

# NeoVision120 SideFlex

## 120VAC Neon LED Tape Specification Sheet

**GM Lighting®**

Project Name

Type

Catalog #

Date

### PRODUCT OVERVIEW

120VAC operation for higher power and brightness from one linear run. Flexible linear “neon” tape is designed for applications that require ultra-rich light and color saturation that is characteristic of neon. SideFlex enables side-to-side bending for curvilinear lines. NeoVision120 tapes provide long, continuous runs up to 163 feet.

### FEATURES

- 120VAC operation (no driver required)
- Wet location - IP65
- Multiple power feed options:
  - End Feed
  - Left or Right Side Feed
- Tape encased in UV resistant silicone
- Triac/ELV dimmable
- White and color LED options
- 120° viewing angle
- Maximum run: 163' - made to order in 12" increments

### SPECIFICATIONS

#### ELECTRICAL

- Input: 120VAC 60Hz
- 3.4W per foot (colors)
- 4.3W per foot (white)
- PF>0.9

#### ENVIRONMENTAL

- Outdoor & wet location rated
- UV resistant
- Ambient operating temp:  
-4°F to +113°F (-20°C to +45°C)

#### PHOTOMETRIC

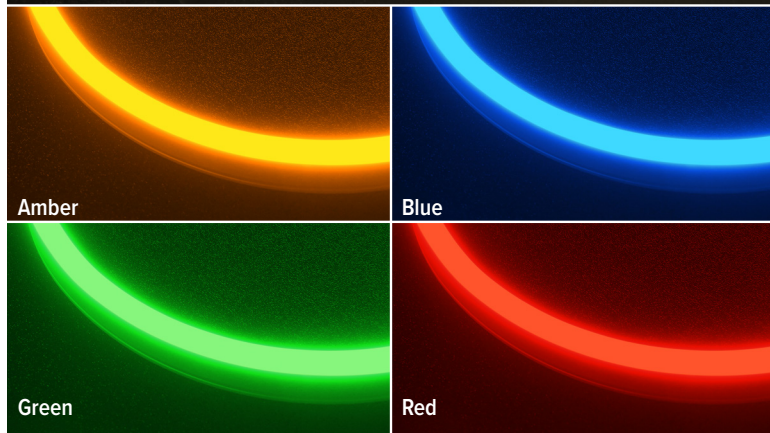
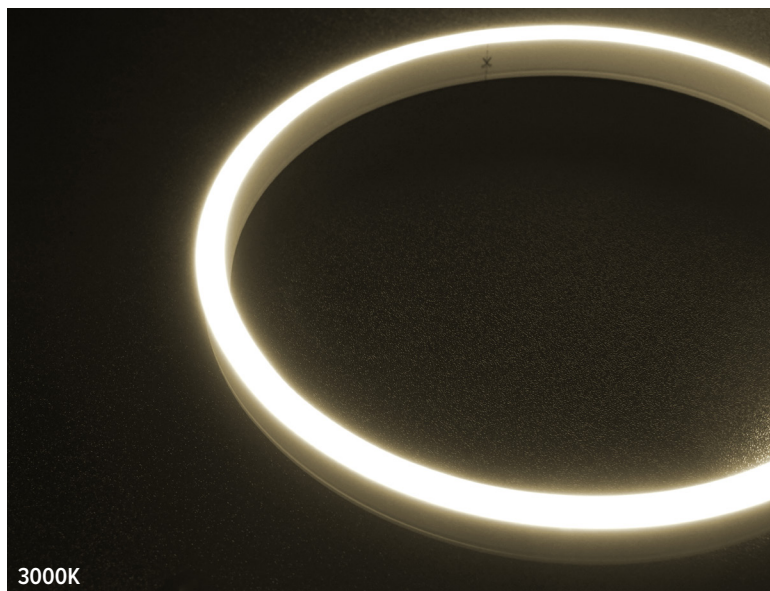
- White: 2700K, 3000K  
or 4000K at 90+ CRI

#### WARRANTY

- 3 years

#### CERTIFICATION

- ETLus
- UL1598 (Hardwire)
- UL2388 (Plug-in)
- IP65



### ORDERING INFORMATION

1. Select Tape
2. Pick Feed
3. Pick Mounting Options
4. Pick Control Options

All **NeoVision120** tape configurations must be specified at time of order. Parts are made to order and sealed by GM Lighting at the factory only.

