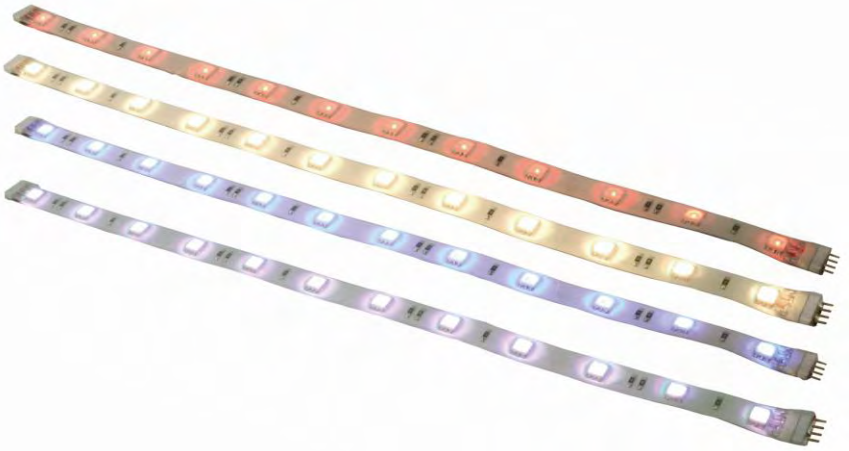


# ENFORCER<sup>®</sup>

Flexible LED Strip

## Manual



LED Color	Model
Red	SL-S212-RAQ
White	SL-S212-WAQ
Blue	SL-S212-BAQ
Yellow	SL-S212-YAQ

- Flexible LED Strip easily installs anywhere.
- Can be cut every 3 LEDs.
- Energy efficient—only 2.4W.
- Gold plated connector for reliability.
- Connect up to 30 12-inch LED Strips.
- Self adhesive backing for easy installation.
- Wide 120° beam spread.
- Reverse polarity protection.
- Three brightness levels.\*

\*May require additional wiring.

## Overview:

The SL-S212 series of ENFORCER Flexible LED Strips provides energy efficient illumination in a flexible package, perfect for a wide variety of indoor lighting applications. The lightweight Flexible LED Strips can be placed anywhere, trimmed to length and output only minimal heat.

## Specifications:

Operating voltage	12VDC	Number of LEDs per strip	12
Current draw per LED Strip	200mA@12VDC	Distance between LEDs	1" (25mm)
Current draw per 3-LED segment	50mA@12VDC	Operating temperature	-5°~115° F (-20°~45° C)
Dimensions	12"x7 <sup>7</sup> / <sub>16</sub> " (305x10 mm)	Weight	0.4-oz (11.4g)

## LED Specs:

Model	Color	Color temperature / Wavelength	Lumen output
SL-S212-WAQ	White	2500~3500 K	1200~2000 mcd
SL-S212-BAQ	Blue	465~475 nm	400~500 mcd
SL-S212-RAQ	Red	620~635 nm	950~1050 mcd
SL-S212-YAQ	Yellow	585~595 nm	950~1050 mcd

## Installation:

### WARNINGS:

- ⚠ THE SL-S212 FLEXIBLE LED STRIP IS FOR INDOOR USE ONLY AND SHOULD NOT BE EXPOSED TO MOISTURE, WEATHER OR HIGH HUMIDITY.
- ⚠ DO NOT FOLD STRIP. DO NOT BEND STRIP REPEATEDLY OR INSTALL IN SUCH A WAY THAT MAY CAUSE STRIP TO BEND REPEATEDLY. DAMAGE MAY RESULT.

### • Mounting:

1. The LED Strip can be mounted anywhere using the self adhesive mounting strip on the back.
2. For installations where use of the adhesive strip is not practical or not applicable, use another fastener such as optional SL-SAS-SH1Q Strip Fastener (sold in packs of 10).

**NOTE:** When mounting, do not pierce the LED Strip, as internal circuitry may be damaged.

### • End Caps: (Optional—Sold in packs of 10)

1. For protection against accidental short circuit, dust and water, place optional SL-SAS-EC1Q End Cap over the unconnected end of the LED Strip.
2. For further protection, seal end cap with silicon sealant.

**NOTE:** Sealing the end cap will increase the water resistance of the LED Strip but will not make it applicable for outdoor use. LED Strip is for indoor use only.

