

Ultra-Slim 6x6mm Top Bend LED Neon Flex

Features and Specifications



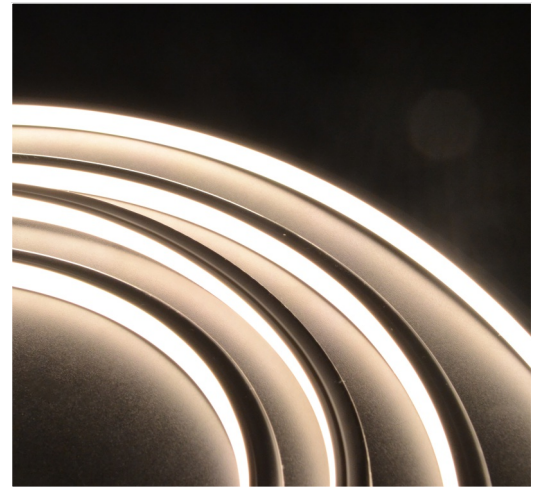
KEY HIGHLIGHTS

The LED Flexible Neon Strip is a high-performance linear lighting solution designed to deliver uniform, dot-free illumination with the visual effect of traditional neon light. Utilizing advanced encapsulation technology and a high-density LED strip, it provides smooth, continuous light output with excellent brightness consistency. Constructed with a durable, UV-resistant and IP65-rated silicone housing, the strip is suitable for indoor and outdoor applications. Its flexible structure with top bend feature allows for curved and creative installations. Customizable lengths and cuttable sections ensure ease of installation.



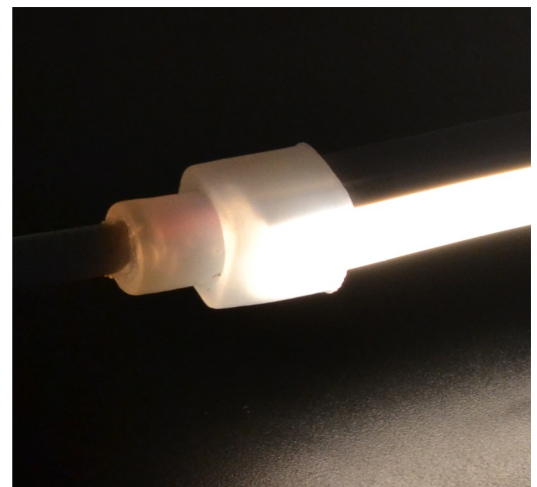
TECHNICAL SPECIFICATIONS

| | |
|--------------------|--|
| Input Voltage: | 24V DC |
| Color: | 1800K/2400K/2700K/3000K/4000K/6500K/Red/Green/Blue |
| Bending Direction: | Top Bend |
| Reel Length: | 5 Meters (16.4') |
| Lead Wire: | .15m to 2.5m customizable (2-Line) |
| IP Rating: | IP65 (Waterproof/Outdoor Rated) |
| Material: | UV-Resistant Silicone |
| Wattage: | 8W/m (2.4W/ft) |
| Dimmable: | Yes |
| CRI: | 90+ |
| Cutting Unit: | 25mm |
| Dimensions: | 6mm x 6.5mm (W x H) |
| Luminous Flux/m: | 255~272lm |



FEATURES

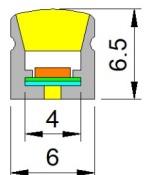
- ETL, CE, RoHS, CCC certified.
- CA Title 24: Compliant with approved drivers; consult factory for details.
- Operating Temperature: -20°C to 50°C (-4°F to 122°F)
- Storage Space Ready: Complies with NEC (NFPA 70) 410.16 requirements for closet installations.



WARRANTY

- 5-year coverage guaranteed when utilized with luzumi led approved power supply.

Note: The Warranty Period begins on the date of original shipment from our factory, the warranty covers product only and does not cover any labor or incidental charges related to service or warranty. This Warranty applies only to the original purchasers or authorized distributors.



