

# LED Neon Light- **SIDEBEND NEON RGB**

LED Side Bend Neon Light WINT is durable and flexible with 30mm minimum bending diameter. Any length cuttable, super flexible bend with dome profile provides brilliant outlines front and side directions. It is good for damp location. Using 24VDC power input, the power connection and installation of this WINT neon light is as same as regular LED strip light.

## Features

- Super flexible bend with dome profile, provides brilliant outlines from both front and side directions.
- RGB color changing controller.
- Soft bend flexibility, strong impact resistant and high weather resistance.
- Uniform, dot-free, smooth and comfortable luminary up to 16<sup>13</sup>/<sub>32</sub>ft run length.
- 50,000h long lifespan with 5 years limited warranty.
- UL, CE, RoHS approval.



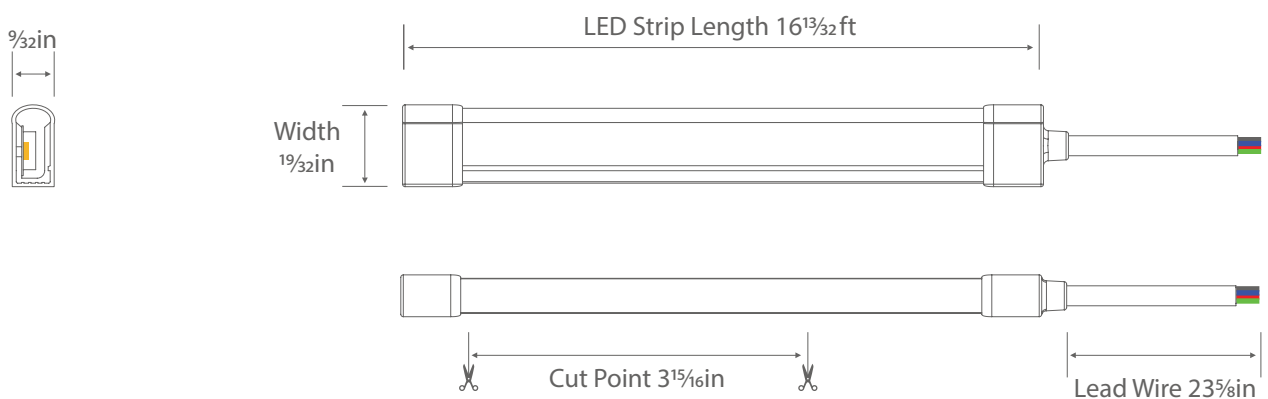
## Specification

<b>Input Voltage</b>	24VDC
<b>Controller</b>	RGB color changing controller
<b>Lead Wire</b>	20 AWG, 23.6in (4 wires)
<b>Color</b>	RGB
<b>Power Consumption/ft</b>	4.4W

<b>Dimensions</b>	3/32 x 1 13/32 in
<b>Maximum Run Length</b>	16 <sup>13</sup> / <sub>32</sub> ft
<b>LED Chip</b>	4040
<b>Operating Temperature</b>	-20°F~45°F
<b>Lumen Maintenance</b>	50,000 hrs

## Models

Model No.	Color	Brightness/ft	Power/ft	CRI	IP Rating	Length
GL-WINT-2835CVFM-14	RGB (White Jacket)	35.8lm	4.4W	N/A	IP67 (Wet location)	16 <sup>13</sup> / <sub>32</sub> ft



### Voltage Drop Guidance Chart

This table provides general guidelines for determining Wire Gauge based on total load and distance from LED transformer to beginning of luminaire.

#### 24V Voltage Drop & Wire Length Distance Chart (3% Drop or 23.28V)

Wire Gauge (AWG)	10W 0.42A	20W 0.83A	30W 1.3A	40W 1.7A	50W 2.1A	60W 2.5A	70W 2.9A	80W 3.3A	90W 3.75A	100W 4.2A
20	85ft	43ft	27ft	21ft	17ft	14ft	12ft	11ft	9ft	8ft
18	134ft	68ft	45ft	33ft	27ft	22ft	19ft	17ft	15ft	14ft
16	215ft	109ft	72ft	54ft	43ft	36ft	31ft	27ft	24ft	22ft

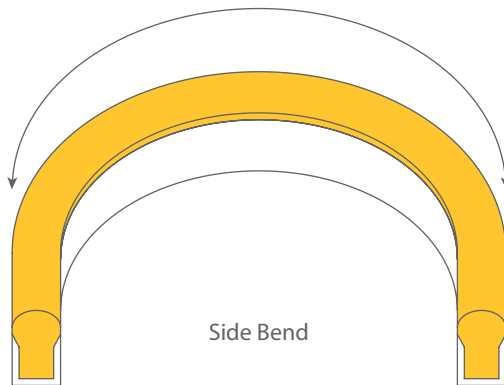
**Step 1:** Calculate Total Load: Check the power consumption of the LED light (e.g. 3W/ft). Calculate the total load of the LED light based on the light length (e.g. 10ft). The total load is 3W/ft x 10ft = 30W.

