tempo® theatre

Guardian Step Nose

SUPPLEMENTAL FIELD TRIM & T-WIRE INSTALLATION

This supplemental instruction sheet is only for use with Guardian vinyl step-nose product that requires trimming in the field.

For full installation instructions please reference the ***Guardian Step and Aisle System Installation*** sheet found at tempollc.com.

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 your Guardian Step & Aisle System.

ELECTRICAL RATINGS

Low voltage systems, operating at 12V AC.

HARDWARE REQUIRED (BY OTHERS)

1) Handsaw and miter box or electric compound miter saw.
2) Wire Stripper/Cutter for use with 16ga and 22ga wires.
3) Butt Splice connectors.

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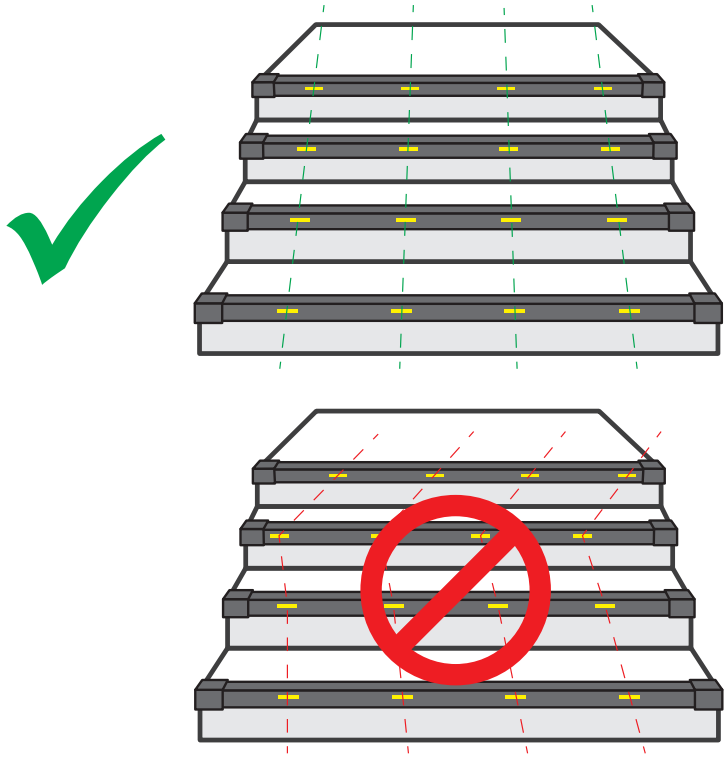
HOW TO CENTER LED'S ON STAIRS WITH DIFFERENT STEP LENGTHS



1. Start with the longest step. This step will determine the placement of the LED safety lights on the entire set of stairs.

2. If Guardian Lit Step Nose ordered is slightly longer than the longest step, begin by trimming equal amount of material from each end to fit length of longest step.
   For example, if Step Nose is 2 inches longer than the step, in wall-to-wall appliction, trim 1 inch from each end to keep LED lights centered across the step.

3. Refer to the next pages for examples of trimming for wall-to-wall steps and steps with one or two open ends requiring End Caps (i.e., Stairs with free standing hand rails.)

4. Visit Tempollc.com for *Guardian Step and Aisle System Installation* sheet for full installation details on installing Guardian Step Nose, wireways and accessories.