### • Power supply (not included)

1. Choose a power source which will supply 12VDC with current capacity of 200mA or more per LED strip connected:

$$(\# \text{ of strips}) \times (0.2A) \times (1.1^*) = \text{total current capacity required.}$$

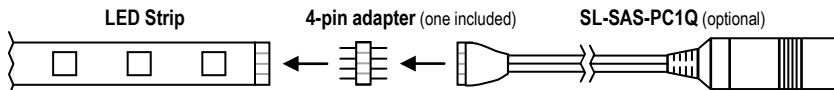
\*Always maintain a margin of safety by choosing a power supply with at least 10% additional current capacity.

2. The following ENFORCER 12VDC Power Supplies are ideal for use with the LED Strip:

Power Supply Model	Max. Supply Current	Number of Strips
ST-UV12-S0.5Q	0.5A	up to 2
ST-UV12-S1.0Q	1.0A	up to 4
ST-UV12-S2.0Q	2.0A	up to 9
ST-UV12-S5.0Q	5.0A	up to 24

• **Wiring**

1. Each LED Strip has a female pin connector at each end and one included 4-pin adapter.
2. Connect the 4-pin adapter to either end of the LED Strip.
3. Use the optional SL-SAS-PC1Q Power Connector (2.1mm) to connect the LED Strip to a power adapter. Use a CA-161R DC Plug to Removable Terminal Block adapter if required.



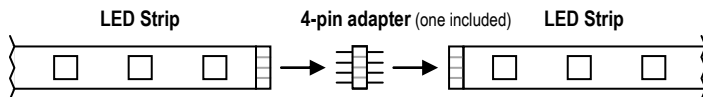
4. If use of SL-SAS-PC1Q is not desired, the LED Strip pin connections are as follows:



5. If at any time the strip fails to illuminate when power is connected, it is likely that the pins have been reversed. Flip the power connector over or reverse the power connections to correct the problem. The product is reverse polarity protected and damage will not result.

• **Connecting Multiple Units** (max. 30 strips)

1. Up to 30 LED Strips can be connected together in series.

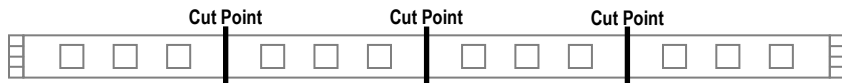


2. If any strip fails to illuminate when power is connected, flip end for end to reverse polarity.
3. The LED Strip is reverse polarity protected so inverse connection will not cause damage.

**WARNING: DO NOT CONNECT MORE THAN 30 LED STRIPS IN SERIES.**

**Cutting the LED Strip:**

1. The LED Strip can be cut to length every 3 LEDs using wire cutters, tin snips or strong scissors.
2. At any of the points shown below, cut as close to the mid-point between the LEDs as possible.
3. If desired, the cut end may be covered with electrical tape or silicon sealant.
4. Connect the shortened strip to the power supply. No further electrical connections are needed.



**Adjusting Brightness**

1. The brightness of the LED Strip can be adjusted to three levels.

**NOTE:** Brightness is not adjustable when using the SL-SAS-PC1Q power connector.

2. Connecting a different number of +12VDC pins to the power supply will change the brightness as shown in the chart on the following page.

Brightness	Number of pins	Connection Diagram
Maximum	Connect all +12VDC pins	
Medium	Connect two +12VDC pins	
Minimum	Connect one +12VDC pin	

**Recommended Accessories:**

**Power Connector**  
2.1mm - 20<sup>1</sup>/<sub>16</sub>" (51cm)



SL-SAS-PC1Q

**End Cap**  
Sold in packs of 10



SL-SAS-EC1Q

**DC Plug Adapter**  
w/ Removable Terminal Block



CA-161R

**DC Jack Adapter**  
w/ Removable Terminal Block



CA-151R

**LED Strip Fastener**  
Sold in packs of 10



SL-SAS-SH1Q

**Also Available from SECO-LARM:**

**LED Strobe Light**



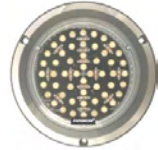
SL-1301-BAQ Series

**High Intensity**  
**1Wx4 LED Module**



SL-1311-MA

**52 LED Disk Module**



SL-1302-MA

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