

# PRODUCT DATA SHEET

# SEEMLESS STRIP LIGHT SERIES

+DC24V

+DC24V



+DC24V

+DC24V

www.nurmanufacturing.com <

+DC24N

### Description

Our flexible SSL (Seamless Strip Light) series creates a seamless line of light from start to finish. The all new strip design Uses flip chip LED technology to eliminate visible LED dots (hot spots). The all new chip-on-board technology not only improves light quality, But also Improves thermal management and flexibility of the strip. The smaller LEDs can be packed tighter and weigh much less than the bulkier SMD 3040 or 5050 LEDs, creating a strip that can work in nearly any application. The spotless output make the SSL ideal for narrow Applications like display cases and backlighting, or where reflective surfaces such as granite and tile are used.

### Product Features

- LEDs have a High CRI > 90.
- Specification Grade LED Strip with premium 3M<sup>™</sup> Adhesive and 3OZ (10 Mil) Copper Weight.
- Highest Quality Components & Fully Dimmable
- 160° Beam Angle.
- SSL 10 mm(0.39 inch) Width 3 watt Per Foot and 4.4 watt Per Foot .
- Operating Temperature -4°F to +176°F (-20°C to 80°C).
- 24V DC Input .

- Cutting Increment: Color Balance - Every 1.036" (26.31 mm) RGB - Every 0.985" (25 mm), Single Color - Every 2.46" (62.5 mm)
- Single Power Feed Maximum Run Length:
  3 watt : 33 FT
  4.4 watt : 25 FT

### Strip Light Colors

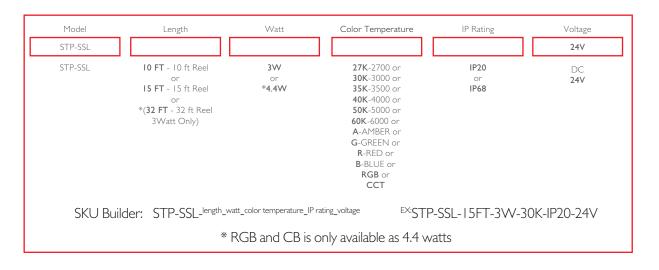


- Warm White 2200k~3500k
- Natural White 3450~4950k
- Cool White 5000k~10000K
- Red 620nm
- Amber 610nm
- Green 520nm
- Blue 455nm
- RGB-Red, Green, Blue(Color Changing)
- Color Balance(Color Tunable) 2700k-6000k

# Product Specific Specifications

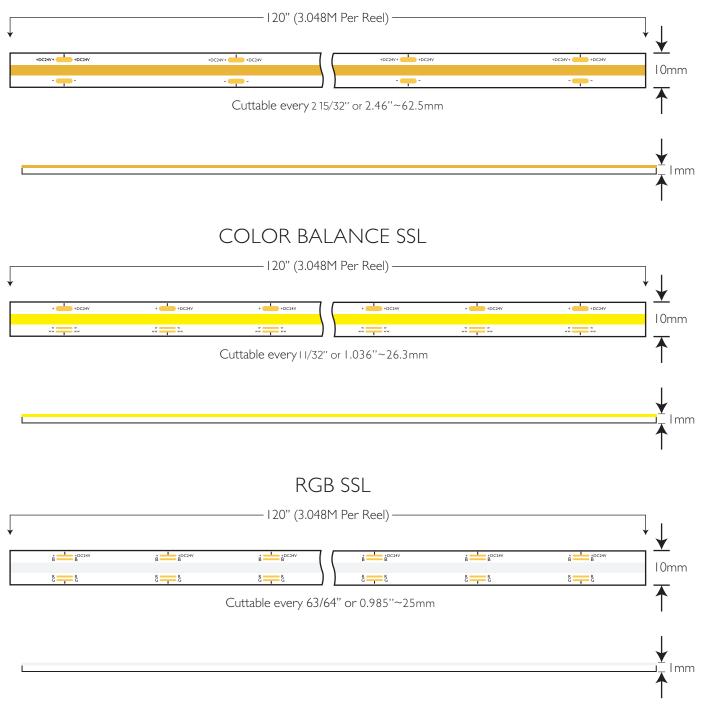
Model	Length	Watt	Color Temperature	IP Rating	Voltage
SSL	I0 FT or I5FT or *(32FT 3₩ Only)	<b>3W</b> or <b>4.4W</b>	27K-2700°K or 30K-3000°K or 35K-3500°K or 40K-4000°K or 50K-5000 °K or 60K-6000°K or A-AMBER or B-BLUE or G-GREEN or R-RED	<b>IP20</b> or <b>IP68</b>	DC 24V
		4.4W	RGB or CCT		
SI	KU Builder: STP-SS	length_watt_color temp	erature_IP rating_voltage EX:STP-SSL-15F	T-3W-30K-IP20-1	2V