# NeoVision120 SideFlex

## 120VAC Neon LED Tape Specification Sheet

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All NeoVision 120 tape configurations will be cut and sealed by GM Lighting to your specifications. No field modifications allowed.

### ORDERING INFORMATION

#### 1. Select Tape

Example: NV120S-3W-30K-24 (24 ft)

XXX Length = 001 to 163 in 1 ft increments

| Model  | - | Watts/Ft | - | Color Temp  | - | Length(ft) |
|--------|---|----------|---|-------------|---|------------|
| NV120S |   | 4W       |   | 27K (2700K) |   | XXX        |
|        |   |          |   | 30K (3000K) |   |            |
|        |   |          |   | 40K (4000K) |   |            |
| NV120S |   | 3W       |   | AM (Amber)  |   | XXX        |
|        |   |          |   | BL (Blue)   |   |            |
|        |   |          |   | GR (Green)  |   |            |
|        |   |          |   | RD (Red)    |   |            |

| Catalog No.   | Watts/Ft Max. | Color Temp       | Lumens/Ft | Max. Run |
|---------------|---------------|------------------|-----------|----------|
| NV120S-4W-27K | 4.3W          | 2700K            | 116 Lm    | 163 ft   |
| NV120S-4W-30K | 4.3W          | 3000K            | 121 Lm    | 163 ft   |
| NV120S-4W-40K | 4.3W          | 4000K            | 140 Lm    | 163 ft   |
| NV120S-3W-AM  | 3.4W          | Amber (593nm pk) | 25 Lm     | 163 ft   |
| NV120S-3W-BL  | 3.4W          | Blue (465nm pk)  | 15 Lm     | 163 ft   |
| NV120S-3W-GR  | 3.4W          | Green (519nm pk) | 79 Lm     | 163 ft   |
| NV120S-3W-RD  | 3.4W          | Red (633nm pk)   | 40 Lm     | 163 ft   |