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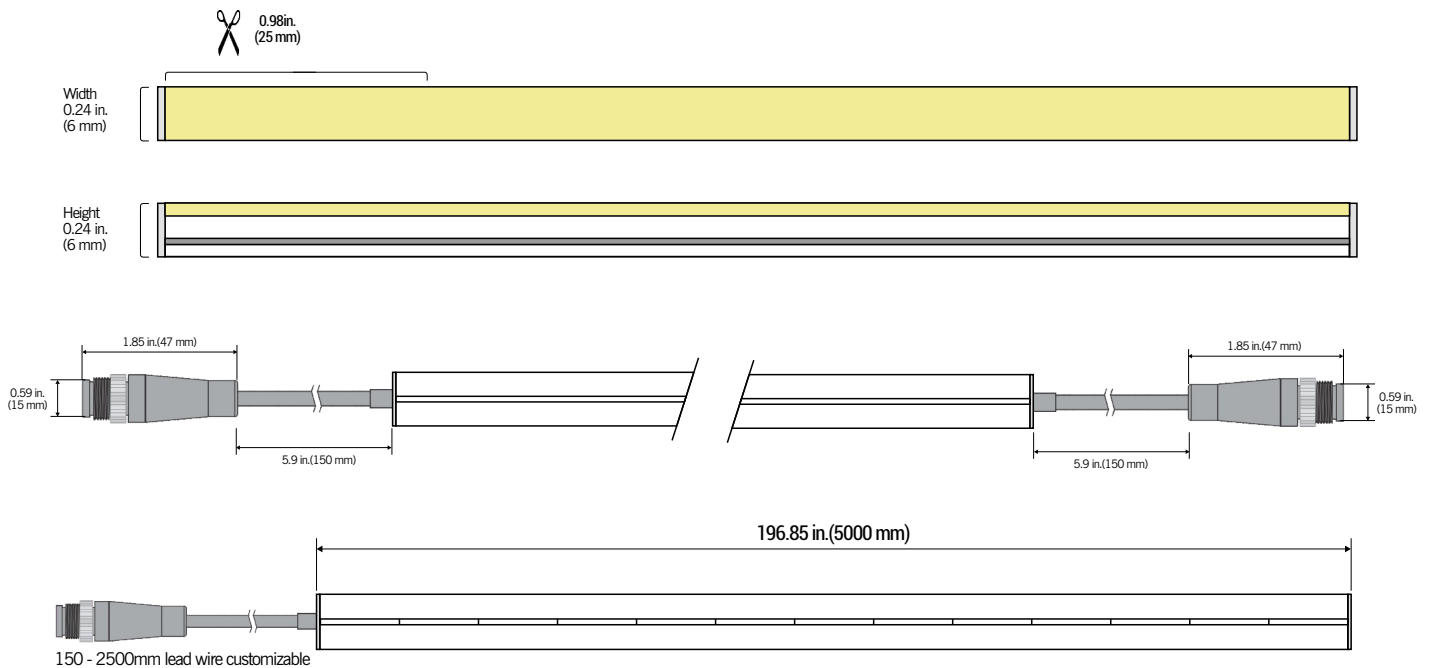
HOW TO ORDER A LUZUMI LED NEON TAPE LIGHT

| Name | Wattage/m | Color | Neon Dimensions | Bend Type | FPC Width(mm) | IP Rate | Voltage |
|------|-----------|-----------------------------|-----------------|-----------|---------------|----------|---------|
| FN | 8W | W (18K, 27K, 30K, 40K, 65K) | 0606 | T | 4 | A (IP65) | 24 |
| | | R | | | | B (IP68) | |
| | | G | | | | | |
| | | B | | | | | |
| | | | | | | | |