# Ordering Code

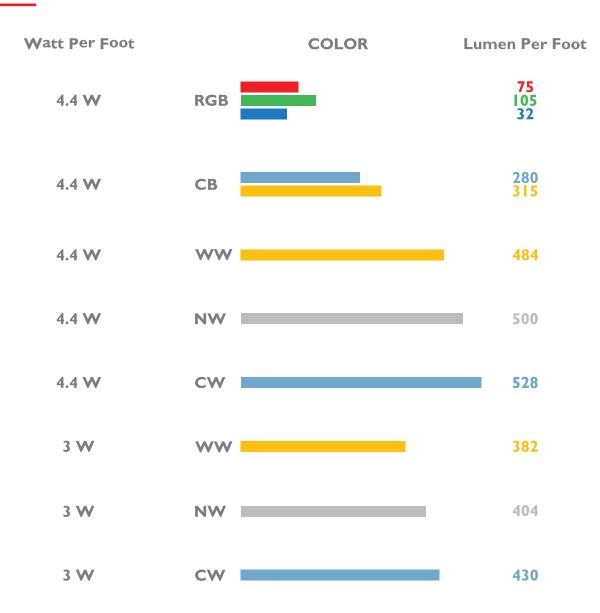


#### Dimensions

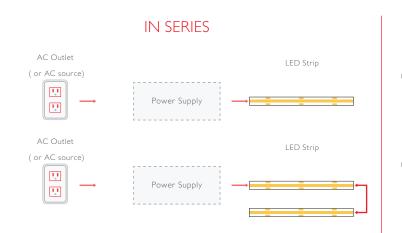
#### SINGLE COLOR SSL

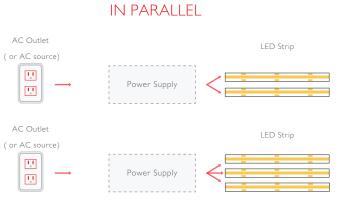


#### Lumen Per Foot



### Example Installation and Layout





## Dimming Options



A = Toggle switching



B = Line voltage dimming



C = Low voltage dinning



D = Automotive and marine



# SSL Connectors (Coupler)

#### SSL 2 Pin Coupler



SKU: CONN-SSL-10M-CLP-2P 5 amp rating. Operates on 12v - 24v DC.

# SSL Connectors (Bare Connector)

SSL 2 Pin Bare Wire Connector



SKU: CONN-SSL-10M-BARE-2P 5 amp rating

# SSL Connectors (Extender)

SSL 2 Pin Extension Connector



SKU: CONN-SSL-10M-EXT-2P 5 amp rating

# Strip Light Connectors (Bare Wire)

2 Pin Bare Wire



Wire Size: 18AWG, 20AWG Wire Length: 25ft 5 amp rating Suitable for single color striplights SKU: CONN-2PIN-BARE-20AWG-ID

▶ 3 Pin Bare Wire

Wire Size: 18AWG, 20AWG Wire Length: 25ft Suitable for RGB color changing striplights 5 amp rating SKU: CONN-3PIN-BARE-18AWG-ID SKU: CONN-3PIN-BARE-20AWG-ID

4 Pin Bare Wire



Wire Size: 18AWG, 20AWG Wire Length: 25ft Suitable for RGB color changing striplights 5 amp rating SKU: CONN-4PIN-BARE-18AWG-ID SKU: CONN-4PIN-BARE-20AWG-ID