### ACCESSORIES

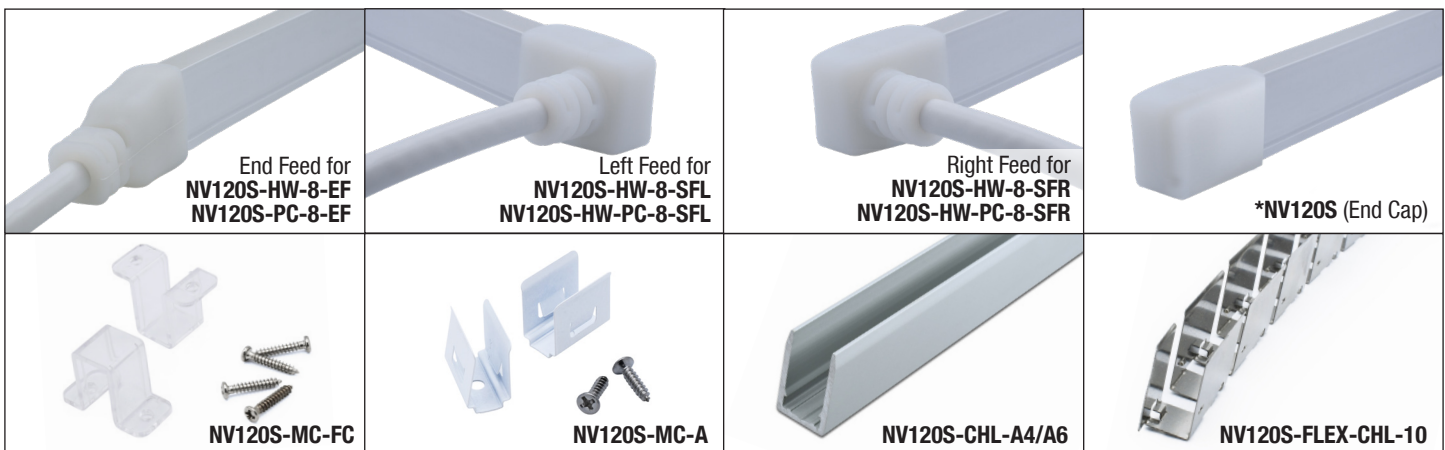
#### 2. Pick Feeds and Feed Accessories

| Catalog No.     | Description                                 |
|-----------------|---------------------------------------------|
| NV120S-HW-8-EF  | Hardwire End Feed w/Filter & 8A Fuse        |
| NV120S-HW-8-SFL | Hardwire Side Feed Left w/Filter & 8A Fuse  |
| NV120S-PC-8-SFR | Hardwire Side Feed Right w/Filter & 8A Fuse |
| NV120S-PC-8-EF  | Plug-in End Feed w/Filter & 8A Fuse         |
| NV120S-PC-8-SFL | Plug-in Side Feed Left w/Filter & 8A Fuse   |
| NV120S-PC-8-SFR | Plug-in Side Feed Right w/Filter & 8A Fuse  |
| HW-CGLN-875-NPT | Waterproof cord grip for hardwire cables    |

#### 3. Pick Mounting Options

| Model              | Description                            |
|--------------------|----------------------------------------|
| NV120S-MC-FC       | Front Clip, 20 Clips/40 Screws         |
| NV120S-MC-A        | Back Mounting Clip, 20 Clips/20 Screws |
| NV120S-CHL-A4      | 4 ft Channel with 4 Screws             |
| NV120S-CHL-A6      | 6 ft Channel with 8 Screws             |
| NV120S-FLEX-CHL-10 | SideFlex 10 ft Channel with 22 Screws  |

All cords are 8ft long



\* Included with every tape section

# NeoVision120 SideFlex

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### 4. Pick Control Options

| Lutron Dimmers          | Family   | Phase Dimming Operation                    | Trim Adjustments*   | Smart Switch |
|-------------------------|----------|--------------------------------------------|---------------------|--------------|
| Lutron PD-SNE           | Casetta  | Reverse Phase (ELV, use this setting only) | High & Low End Trim | Yes          |
| Lutron DVELV            | Diva     | Reverse Phase (ELV)                        | -                   | -            |
| Lutron DVRP             | Diva     | Reverse Phase (ELV)                        | -                   | -            |
| Lutron MA-PRO           | Maestro  | Reverse Phase (ELV, recommended setting)   | High & Low End Trim | -            |
| Lutron RRD-PRO RadioRA2 | Radio RA | Auto (recommended setting)                 | Low End Trim        | Yes          |

| Leviton Dimmers   | Family | Phase Dimming Operation | Trim Adjustments* | Smart Switch |
|-------------------|--------|-------------------------|-------------------|--------------|
| Leviton DSE06-10Z | Decora | Reverse Phase (ELV)     | -                 | -            |
| Leviton DDL06-1LZ | Decora | Forward Phase (TRIAC)   | -                 | -            |

| Legrand Dimmers  | Family          | Phase Dimming Operation                      | Trim Adjustments*   | Smart Switch |
|------------------|-----------------|----------------------------------------------|---------------------|--------------|
| Legrand RH703PTU | Radiant Harmony | Forward Phase (TRIAC, use this setting only) | High & Low End Trim | -            |

Notes: All dimmers operate at 120VAC, 60Hz  
All dimmers will operate NV120 to below 20% dimming level.  
Adjust trim levels for best performance.  
**See local electrical distributor for dimmers.**

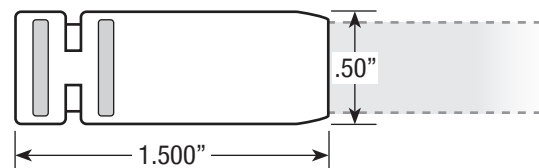
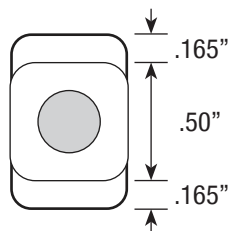
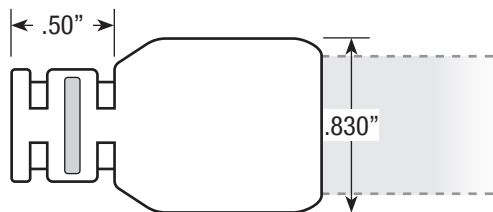


