

# NeoVision24 SideFlex

## 24VDC 3W LED Tape Specification Sheet

**GM Lighting**®

Project Name	Type
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Catalog #	Date
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### PRODUCT OVERVIEW

A 24VDC high transmission, flexible linear 'neon' tape that is field cuttable and joinable. Designed for applications that require ultra-rich light and color saturation that is characteristic of neon. SideFlex enables horizontal bending that conforms tape around curvilinear surfaces.



### FEATURES

- 24VDC operation
- Wet location - IP65
- Multiple power feed options
- Tape encased in UV stable silicone (UV protected)
- Dimmable
- Wireless control with LUXcontrol App and controller
- 3000K or 4000K / Amber, Blue, Green or Red
- 120° viewing angle
- Maximum run: 32'-8"
- Field cuttable and joinable in 2 inch increments while retaining IP65
- Each run requires an end cap (sold separately)
- No tools required for capping and joining
- Mounting clips included (recommend use 1 per foot)

### SPECIFICATIONS

#### ELECTRICAL

- 24VDC
- 3.0 watts per foot

#### OPTICS

- 90+ CRI

#### WARRANTY

- 5-year warranty when paired with GM power supply

#### CERTIFICATION

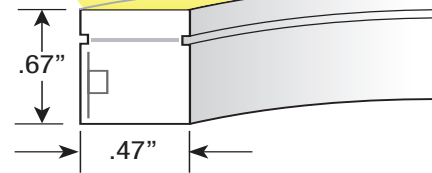
- 24VDC UL compliant
- IP65

#### ACCESSORIES

- LineDRIVE 24V Power Supplies
- Aluminum Channels (below)
- Connectors (below)
- Tape Cutting Tool (below)



SIDEFLEX CUTAWAY DIAGRAM  
(Horizontal Bend)



### ORDERING INFORMATION

Example: NV24S-3W-30K-16

Model	-	Watts / Foot	-	Color Temp.	-	Reel Length
NV24S		3W		3000K (30K)		16 (16'-4")
				4000K (40K)		32 (32'-8")
				Amber (AM)		
				Blue (BL)		
				Green (GR)		
				Red (RD)		

### CONTROLLERS

Model	Description
SHWC	Smart 2.4 GHz WiFi Controller, Standard 12V/24V Low Voltage, 1-Channel / 2-Wire
SHWC-RGBW-RPT	Universal Smart Power Repeater



Every reel includes (1) NV24S-PF-EF (tape to power feed with 48" of lead.). 16' reel includes (16) NV24S-MC-A mounting clips and screws. 32' reel comes with (32) NV24S-MC-A mounting clips and screws. Operating temp.: -4° - 130°F.

### CONNECTORS

Catalog No.	Description
NV24S-PF-EF8	Tape to power flexible end feed - 8 ft. length
NV24S-PF-BF8	Tape to power flexible bottom feed - 8 ft. length
NV24S-SP	Tape to tape splice connector
NV24S-CHL-A4	Aluminum channel - 4 ft. length
NV24S-CHL-A8	Aluminum channel - 8 ft. length
NV24S-MC-A	Aluminum mounting clips (set of 20)

Catalog No.	Description
NV24S-TTC6	Tape to tape 6" flexible connector
NV24S-TTC12	Tape to tape 12" flexible connector
NV24S-TTC24	Tape to tape 24" flexible connector
NV24S-FLEX-CHL	Flexible mounting channel - 39.5"
NV24-CT	Tape cutting tool
NV24S-EC	End cap

The above connectors, channels, mounting clips and caps are for the exclusive use of NeoVision24 SideFlex Neon Tape and are ordered separately. See website for accessory images.

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## 24VDC 3W LED Tape Specification Sheet