# Strip Light Connectors (Quick Connectors)

Single Pin Connector with Bare Wire – Female Connector



Bare wire female connector can connect directly to power adaptors. 5 amp rating SKU: CONN-1PIN-FML-BARE(Lock)



Bare wire female connector can connect directly to striplight controllers. 5 amp rating SKU: CONN-1PIN-ML-BARE(Lock)

Single Pin Connector with Bare Wire – Male Connector

#### Male Connector 1 Pin Terminal



Male terminal connectors can connect directly to striplight controllers. 5 amp rating SKU: CONN-1PIN-TRMNL-ML

#### Female Connector 1 Pin Terminal



Female terminal connector can connect directly to power adaptors. 5 amp rating SKU: CONN-IPIN-TRMNL-FML

# Power Adapters (24W, 60W, 100W)

Outdoor Power Supply 0-10V dimming- 24V Output





	DC Output Voltage	Power Supply Watt	SKU
Л	24V	100W	PWR-010V-100W-24V-OD
	24V	200W	PWR-010V-200W-24V-OD

Outdoor Phase/Triac Dimmable Power Supply – 24V DC Output

			DC Output Voltage	Power Supply Watt	SKU
			24V	80W	PWR-DIM-NUR-24V-80W-OD
			24V	100W	PWR-DIM-NUR-24V-100W-OD
~-	~	~	24V	200W	PWR-DIM-NUR-24V-200W-OD

▶ Indoor Phase Dimming Power Supply – 24V DC Output

		DC Output Voltage	Power Supply Watt	SKU
(Conting: 6:1005)	Contraction of the second	24V 24V	25W 50W	PWR-DIM-NUR-24V-25W-ID PWR-DIM-NUR-24V-50W-ID

Junction Box (25W, 50W, 100W, 200W)

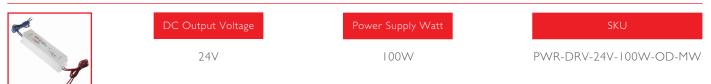
		Junction Box Watt	SKU
	- in the second	25W 50W 100W 200W	PWR-JB-25 PWR-JB-50 PWR-JB-100 PWR-JB-200

▶ MAGNITUDE Dimmable Driver (20-300W) – 24VDC Output

DC Output Voltage	Power Supply Watt	SKU
24V	20W	PWR-DIM-DRV-24V-20W
24V	60W	PWR-DIM-DRV-24V-60W
24V	100W	PWR-DIM-DRV-24V-100W
24V	200W	PWR-DIM-DRV-24V-200W
24V	300W	PWR-DIM-DRV-24V-300W

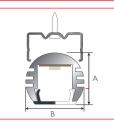
### Power Supply (Non-Dimmable)

Meanwell Power Supply-Outdoor Rated 12VDC or 24VDC

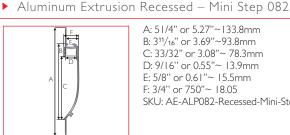


### **Compatible Aluminum Extrusions**

Aluminium Extrusions Suspended O-1818

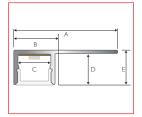


A: 11/16" or 0.68" ~16.6mm B: 7/32" or 0.47"~11.2mm SKU: AE-1818-Suspended O-1M SKU: AE-1818-Suspended O-2M

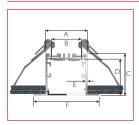


A: 51/4" or 5.27"~133.8mm B: 3<sup>11</sup>/16" or 3.69"~93.8mm C: 33/32" or 3.08"~ 78.3mm D: 9/16" or 0.55"~ 13.9mm E: 5/8" or 0.61"~ 15.5mm F: 3/4" or 750"~ 18.05 SKU: AE-ALP082-Recessed-Mini-Step-2M

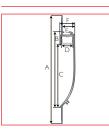
Aluminum Extrusion Recessed Mount – 087



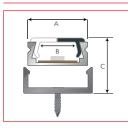
- A: 15/13" or 1.30"~33.1mm B: 1/2" or 0.52"~13.1mm C: 7/16'' or 0.41''~10.5mm D: 3/8" or 0.39"~10mm E: 7/16" or 0.43"~11mm SKU:AE-087-AP-REC-2M
- Aluminum Extrusions Deep Flange-A035