# NeoVision120 SideFlex

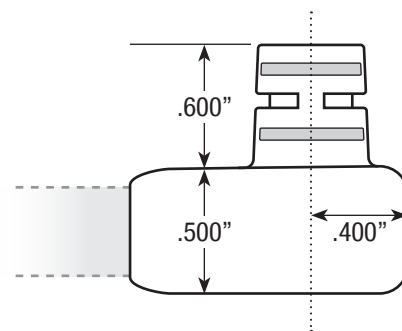
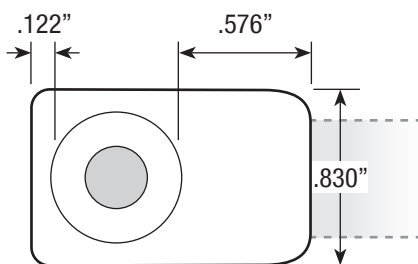
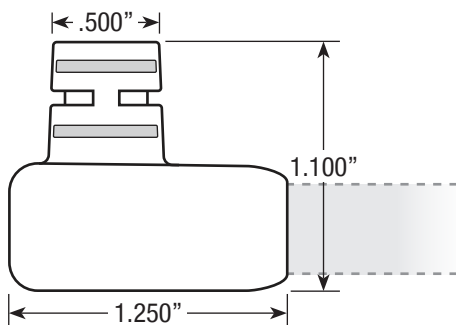
## 120VAC Neon LED Tape Specification Sheet

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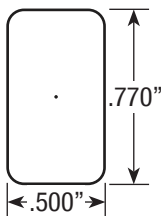
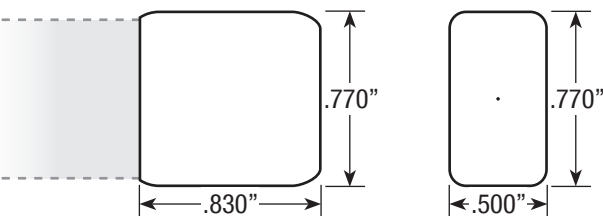
End Feed for  
**NV120S-HW-8-EF**  
**NV120S-PC-8-EF**



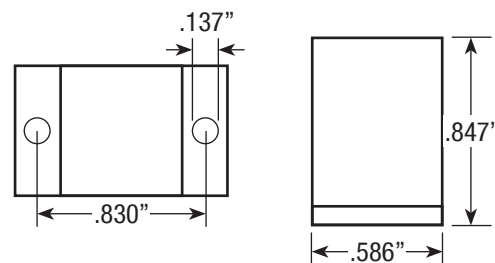
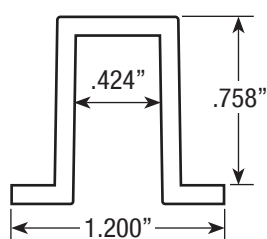
Left/Right Side Feed for  
**NV120S-HW-8-SFL/SFR**  
**NV120S-PC-8-SFL/SFR**



