

## C3S

SERPENTINE LED LINEAR ACCENT LIGHTING, LOW-POWER REMOTE POWER SYSTEM



## INSTALLATION INSTRUCTIONS

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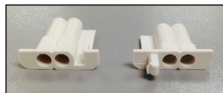


**WARNING:**

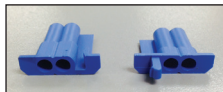
Read and understand these instructions before installing. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved. Turn off main power supply before you start installing C3R.

### ELECTRICAL RATINGS

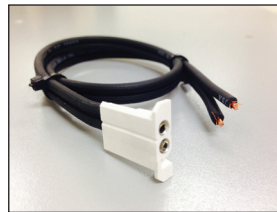
The C3R Rigid is a low voltage system, operating from 12V or 24V LED Driver. 12V is identified with white connectors. 24V is identified with blue connectors.



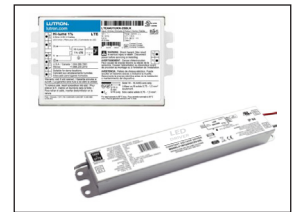
12V White Connectors



24V Blue Connectors



a) PFC



b) Power Supply

### HARDWARE PROVIDED

- (a) Power Feed Cable (PFC3-XX-XX-XX)
- (b) LED Driver Power Supply

### OPTIONAL HARDWARE

- (c) Jumper Feed Cable (JFC3-XX-XX-XX)
- (d) Mounting Track (C3S-TK-FX or C3S-TK)



c) JFC



d) Mounting Track

### DRIVER REMOTE DISTANCE

	Wire Gauge	Maximum Lead Length
12V Driver	18 AWG	10 ft (3m)
	16 AWG	15 ft (4.5m)
	14 AWG*	25 ft (7.5m)
	12 AWG*	40 ft (12m)

	Wire Gauge	Maximum Lead Length
24V Driver	18 AWG	15 ft (4.5m)
	16 AWG	25 ft (7.5m)
	14 AWG*	40 ft (12m)
	12 AWG*	60 ft (18m)

\* Terminal blocks on the drivers accept 18AWG or 16AWG wire. To use wire gauges larger than 16AWG connect up to 3 ft of 18AWG or 16AWG, then connect 14AWG or 12AWG with UL approved wire nuts up to the maximum lead length in the above tables.

## C3S INSTALLATION INSTRUCTIONS

### IMPORTANT MOUNTING NOTES

Self-adhesive tape on bottom of C3S-TK-FX track is not intended to be the only means to secure track to substrate; it is an aide to allow the track to be aligned during installation. Tempo recommends using a mechanical fastener (small screws, staples, pin nails, etc.) to permanently secure the mounting track prior to attaching fixtures. Care must be taken to avoid disfiguring the track where the fixture clips are located, otherwise the fixture clips may not properly attach to track

Alternative mounting method is with C3S-TK mounting track which is intended to be attached to substrate with small bead of general RTV silicone glue along length of track.

### STEP 1

#### Installing the mounting track:

Cut the mounting track to the required length. For tight corners, cut the track and position sections at the desired angle, **Figure 1**

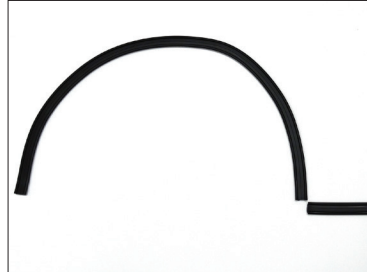


Figure 1

#### C3S-TK-FX (Track with adhesive backing):

Wipe the mounting surface with isopropyl alcohol or appropriate cleaner to ensure adhesion. Remove the film on the back of the track to expose the adhesive, **Figure 2**

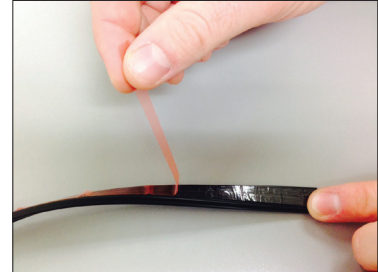


Figure 2

Apply track to mounting surface by pressing firmly to surface then permanently secure with staples or pin nails. **See note at top of page.**

#### C3S-TK (Non-adhesive track):

Directly secure with staples or pin nails. Alternative is to use RTV silicone glue.

**See note at top of page.**

## C3S INSTALLATION INSTRUCTIONS (CONTINUED)

### STEP 2

#### Installing the C3S Serpentine on the track:

Place the fixture over the mounting track and push it onto the track until the hooks on the fixture engage the lip of the track, as shown in **Figure 4 & 5**.

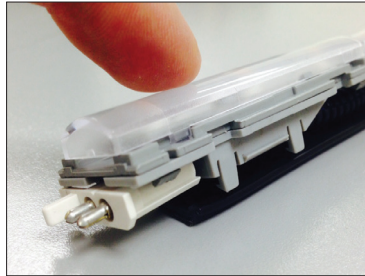


Figure 4

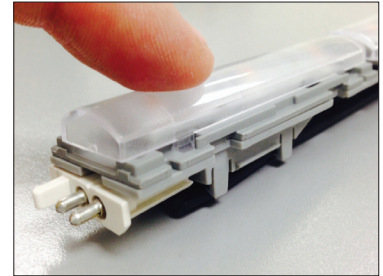


Figure 5

### STEP 3:

#### Connecting Power:

Install power supply in approved enclosure in close proximity to luminaire. See page 1 for driver remote distance guidelines.

Connect the female connector on the PFC to the male connector on the C3S Serpentine, **Figure 6**.

Connect the black wires of the PFC to the output wires of the power supply with wire nuts, **Figure 7**  
Note: There is no polarity with this system.

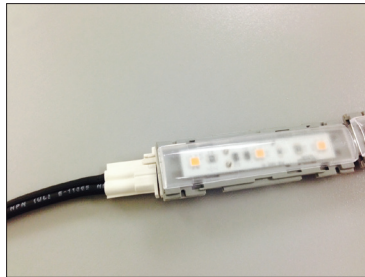


Figure 6

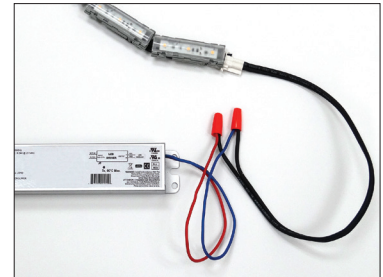


Figure 7

### STEP 4:

#### Connecting fixture to fixture:

The C3S can be joined to other C3S fixtures directly by connecting the male and female connectors on the fixture, **Figure 9**.

or by using the optional JFC, **Figure 10**.



Figure 8

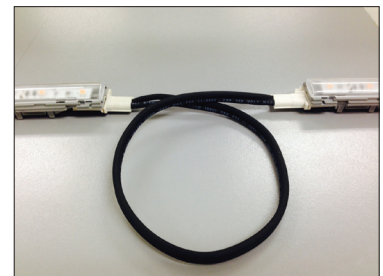


Figure 9