- A: | 3/8" or |.375"~35mm B: 1" or 1.00"~25mm C: 11/4" or 1.25"~31.75mm D: 1<sup>3</sup>/8" or 1.375"~35mm E: 1/16" or .06"~1.2mm F: 0.63"~55mm SKU:AE-A035-Deep Flange-2M
- Aluminum Extrusions Recessed Mount -086

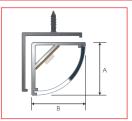


- A: 51/4" or 5.27"~133.8mm B: 3<sup>11</sup>/16" or 3.69"~93.8mm C: 33/32" or 3.08"~ 78.3mm D: 9/16" or 0.55"~ 13.9mm E: 5/8'' or 0.61"~ 15.5mm F: 3/4'' or 750"~ 18.05 SKU: AE-ALP086-Recessed-Step-2M
- Aluminum Extrusions Universal Slim-1506



A: 5/8'' or 0.62~15.21mm B: 3/16" or 0.1875~5.22mm C: 1/4" or 0.250"~7.04mm SKU:AE-AE-BK-1506-Uni Slim-1M SKU:AE-1506-Uni Slim-1M SKU:AE-1506-Uni Slim-2M

Aluminum Extrusions Quarter Round-1616

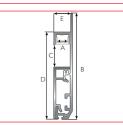


- A: 5/8" or 0.62"~16mm B: 5/8''or 0.62''~16mm SKU:AE-BK-1616-QRound-2M SKU:AE-1616-Quarter Round-2M SKU:AE-1616-Quarter Round-1M
- Round Surface Baseboard-18mm



A: 7/16" or 0.43~10.5mm B: 35/16" or 3.3"~ 84mm C: 11/16" or .6875~17.46 D:23/4" or 2.72"~69mm SKU:AE-SK1580-18-Surface Baseboard-2M

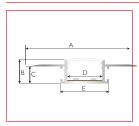
Recessed Baseboard-18mm



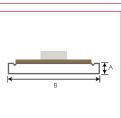
- A: 7/16" or 0.43~10.5mm B: 35/16" or 3.3"~ 84mm C: 11/16" or .6875~17.46 D: 23/4" or 2.72"~69mm E: 9/16" or .5625~14.8mm SKU: AE-SK1580TR-18-Recessed Baseboard-2M
- Aluminum Extrusions Double Wide Slim-2310



A: 15/16'' or .93"~23.62mm B: 3/8'' or .37''~10.4mm SKU: AE-2310-Double Wide Slim-2M Aluminum Extrusions Recessed – Universal Wide 071

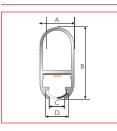


- A: 2 1/2" or 2.50"~61.50mm B: 9/16"or .56"~14.29mm C: 3/8" or .37"~9.53mm D: 13/16" or 0.81"~20.64mm E: 1 1/8" 1.13 28.70 SKU:AE-ALP071-Recessed-Uni-Wide-2M
- Aluminum Extrusions Flat-1201

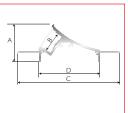


A: 5/8"or 0.62"~15.88mm B: 5/8"or 0.62"~15.88mm SKU:AE-1201-Flat-1M

Aluminum Extrusions Hanger-R003

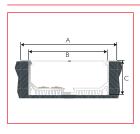


A: 9/16"or 0.56"~14.29mm B: 1 1⁄4" or 1.25"~31.75mm C: 5/16"or .31"~ 7.94mm D: 3/8"or 0.37"~9.53" SKU:AE-R003-Hanger-1M Aluminum Extrusions Recessed- Mud in Crown128

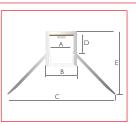


A: 1<sup>3</sup>/<sub>8</sub>" or 1.37"~34.93mm B: 3/4" or .75" 19.05mm C: 33/4" or 3.7"~95.7mm D: 2<sup>3</sup>/<sub>8</sub>" or 22.3"~56.8mm SKU:AE-ALP128- Mud-In-Crown-2M

Aluminum Extrusions Wide-Flange-055

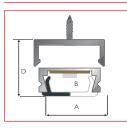


A: 3 1/2'' or 3.50"~88.90mm B: 27/8" or 2.95"~74.93mm C: 11/4" or 1.25~31.75mm SKU:AE-055-Wide Flange-2M Aluminum Extrusions Recessed – Inside Corner 069