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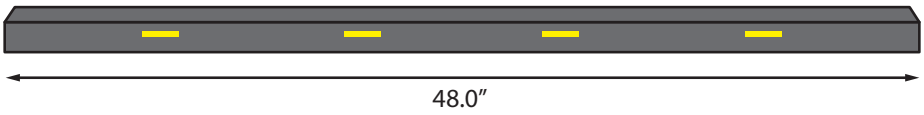
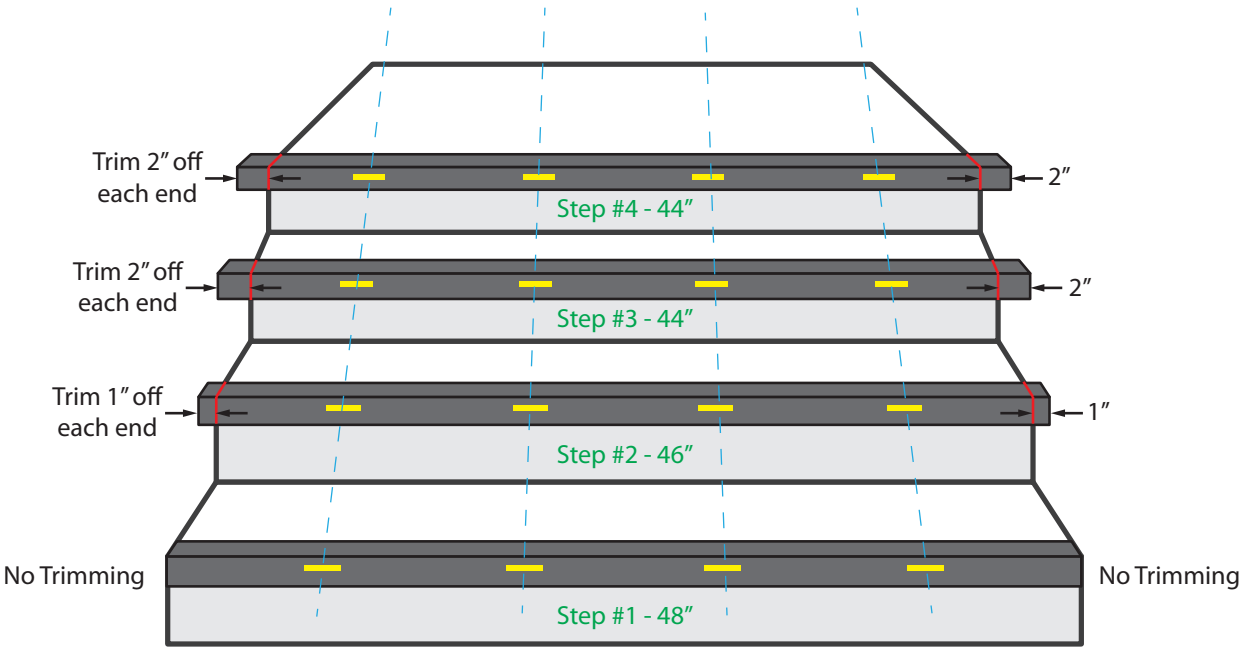
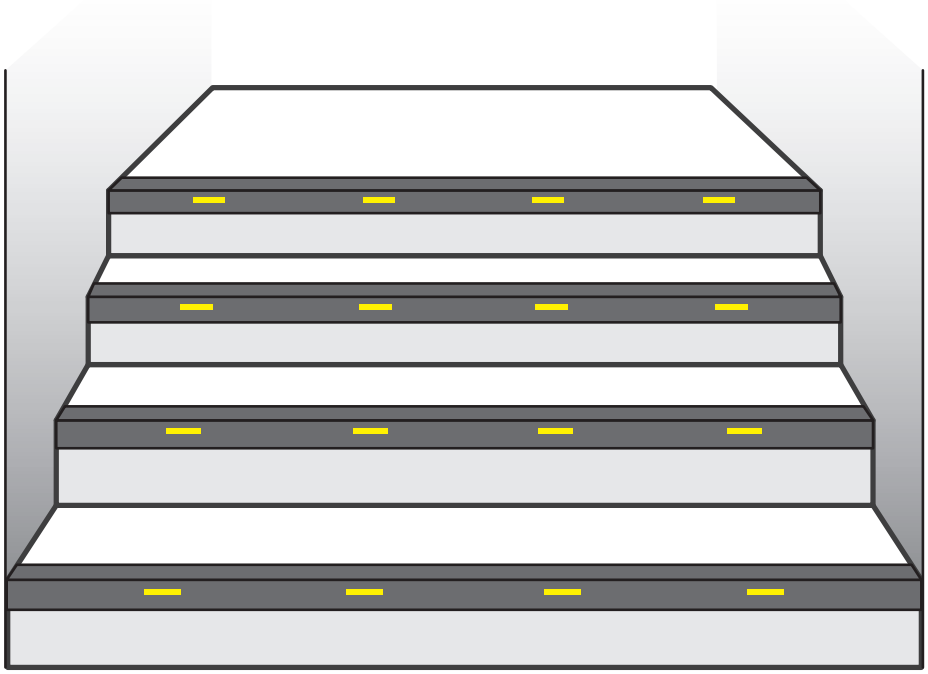
Example Shown using 48″ Guardian Lit Step Nose







