on this end is the one without a hole.
- The 120V strip on its opposite, wired end should be oriented as shown in image B. The aluminum endcap to use on this end is the one with the hole.

A



B



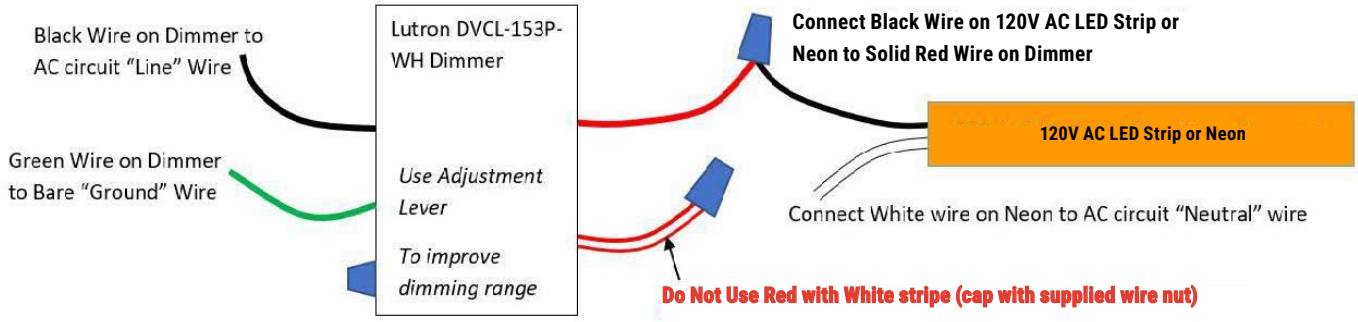
1. Direct mount the channel to the surface with screws.
2. Clean the inside of the channel with a 50/50 mix of water and isopropyl alcohol, and let it dry. This ensures an optimal bond for the VHB tape.
3. Install the aluminum endcap that doesn't have a hole (for the non-wired end) to the channel with two screws. These are self-tapping screws that must be properly centered. We recommend use of a magnetic screwdriver with reasonable grip and length to ensure proper leverage, and easier centering and driving of the screws.
4. Remove the protective backing from the VHB tape on the 120V strip, and affix the 120V strip to the channel, starting with the non-wired end (the strip should rest flush against the inside edge of the endcap, per image A). Apply even, steady pressure to the 120V strip to ensure it properly bonds to the channel.
5. Carefully install the clear flat or raised frosted lens. Starting at the non-wired end in which one endcap has been installed, and gradually working towards the other end, press the lens into the channel.
6. After ensuring that the lens is securely in place, install the aluminum endcap with the hole at the wired end, on the opposite end of the channel. We recommend use of a magnetic screwdriver with reasonable grip and length to ensure proper leverage, and easier centering and driving of the screws.

Compatible Dimmers are Listed Below

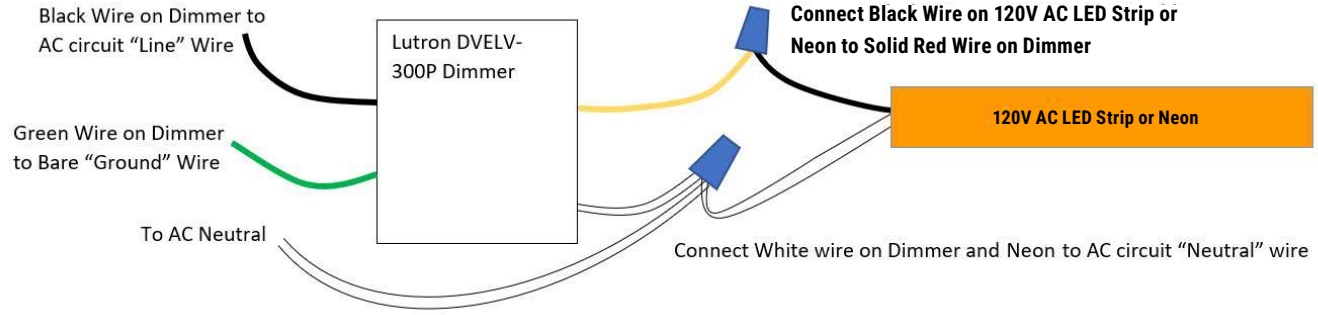
NOTES:

- **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