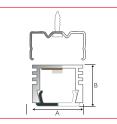


A: 3/8" or .37"~9.53mm B: 1/2" or .50"~12.70mm C: 1<sup>3</sup>/<sub>4</sub>" or 1.75"~ 44.45mm D: 5/16" or 0.31"~7.94mm E: 11/16" or 1.00"~26.99mm SKU:AE-ALP069-Recessed-Inside-Corner-2M

Aluminum Extrusions Universal Wide-1715

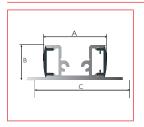


A: 11/16'' or .68"~17.46mm B: 1/2'' or .50"~12.70mm C: 5/8'' or .62"~15.88mm SKU:AE-BK-1715-Uni Wide-2M SKU:AE-1715-Uni Wide-1M ► Aluminum Extrusions Universal-1612

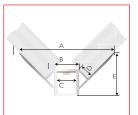


A: 5/8'' or .625"~15.88mm B: 1/2'' or .500"~12.70mm SKU:AE-1612-Uni-2M SKU:AE-1612-Uni-1M

Aluminum Extrusions Up Down-040L



A: 11/4" or 1.25"~ 31.75mm B: 11/16" or .68"~17.46mm C: 129/32" or 1.90"~48.6mm SKU:AE-040L-Up Down-2M Aluminum Extrusions Recessed – Outside Corner 070

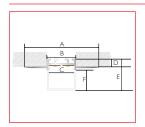


A: 2" or 2.0"~50.80mm B: 1/2" or .50"~12.70mm C: 3/8" or .37"~ 9.53mm D; 1/4" or .25"~ 6.35mm E: 7/8" or 0.87"~ 22.23mm SKU: AE-ALP070-Recessed-Outside-Corner-2M

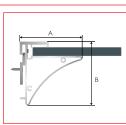


#### SEAMLESS STRIP LIGHT SERIES

Aluminum Extrusions Recessed-Wide Smooth 110

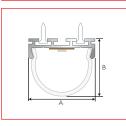


A: 2 1/2" or 2.50" 63.50mm B: 1" or 1.00"~ 25.40mm C: 7/8" or .875"~ 22.23mm D: 5/16" or .31"~ 7.94mm E: 1 1/8" or 1.13"~ 28.70mm F: 3/4" or .75"~19.05mm SKU: AE-ALP110-S-Recessed-Wide-Smooth-2M Aluminum Extrusions Shelf-044a



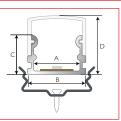
A: 2<sup>1</sup>/4" or 2.25"~57.15mm B: 2<sup>1</sup>/4" or 2.25"~57.15mm SKU:AE-044A-Shelf-2M

Aluminum Extrusions Smooth Round-2623



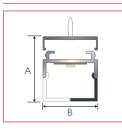
A: I 1/8'' or I.I.3''~28.70mm B: 7/8'' or .875''~22.23 SKU:AE-2623-Smooth Round-2M



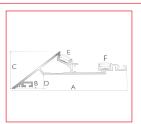


A: 5/8" or .625"~15.88mm B: 13/16" or .81"~ 20.64mm C: 9/16" or .56"~14.29mm D: 13/16" or .81"~20.64mm SKU:AE-2114-Smooth Square-2M

Aluminum Extrusions Smooth Track-011

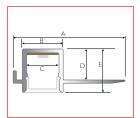


A: 3/4" or .75"~19.05mm B: 3/4" or .75"~19.05mm SKU:AE-011-Smooth Track-2M Aluminum Extrusions Double Cove-090

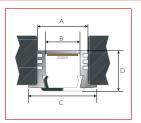


A: 5<sup>3</sup>/<sub>4</sub>" or 5.7"~146mm B: 1/8" or .125~3.18mm C: 1<sup>3</sup>/<sub>4</sub>"or 1.75"~46mm D: 3/4" or .75"~19.05mm E: 1/2" or .50"~12.70mm F: 1/2" or .50"~12.70mm SKU:AE-ALP090-Double-Cove-2M