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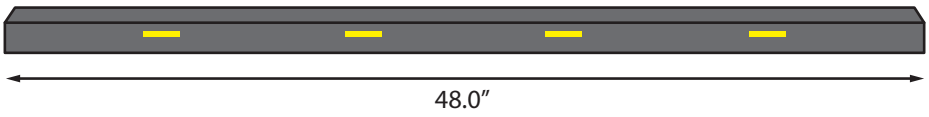

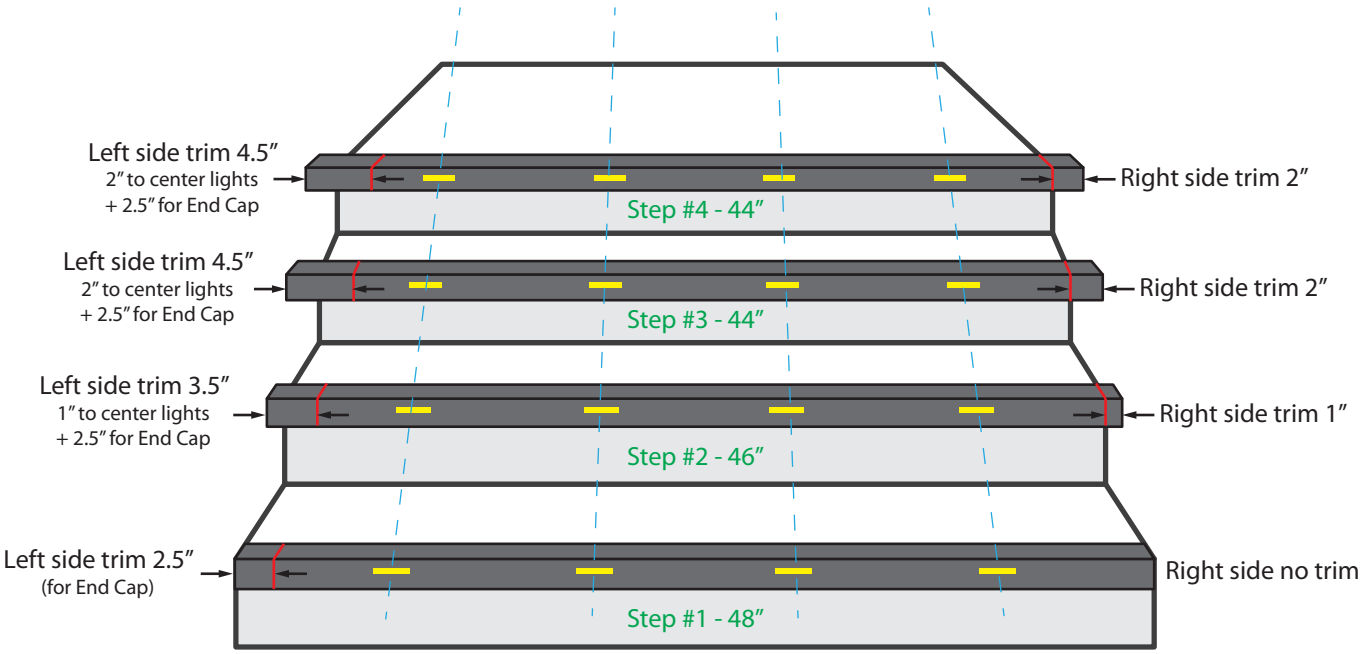