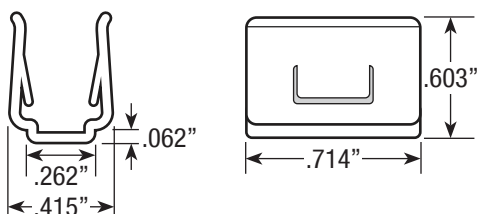
**NV120S (End Cap)**



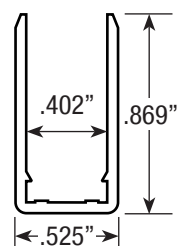
**NV120S-MC-FC**



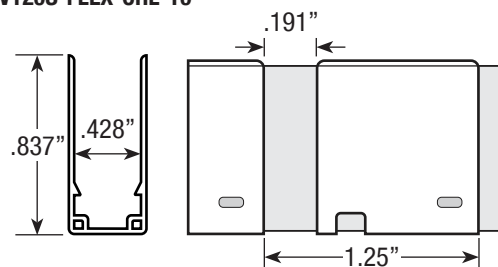
**NV120S-MC-A**



Rigid Channel  
**NV120S-CHL-A4/A6**



Flexible Channel  
**NV120S-FLEX-CHL-10**



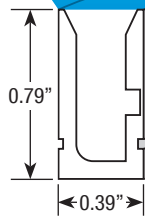
# NeoVision120 SideFlex

## 120VAC Neon LED Tape Specification Sheet

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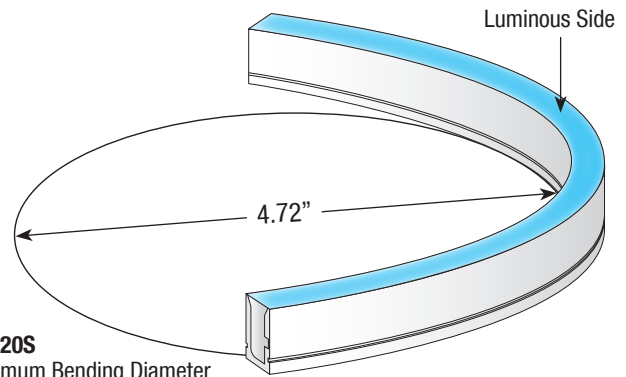
### DIMENSIONS

**NV120S**  
Cross Section



**NV120S**

Minimum Bending Diameter

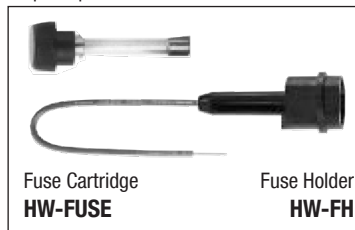


Cord Grip Sold separately.



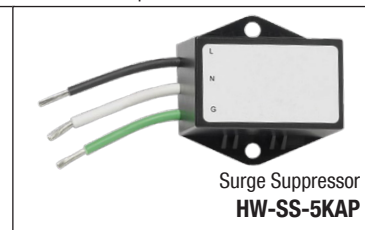
Cord Grip & Locknut  
**HW-CGLN-875-NPT**

All parts pictured below are included with each hard wired option.