Aluminum Extrusions Surface-Square 068



A: 13/8" or 1.37"~34.93mm B: 1/2" or .500~12.70mm C: 3/8" or .375"~9.53mm D: 3/8" or .375"~ 9.53mm E: 9/16" or .56"~14.29mm SKU:AE-ALP068-Recessed-Universal-2M Aluminum Extrusions Universal Recessed-2212



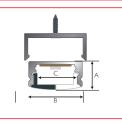
A:5/8"or .62"~15.88mm B:7/16" or .43"~11.11mm C:7/8" or .87"~ 22.23mm D:1/2" or .50"~12.70mm SKU:AE-2212-Uni-Rec-1M

Aluminum Extrusions Universal Slim Recessed-2206



A:5/16'' or 0.31~7.94mm B:7/8'' or 0.87~22.23mm SKU:AE-2206-Uni Slim-Rec-1M





A:1/4" or 0.250~6.35mm B:11/16" or 0.68"~17mm C: 7/16" or 0.43"~11.11mm SKU:AE-1706-Uni Wide Slim-1M)

#### Remotes

#### Milight Remote Holder



Milight RGB Remote

\* Holder for MiLight remote control. SKU: MILI-REM HOLDER





\* 4 zone warm white to cool white color changing remote. SKU: MILI-REM-CB

Milight RGBWW Remote



\* 4 zone RF RGBW color changing remote. SKU: MILI-REM-RGBW



\*4 zone RF RGBW color changing remote. SKU: MILI-REM-RGBWW

#### 8 Zone RGB+CCT Remote Controller



- \* Working Temperature: -4°F to 140°F
- (-20°C to 60°C)
- Voltage: 3V(2\*AAA Battery) \* Transmission Frequency: 2400-2483.5MHz
- \* Modulation Method: GFSK
- \* Transmitting Power: 6dBm
- \* Control Distance: 30m \* Standby Power: 15uA
- SKU: MILI-REM-RGBWW-8Z

### Panel Remote Controller

4-Zone Brightness Dimming Smart Panel Remote Controller



- \* Working Temperature: -4°F to 140°F (-20°C to 60°C)
- Voltage: 3V(2\*AAA Battery)
- \* Transmission Frequency: 2400-2483.5MHz
- \* Modulation Method: GFSK
- \* Transmitting Power: 6dBm
- \* Control Distance: 30m
- \* Standby Power: 15uA
- SKU: MILI-REM-DIM-4Z (Panel)
- 8 Zone Smart Panel Remote Controller



\*Working Temperature: -4°F to 140°F (-20°C to 60°C) \*Voltage: 3V(2\*AAA Battery) / DC3.3V \*-Transmission Frequency: 2400-2483.5MHz \*Transmitting Power: 6dBm \*Control Distance: 30m

- \*Panel Size: 4.17in. x 5.75in. x 0.79in. (106mm
- x 146mm x 20mm) SKU: MILI-REM-RGBWW-WALL-8Z

▶ 4 Zone RGB+CCT Smart Panel



SKU: MILI-REM-RGBWW-WALL-4Z

# MiBoxer<sup>®</sup> Controller & Amplifier

#### 4 Channel High Speed Amplifier



- \* Power twice as many LEDs in your project with the amplifier
- \* Compatible with all PWM series LED controllers in market
- \* Input Voltage: 12V/24V DC
- SKU: MILI-CONT-AMP



- \* 2.4GHz remote and smartphone control \* Compatible with single color, CCT, RGB, RGBW and RGB+CCT output mode \* Input Voltage: 12-24V DC
- \* SKU: MILI-CONT-RGBCB-STP
- Single Color LED Strip Light Controller



\* Adjust ON/OFF, brightness, color temperature and change light \* colors through voice command. SKU: MILI-WIFI-BRIDGE-G2



- \* 2.4GHz remote control and App control
- \* Compatible with single color output modes
- \* Input Voltage: 12-24V DC SKU: MILI-CONT-G2-DIM-STP
- RGB LED Strip Controller



\* 2.4GHz remote control and App control \* Color temperature adjustable from warm white to cool white, dimmable control SKU: MILI-CONT-G2-CCT-STP



\* 2.4GHz remote control and App control Mix Red, Green and Blue light to adjust color temperature.