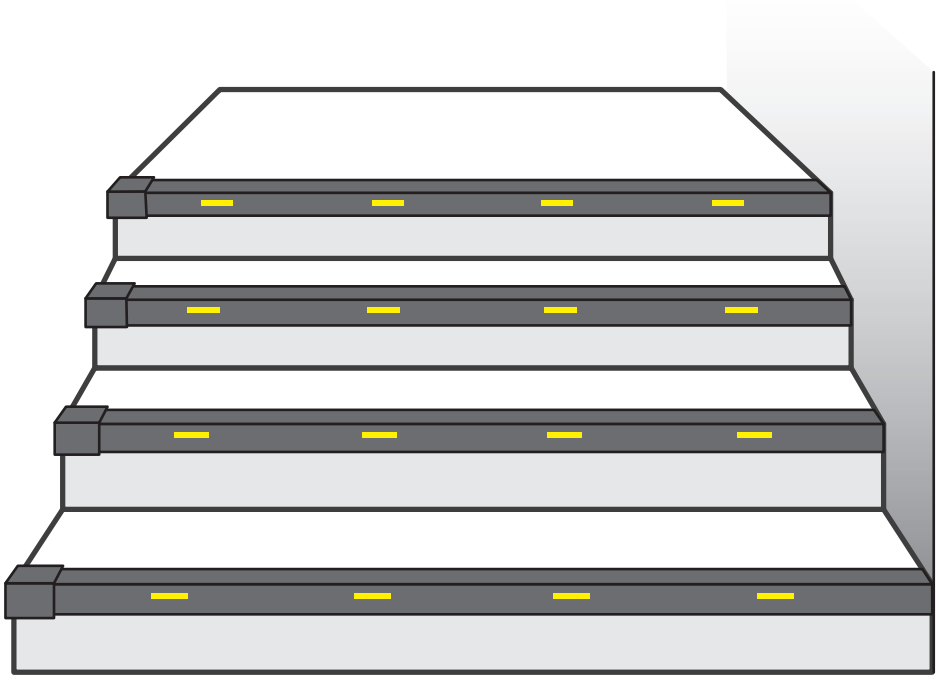

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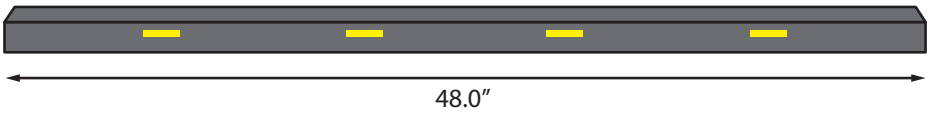