**Step 2:** Find Distance from Transformer to the Light Beginning: Check the distance between the transformer to the beginning of the light onsite. Let's assume it is 40ft. Round up to the nearest one on the table (Column 30W), which is 45ft.

**Step 3:** Choose Suitable Wire Gauge: According to the table (Column 30W & Row 45ft), it's recommended to use 18AWG or up wire between the transformer and LED light to eliminate voltage drop.

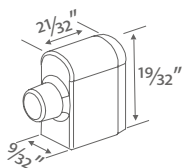
Note: This table is calculated based on the theoretical voltage drop formula. The wire quality, the LED light technology and environment conditions affect the result also. This table is only for reference.

### Bending Options

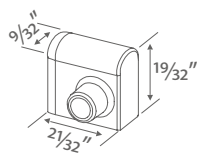


### Accessories (Sold Separately)

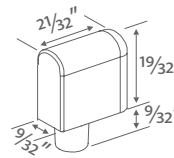
#### Connecting Accessories



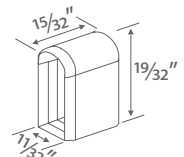
Rear Feed End Cap  
GL-WINT-RFEC



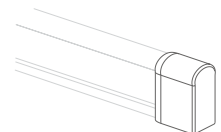
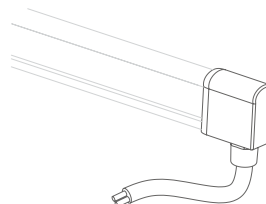
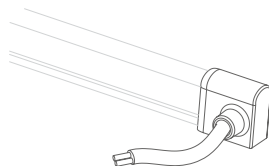
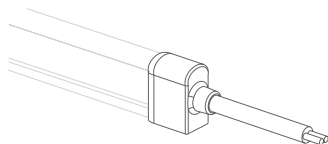
Side Feed End Cap  
GL-WINT-SFEC



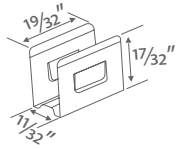
Bottom End Cap  
GL-WINT-BTEC



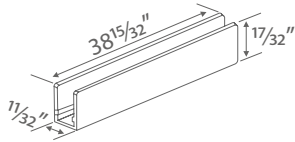
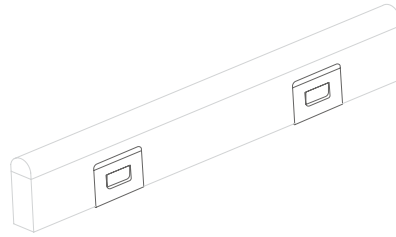
End Cap  
GL-WINT-EC



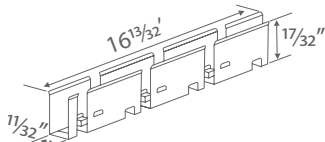
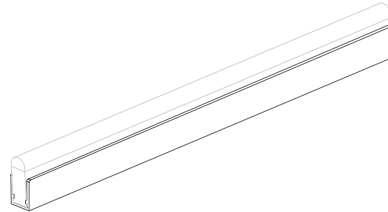
## Mounting Accessories



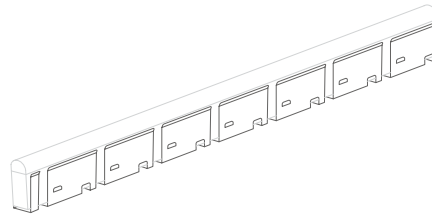
Mounting Clip  
**GL-WINT-MCL**



Mounting Channel  
**GL-WINT-MCH**

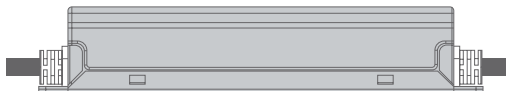
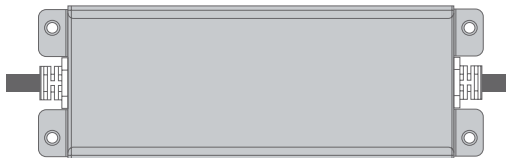