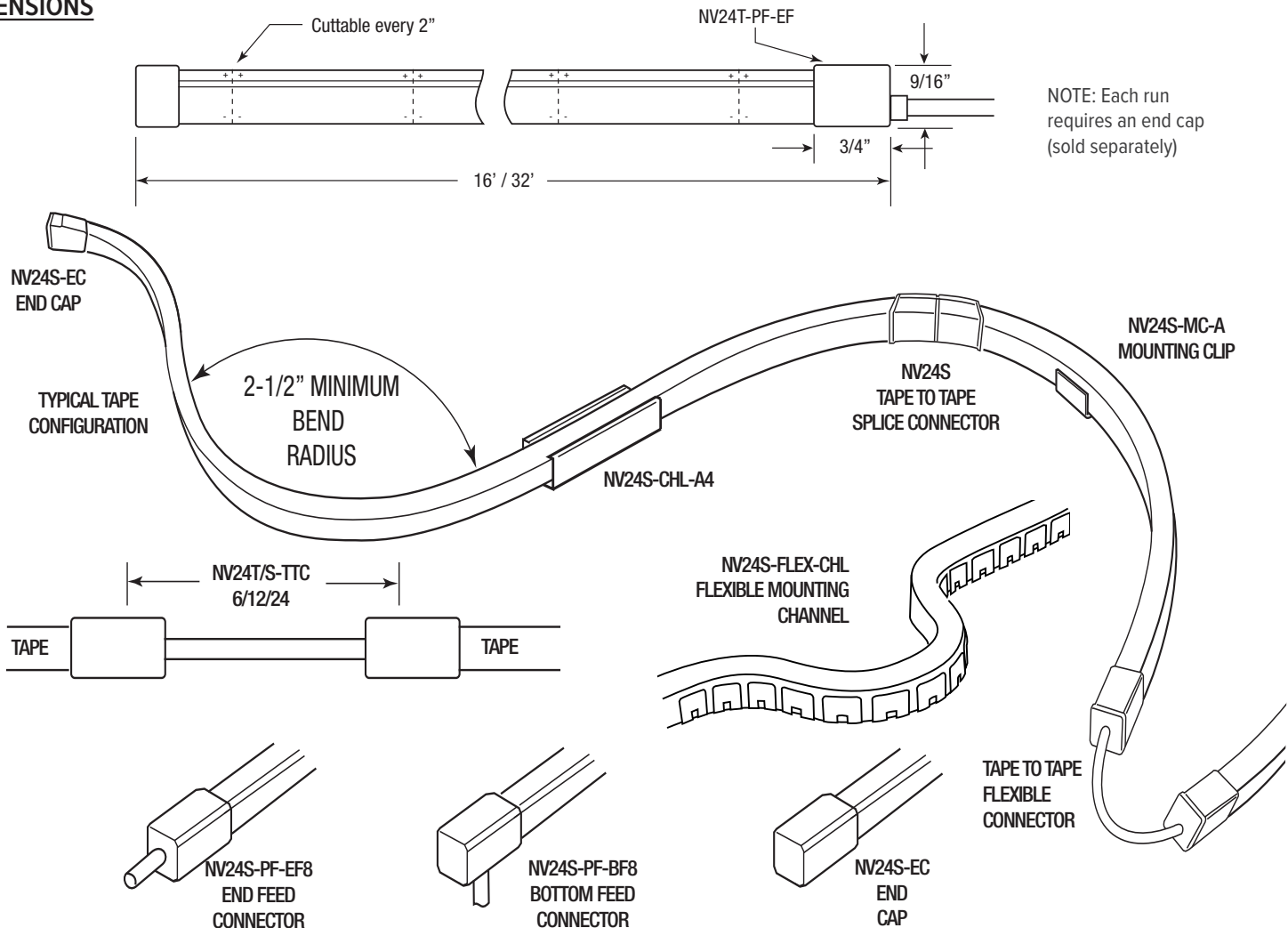


Catalog No.	Length	Lumens per Foot	CRI	Color Temp.	Max. Run
NV24S-3W-30K-16	16'-4"	128	90+	3000K	32'-8"
NV24S-3W-30K-32	32'-8"	128	90+	3000K	32'-8"
NV24S-3W-40K-16	16'-4"	128	90+	4000K	32'-8"
NV24S-3W-40K-32	32'-8"	128	90+	4000K	32'-8"
NV24S-3W-AM-16	16'-4"	N/A	90+	AMBER	32'-8"
NV24S-3W-AM-32	32'-8"	N/A	90+	AMBER	32'-8"
NV24S-3W-BL-16	16'-4"	N/A	90+	BLUE	32'-8"
NV24S-3W-BL-32	32'-8"	N/A	90+	BLUE	32'-8"
NV24S-3W-GR-16	16'-4"	N/A	90+	GREEN	32'-8"
NV24S-3W-GR-32	32'-8"	N/A	90+	GREEN	32'-8"
NV24S-3W-RD-16	16'-4"	N/A	90+	RED	32'-8"
NV24S-3W-RD-32	32'-8"	N/A	90+	RED	32'-8"

Kelvin temperature (color) ±100K.