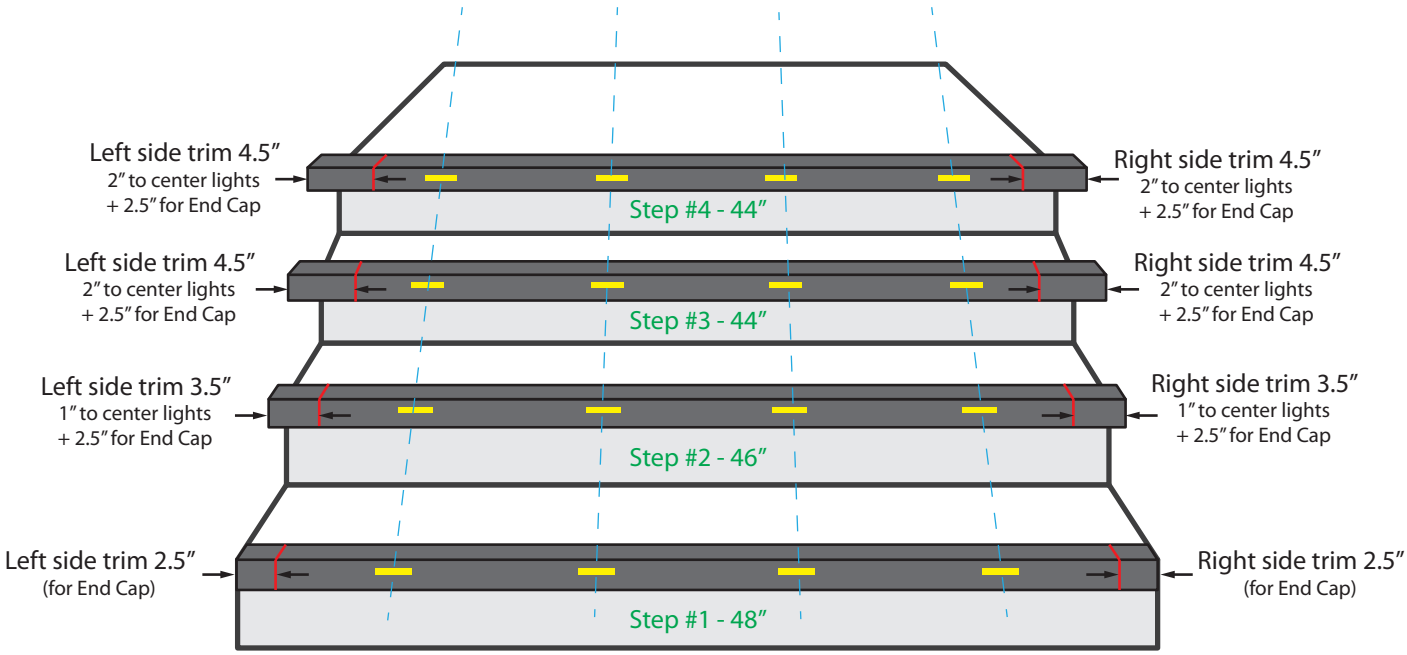

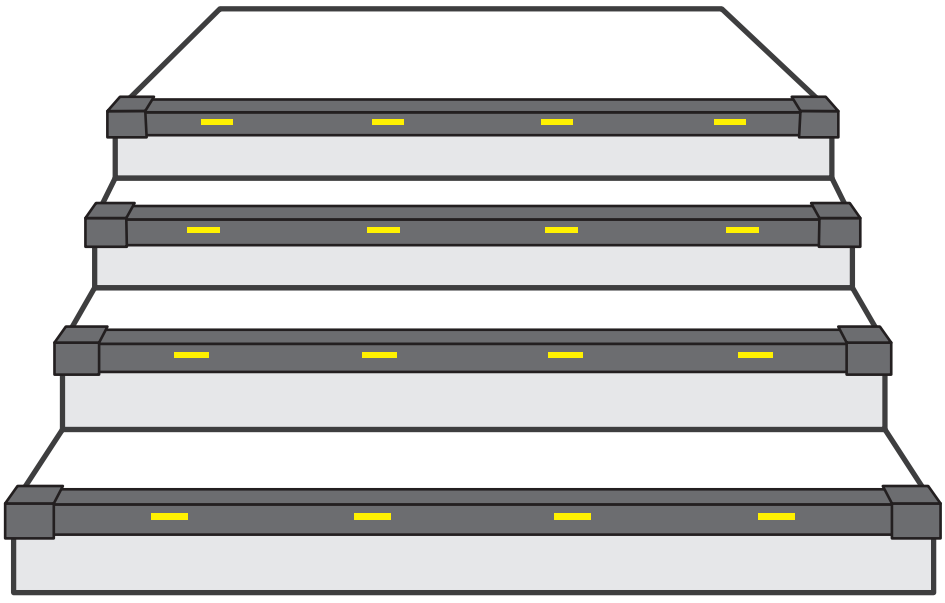

The T-Wire (WIR-STS3) is packaged as shown in photo below.

The heavier gauge wires (16 gauge) are 36" long on either side of heat-shrink tubing. These wires are to interconnect to power feed wires going from step to step - one pair of wires going up, one pair of wires going down.

The lighter gauge wires (22 gauge) connect to the LED module wiring within each Guardian Step Nose.

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These instructions are assuming the power feed wires are coming from top of stairs. Power feed can also come from bottom of stairs.