Bendable Bracket  
**GL-WINT-BDMB**

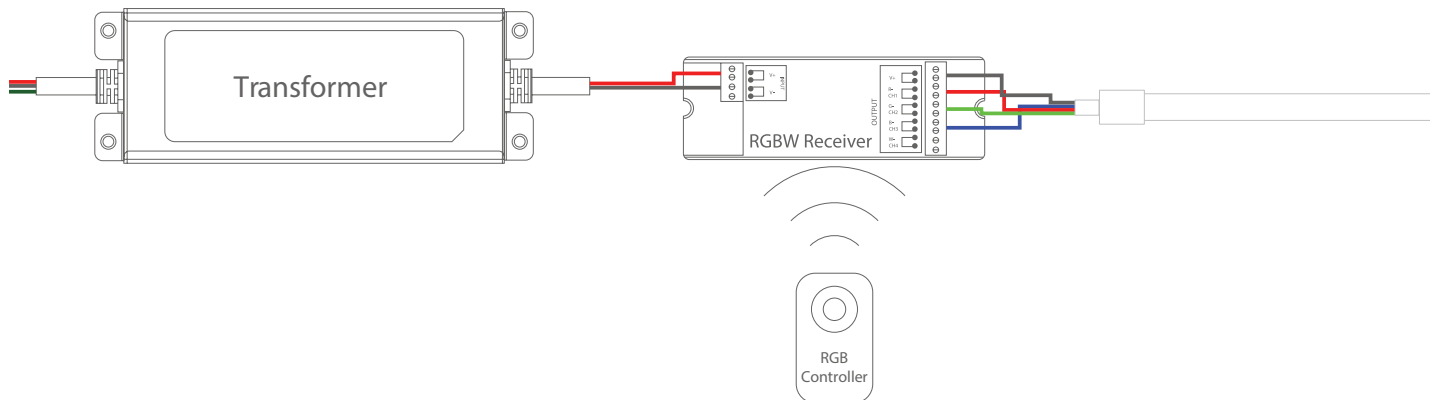


## Recommended Transformer (Sold Separately)

### LED Non-Dimmable Transformer



Model No.	Output Voltage	Wattage	Dimensions (L x W x H)	Certificates
APV-8W-24V	24V	8W	2.30x1.20x0.90in	CE, RU, Class 2
APV-35W-24V	24V	35W	3.30x2.20x1.20in	CE, RU, Class 2
XLG-150W-24V	24V	150W	5.51x2.48x1.26in	CE, RU
XLG-200W-24V	24V	200W	7.09x2.48x1.40in	CE, RU

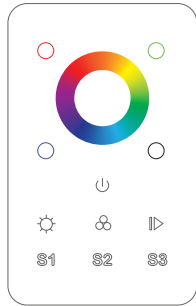


Non-Dimmable Transformer Wiring Diagram (with RGBW Receiver)

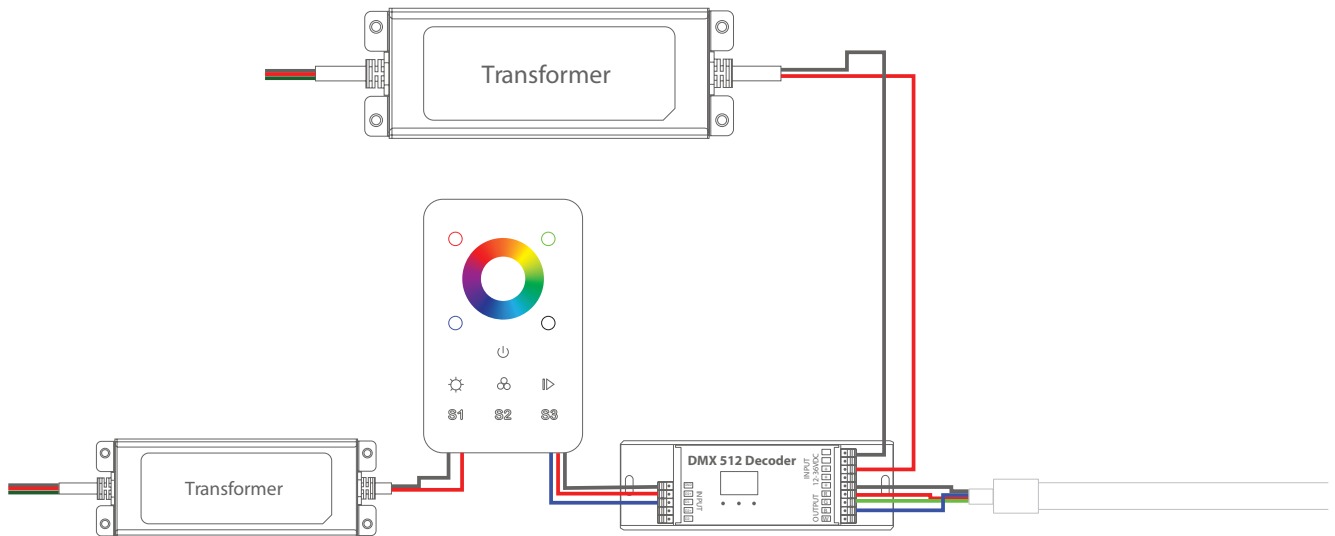
\*This diagram is for references only. Please see the LED RGB Controller Specification for a more accurate diagram.

## Recommended Controller (Sold Separately)

### DMX RGBW Wall Mount Controller



Model No.	Dimensions (L x W x H)	Certificates
DMX-RGB-WM-T-1Z-W	4.7x2.9x1.1in	TUV, CE, FC, ROHS
DMX-RGB-WM-T-3Z-W	4.7x2.9x1.1in	TUV, CE, FC, ROHS



Non-Dimmable Transformer Wiring Diagram (with DMX RGBW Wall Mount Controller)

\*This diagram is for references only. Please see the DMX RGB Wall Mount Controller Specification for a more accurate diagram.