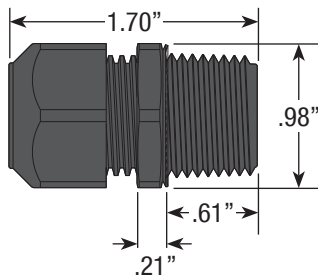
Fuse Cartridge  
**HW-FUSE**

Fuse Holder  
**HW-FH**

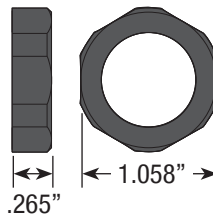


Surge Suppressor  
**HW-SS-5KAP**

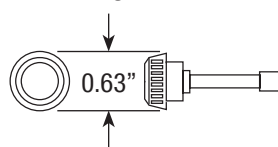
**Cord Grip**



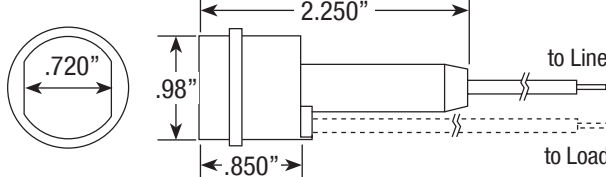
**Locknut**



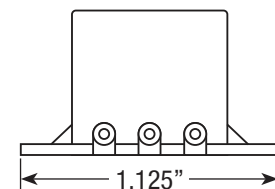
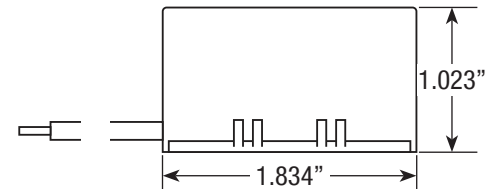
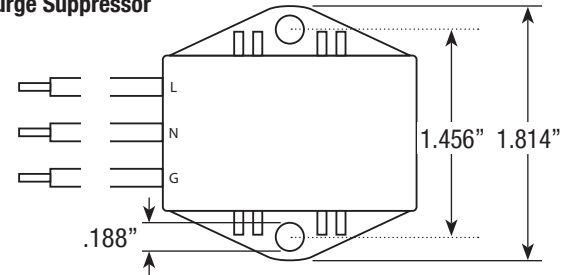
**Fuse Cartridge**



**Fuse Holder**



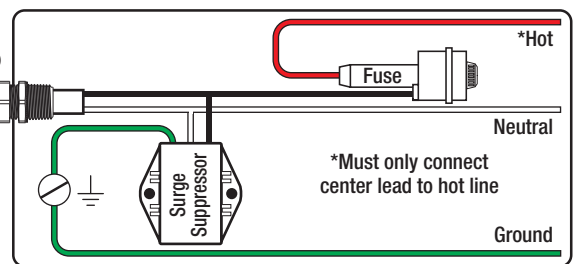
**Surge Suppressor**



### HARDWIRE ASSEMBLY



Cord Grip



Junction Box

Hardwire feed options include surge suppressor and replaceable, quick acting, 8A fuse assembly that must be installed properly as a condition of the GM warranty. Install fuse and suppressor in junction box at power entry to cord.

Use an IP68 rated cord grip to seal the cable entry point at the junction box.