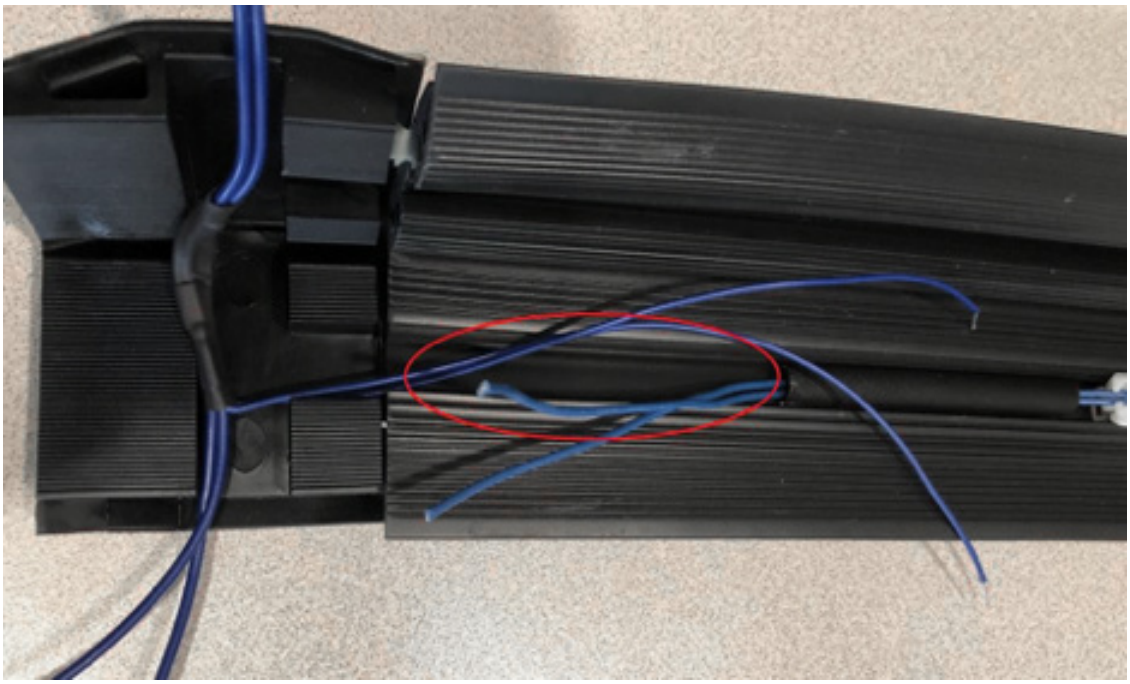
Trim and strip one side of the heavy gauge wire to length for connecting to main power feed wires from top step. Make connections using butt splice connectors that fit inside the wire raceways leading from step to step. There is no polarity; once both wires are connected, the circuit is complete.

Repeat process for other set of heavy gauge wires to connect to the step below.

Once reaching the last step in a series, the pair of wires going down can be cut off about 1/4 inch from the heat shrink tubing (within the area underneath the End Cap). It is best to stagger these two cuts slightly to avoid the possibility of shorting the two wires together. Each wire end then needs to be covered with electrical tape or crimped into a butt splice connector to act as a wire insulator.

WARNING: DO NOT SHORT THE WIRES TOGETHER AS THIS MAY DAMAGE THE TRANSFORMER.

The shorter, smaller gauge wires will connect to the LED module lead wires (pin wires) within each Step Nose. Trim and strip these wires in accordance with the step length to allow the butt splice connectors to be fit inside wire channel of the Step Nose as noted in area circled in photo below.



NOTE: The end cap has been staged in place on left side of Step Nose in photo above to show proper wire routing. This is for reference only as it is not fully installed onto the Step Nose.

Remember, End Caps add 2.5 inches to overall length of step. Refer to previous pages for field trimming to allow installation of End Caps and for full, physical installation of Guardian Step Nose visit Tempollc.com for the ***Guardian Step and Aisle System Installation*** sheet.

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