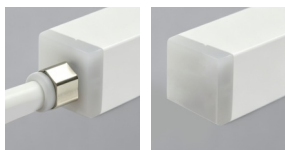


Example: FN8W-W0606-T4A24

MECHANICAL DIAGRAMS

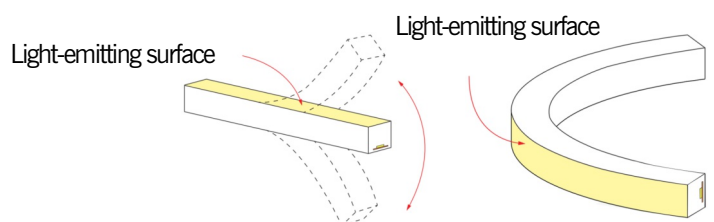


Lead Wire Options

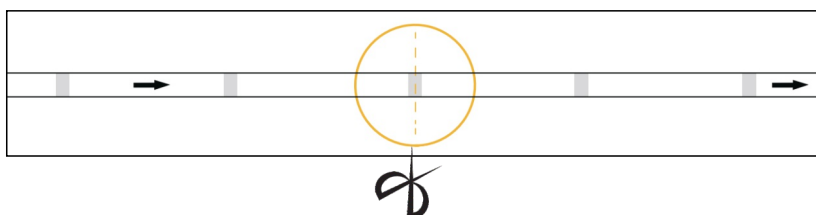


Front Closed End

Top Bend



Use professional scissors to cut vertically at the cutting mark.



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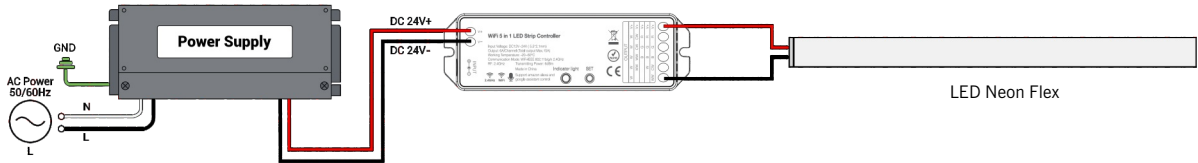
Features and Specifications



System Wiring Diagrams

The diagram below illustrates a standard system configuration. For larger installations or custom setups, please visit our website or contact technical support. Before beginning, consult the specific installation guides for each component to ensure you have the most current wiring instructions. All installations must comply with national and local electrical codes. Note that wiring configurations may vary depending on your specific power and dimming requirements.

Single Color System Diagram



Common Controllers for LED Neon and Tape Light

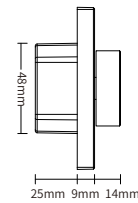
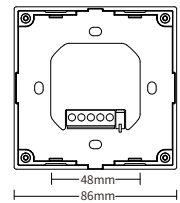
Panel Controller 2.4G RF



P0 (Black)
2 in 1 Rotating Panel Controller
(Single Color / Dual White)



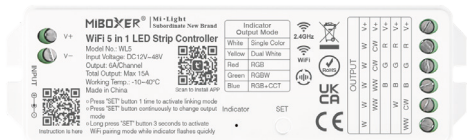
P0 (White)
2 in 1 Rotating Panel Controller
(Single Color / Dual White)



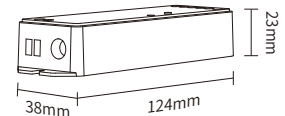
| Model No. | Output Mode | Output Current | Input Voltage | Total Output | Output Power | Working Temp. | Control Signal | Control Distance |
|-----------|-------------|----------------|---------------|--------------|--------------|---------------|----------------|------------------|
| P0 | 2 in 1 | DC12V~48V | 12A/Channel | Max 12A | 144-576W | -10~40°C | 2.4G RF | 30m |

2.4G+Wifi Series (built in wifi chip, no need gateway)

5 in 1 LED Controller Tuya WiFi + 2.4G RF



5 in 1 LED Controller
(Single Color / Dual White / RGB / RGBW / RGB+CCT)



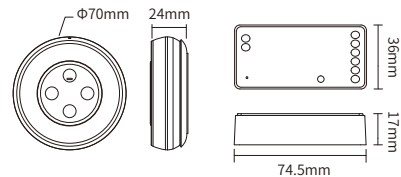
| Model No. | Output Mode | Input Voltage | Output Current | Total Output | Output Power | Working Temp. | Control Signal | 2.4G RF Distance |
|-----------|-------------|---------------|----------------|--------------|--------------|---------------|--------------------|------------------|
| WL5 | 5 in 1 | DC12V~48V | 6A/Channel | Max 15A | 180-720W | -10~40°C | Tuya app + 2.4G RF | 30m |

2.4G LED Controller Kits 2.4G RF

Controller kits: save money, cheaper than you purchase controller and remote separately.