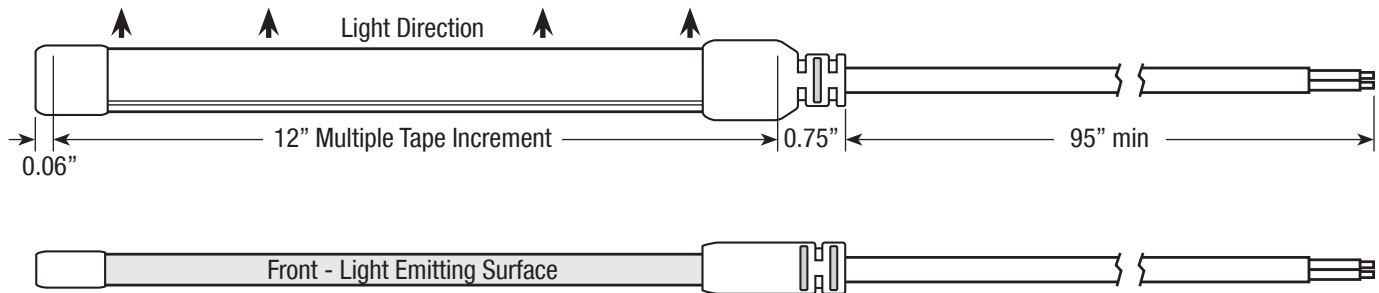
# NeoVision120 SideFlex

## 120VAC Neon LED Tape Specification Sheet

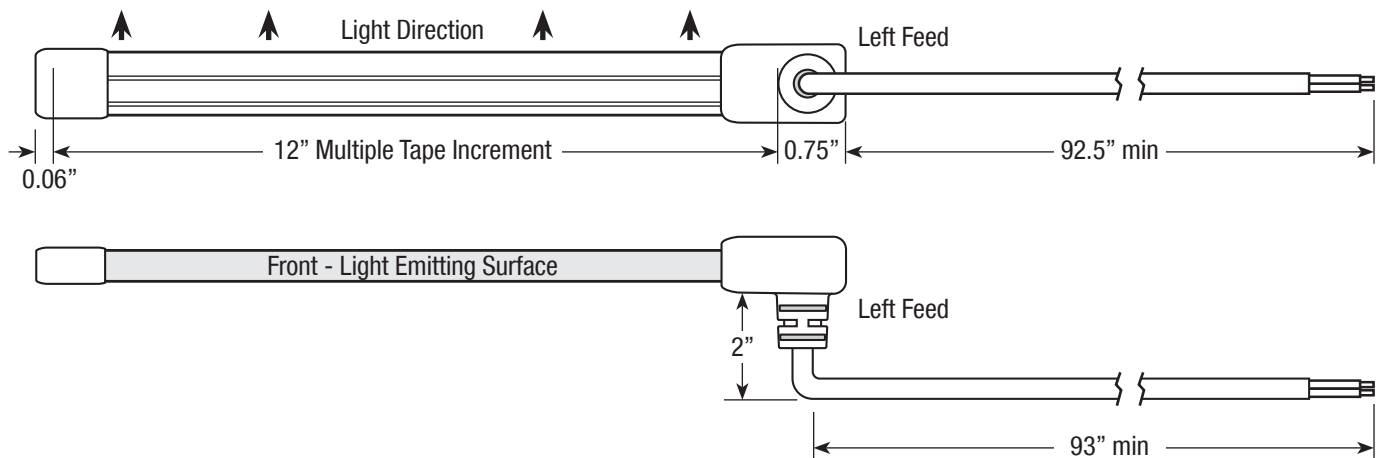
**GM Lighting®**

### HARDWIRE FEEDS

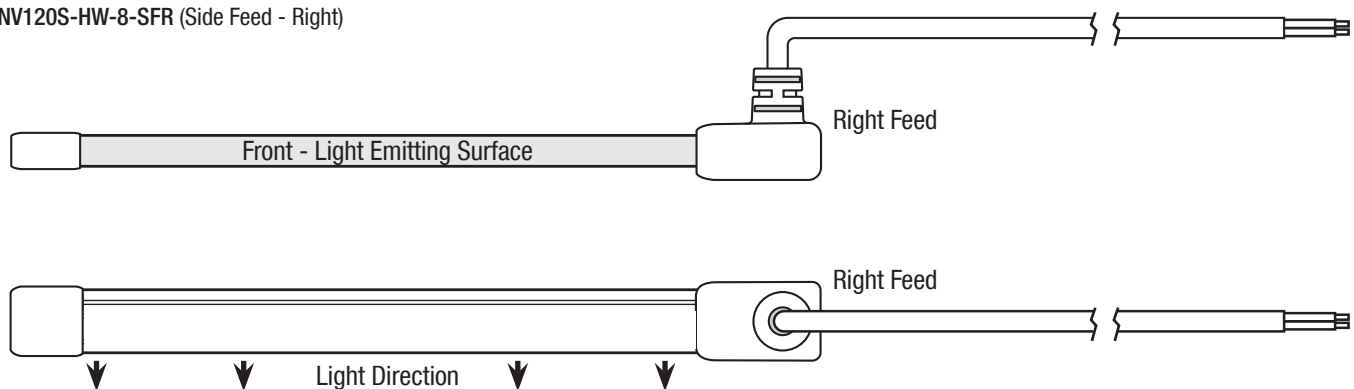
#### **NV120S-HW-8-EF** (End Feed)