Every reel includes (1) NV24S-PF-EF (tape to power feed with 48" of lead.). 16' reel includes (16) NV24S-MC-A mounting clips and screws. 32' reel comes with (32) NV24S-MC-A mounting clips and screws. Operating temp.: -4° - 130°F.

### DIMENSIONS

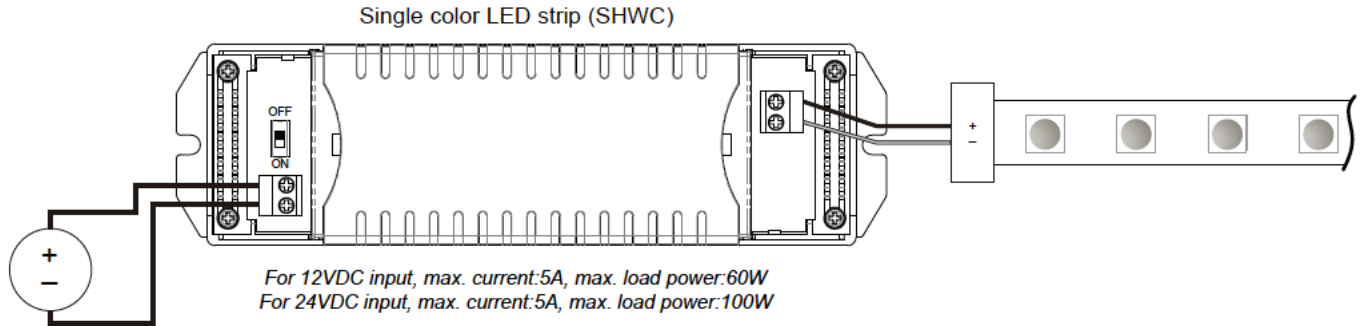


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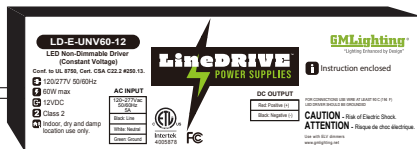
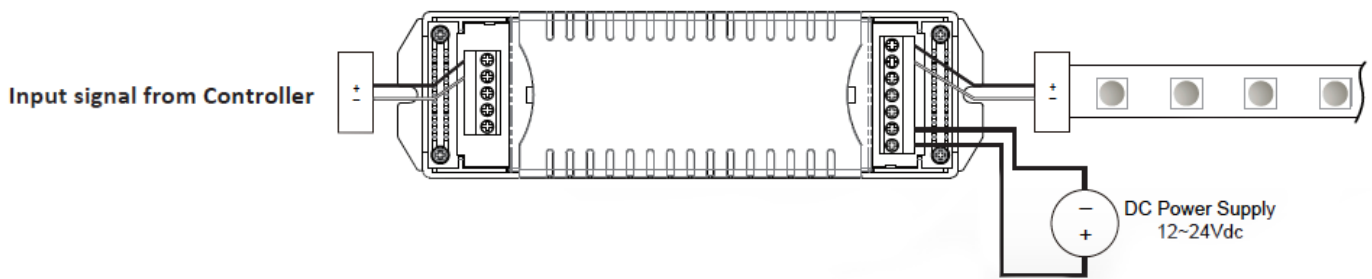
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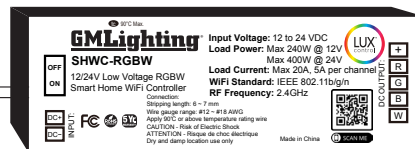
### WIRING DIAGRAM



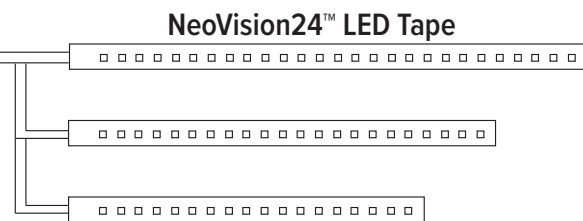
### SHWC and Repeater Wiring Single color connection (1 channel)



LineDRIVE™ Power Supply



LUXcontrol™ Controller



NeoVision24™ LED Tape



Remote WiFi Control

LUXcontrol™ App



Router Signal

Expandable with universal power repeater (SHWC-RGBW-RPT) for larger projects

Note: For use with LD-E (non-dimmable) or LD-ED (dimmable) power supply only. Not compatible with LD-MD (magnetic) power supply.