FUT035SA+
2 in 1 LED Controller Kits
(Single Color / Dual White)



Remote Parameters

| Working Voltage | Standby Power Consumption | Transmitting Power | RF | Working Temp. | Control Distance |
|-----------------|---------------------------|--------------------|--------|---------------|------------------|
| 3V(AAA * 2PCS) | 15µA | 6dBm | 2.4GHz | -10~40°C | 30m |

Controller Parameters

| Model No. | Output Mode | Input Voltage | Output Current | Total Output | Output Power | Working Temp. | Control Signal | Control Distance |
|-----------|-------------|---------------|----------------|--------------|--------------|---------------|----------------|------------------|
| FUT035SA+ | 2 in 1 | DC12V~24V | 12A/Channel | Max 12A | 144-288W | -10~40°C | 2.4G RF + PUSH | 30m |

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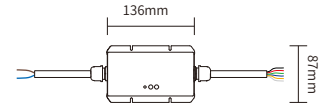
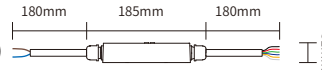
Features and Specifications



Waterproof 5 in 1 LED Controller



WLS-WP   + 2.4G RF
5 in 1 LED Controller
(Single Color / Dual White / RGB / RGBW / RGB+CCT)



| Model No. | Output Mode | Input Voltage | Output Current | Total Output | Output Power | Working Temp. | Control Signal | 2.4G RF Distance |
|-----------|-------------|---------------|----------------|--------------|--------------|---------------|--------------------|------------------|
| WLS-WP | 5 in 1 | DC12V~48V | 10A/Channel | Max 20A | 240-960W | -20~45°C | Tuya app + 2.4G RF | 30m |

Power Supplies for LED Neon and Tape Light

Constant Voltage Metal Power Supply (Non-waterproof, IP20)



| Model No. | AC input voltage range | Output |
|------------------------------|------------------------|--|
| SL-V-12XXXM (SL-V-24XXXM) | 100-240V | DC 12V or 24V, Max. Output Options: 15W,35W,50W,60W,70W,100W,120W,200W,250W,300W,350W,400W,500W,600W |

Constant Voltage 0-10V Dimmable LED Power Supply (Waterproof, IP66)



| Model No. | AC input voltage range | Output |
|--|----------------------------|---|
| SL-VB-12XXX-A-DIM (SL-VB-24XXX-A-DIM) | 180-250 VAC 100-130 VDC | DC12V or 24V, Max. Output Options Output : 30W, 45W, 100W, 150W, 180W, 200W |

Constant Voltage Metal Power Supply (Non-waterproof, IP20)



| Model No. | AC input voltage range | Output |
|--------------------------------|------------------------|--|
| SL-V-12XXXPU (SL-V-24XXXPU) | 90-264V | DC 12V or 24V, Max. Output Options: 12W,24W |
| SL-V-12XXXP (SL-V-24XXXP) | 90-264V | DC 12V or 24V, Max. OutputOptions: 36W,48W,60W |

Constant Voltage Triac Dimmable LED Power Supply (Non-waterproof, IP20)



| Model No. | AC input voltage range | Output |
|--|----------------------------|--|
| SL-V-12XXX-T-DIM (SL-V-24XXX-T-DIM) | 180-250 VAC 100-130 VDC | DC12V or 24V, Max. Output Options Output : 20W, 30W, 45W |

Constant Voltage Power Supply (Waterproof, IP67)



| Model No. | AC input voltage range | Output |
|------------------------------|------------------------|--|
| SL-V-12XXXM (SL-V-24XXXM) | 170-250V | DC12V or 24V, Max. Output Options Output : 10W, 20W, 30W, 45W, 60W, 100W, 150W, 200W |

Constant Voltage Triac Dimmable LED Power Supply (Waterproof, IP66)



| Model No. | AC input voltage range | Output |
|--|----------------------------|---|
| SL-V-12XXX-A-DIM (SL-V-24XXX-A-DIM) | 180-250 VAC 100-130 VDC | DC12V or 24V, Max. Output Options Output : 60W, 80W |

Constant Voltage 0-10V Dimmable LED Power Supply (Non-waterproof, IP20)



| Model No. | AC input voltage range | Output |
|--|----------------------------|---|
| SL-V-12XXX-A-DIM (SL-V-24XXX-A-DIM) | 180-250 VAC 100-130 VDC | DC12V or 24V, Max. Output Options Output : 20W, 30W |