#### **NV120S-HW-8-SFL** (Side Feed - Left)



#### **NV120S-HW-8-SFR** (Side Feed - Right)



# NeoVision120 SideFlex

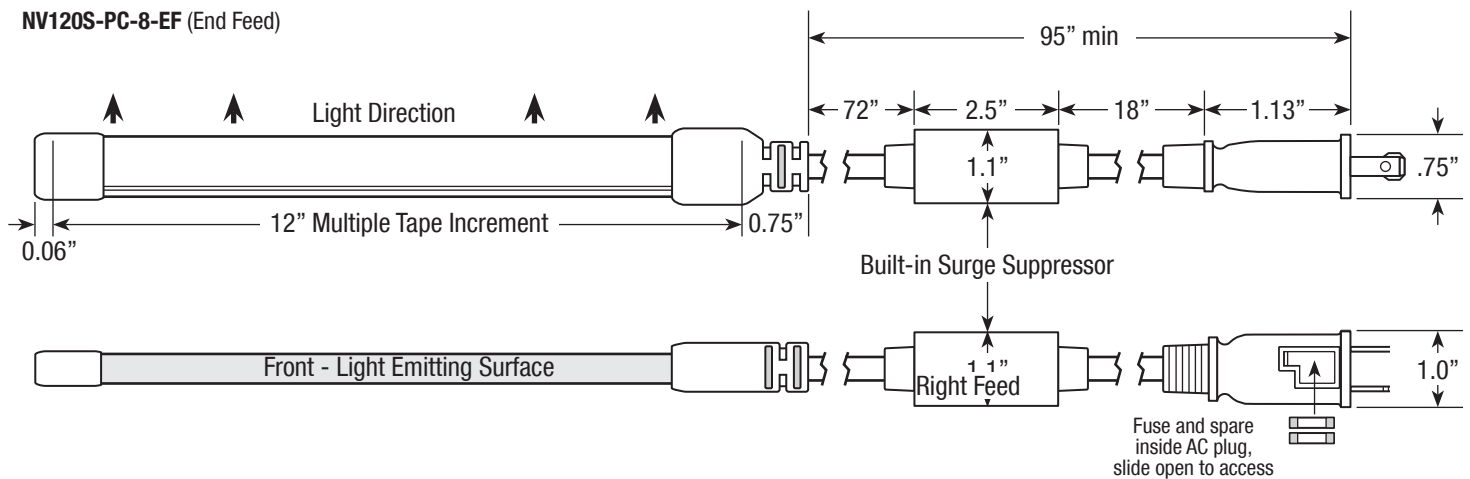
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## 120VAC Neon LED Tape Specification Sheet

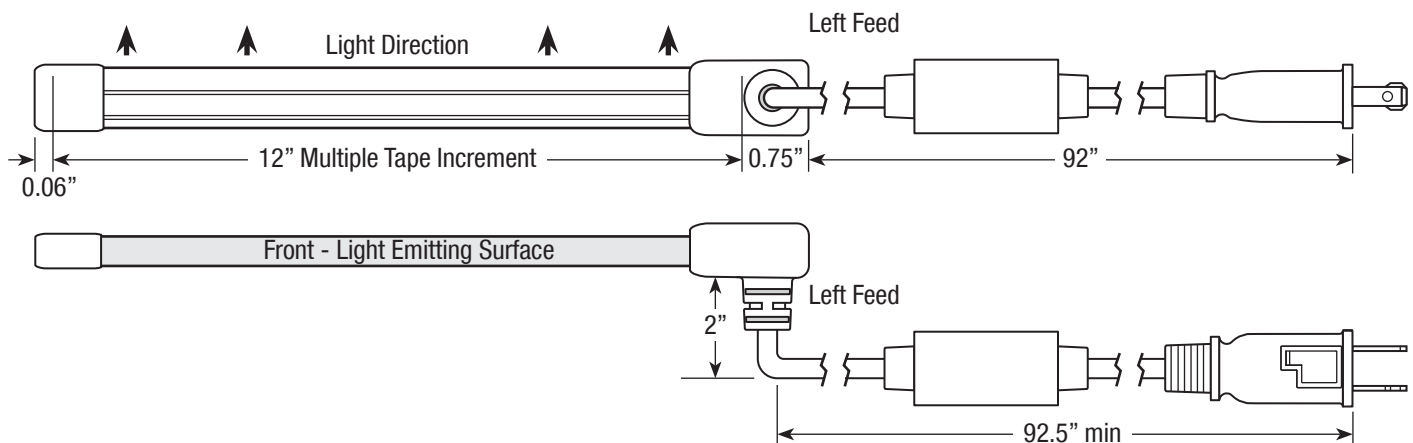
### CORD AND PLUG FEEDS

Each cord and plug assembly comes with a replaceable, quick acting, 8A fuse and built-in surge suppressor.  
When routing cord, 1.5" dia. minimum clearance required for surge suppressor and plug.

#### NV120S-PC-8-EF (End Feed)



#### NV120S-PC-8-SFL (Side Feed - Left)



#### NV120S-PC-8-SFR (Side Feed - Right)