SKU: MILI-CONT-G2-RGB-STP

#### RGBW LED Strip Controller

Dual White (CCT) LED Strip Controller



- \* 2.4GHz remote control and App control
- \* 16 million colors to choose from
- \* Input Voltage: 12-24V DC SKU: MILI-CONT-G2-RGBW-STP

## Sun Richer<sup>®</sup> Controller

5A 4-Channel 12-36V Constant Voltage RF LED Strip Dimmer Controller
RF and WiFi RGBW Wall Mounted Touch Panel LED Controller



- \* Constant voltage LED strip dimmer controller \* Input Voltage: 12-36V DC \* Suitable for single color, dual color and
- RGB/RGBW lights.
- SKU: CONT-SR-1009FA

### RF and Wi-Fi rotary LED Dimmer



\* Rotary dimmer controller which offers both switch and smooth brightness dimming functions for single color LED lighting. SKU: CONT-SR-2836DIM-US



RF and WiFi RGB Controlle

\* LED rotary dimmer switch which offers switch, brightness dimming and color tone adjustment functions SKU: CONT-SR-2836-RGB-US

\*User-friendly interface, easy and simple

receivers, each receiver maximally be controlled by 8 different remotes

\*Preset 10 changing modes, with pause

\*Control I zone, each zone can be set endless

\*Operation return function

SKU: CONT-SR-2820S-US

operation

function

### Safety And Disclosures

Installation must be in accordance with NFPA 70®, National Electrical Code® (NEC®)

To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.

Only install with a Class 2 DC Constant Voltage LED driver to meet UL requirements.

Do not install in environment where excessive heat may exist.

LED strip lights must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.

Do not install indoor LED tape light products in outdoor / wet location environments. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.

Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.

Make sure the appropriate gauge wire is installed between driver, LEDs, and any dimmers. When choosing wire, calculate voltage drop, maximum amperage rating, and the location ratings on the wire. Improper wire selection and installation could overheat wires, and cause fire.

Do not modify the product beyond the instructions or the warranty will be void.

We reserve the right to modify and improve the design of our fixtures without prior notice. Although we try our best to order the same colors every time, due to changes in technology and phosphors over time, we cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

### Warranty Information

#### Lighting Product Warranty

In the event that any product is found to have a manufacturer's defect within the warranty period, LED City® will, at their discretion, repair or replace the defective product/part, or refund the amount paid for the product. The warranty period is based upon the product and becomes effective from the date of shipment or invoice. The warranty does not cover aesthetic degradation of the product.

#### This warranty is void if:

- I. The product was operated or stored in abnormal use or maintenance conditions.
- 2. The product is repaired, modified or altered in any way.
- 3. The product is damaged by abuse, accident, or acts of nature.
- 4. The product was installed improperly or incorrect voltage was applied.
- 5. The product casing has been opened.

The LED industry is a vast and quickly growing industry and the products are continually evolving. Aesthetic appearance of goods may change from order to order. LED City® cannot guaranty the product will look exactly the same on different orders. If a defective product is repaired or replaced, company cannot guaranty that the brightness or color temperature will match exactly the same as the other products ordered. Since the LED is newer and comes from a different manufacturing batch, color temperature and brightness may not be exactly the same. Furthermore, LED's brightness can vary depending upon levels of usage, temperature operated in, and conditions of the fixture.

Product repair, replacement or refund is LED City's® sole warranty obligation, and incidental and consequential damages are excluded. No one is authorized to make any other warranties on behalf of LED City®, or modify this warranty, except in a separate written paper document under signature of a corporate officer of LED City® then-listed with the Texas Secretary of State.

Company will not be liable for repairing damages or failures caused by acts of God, abuse, mishandling, alteration, accident, electrical current fluctuations, failure to follow operating, maintenance or environmental instructions prescribed by Company, abnormal usage, or any other use or application for which the Products are not intended. LED City® will not be liable for incidental or consequential damages connected with or in lieu of using its goods or services in respects to loss of property, damages, revenues, life or limb, personal injury, claimant's remedies will be limited only to repair or replacement of the goods equal to the cost of the non-conforming goods.