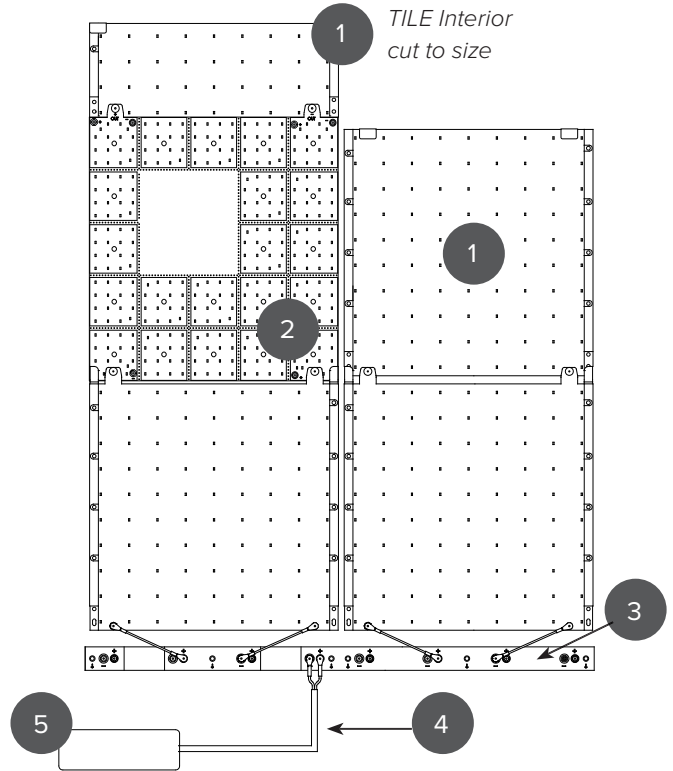


COOLEGE™

# COOLEGE TILE INTERIOR QUICK KIT INSTALLATION INSTRUCTIONS

## SYSTEM COMPONENTS

1	TILE Interior
2	TILE Interior Cut-out Kit ( <i>optional</i> )
3	TILE Interior Connector Kit
4	TILE Interior Starter Cable
5	LED Driver



## 1.0 IMPORTANT INSTALLATION NOTES

### Please read instructions below prior to installation

Installation must be completed by a qualified electrician in accordance with all national and local electrical and construction codes.

Ensure power is off prior to installation.

TILE Interior products are dry location rated only.

TILE Interior must be powered by a Coolege approved constant voltage Class 2 or LPS LED Driver.

Using a non-approved power source could damage the system and will void the warranty.

Caution: Observe precautions for handling electrostatic sensitive devices.



EN 60598 Compliant (as a system)



In Canada, TILE Interior must be installed within an enclosure



5 Year Limited Warranty: Parts and workmanship

Coolege Lighting Inc.  
120-13551 Commerce Parkway  
Richmond, BC V6V 2L1 Canada

O +1 604 273 2665  
F +1 604 273 2660  
T +1 844 455 4448  
W [cooledgelighting.com](http://cooledgelighting.com)

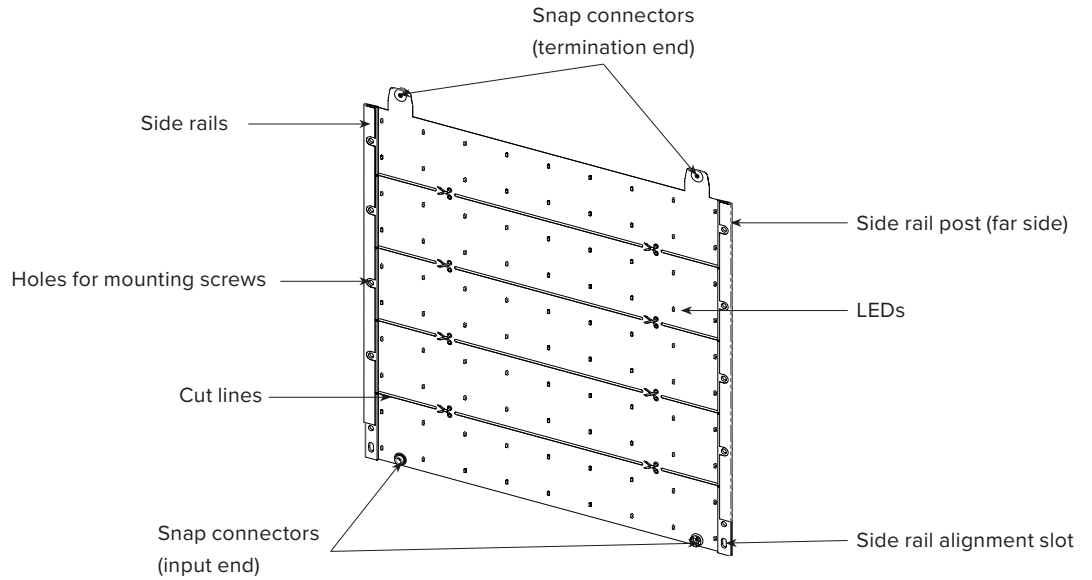
Coolege Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

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## 2.0 INTRODUCTION TO TILE INTERIOR

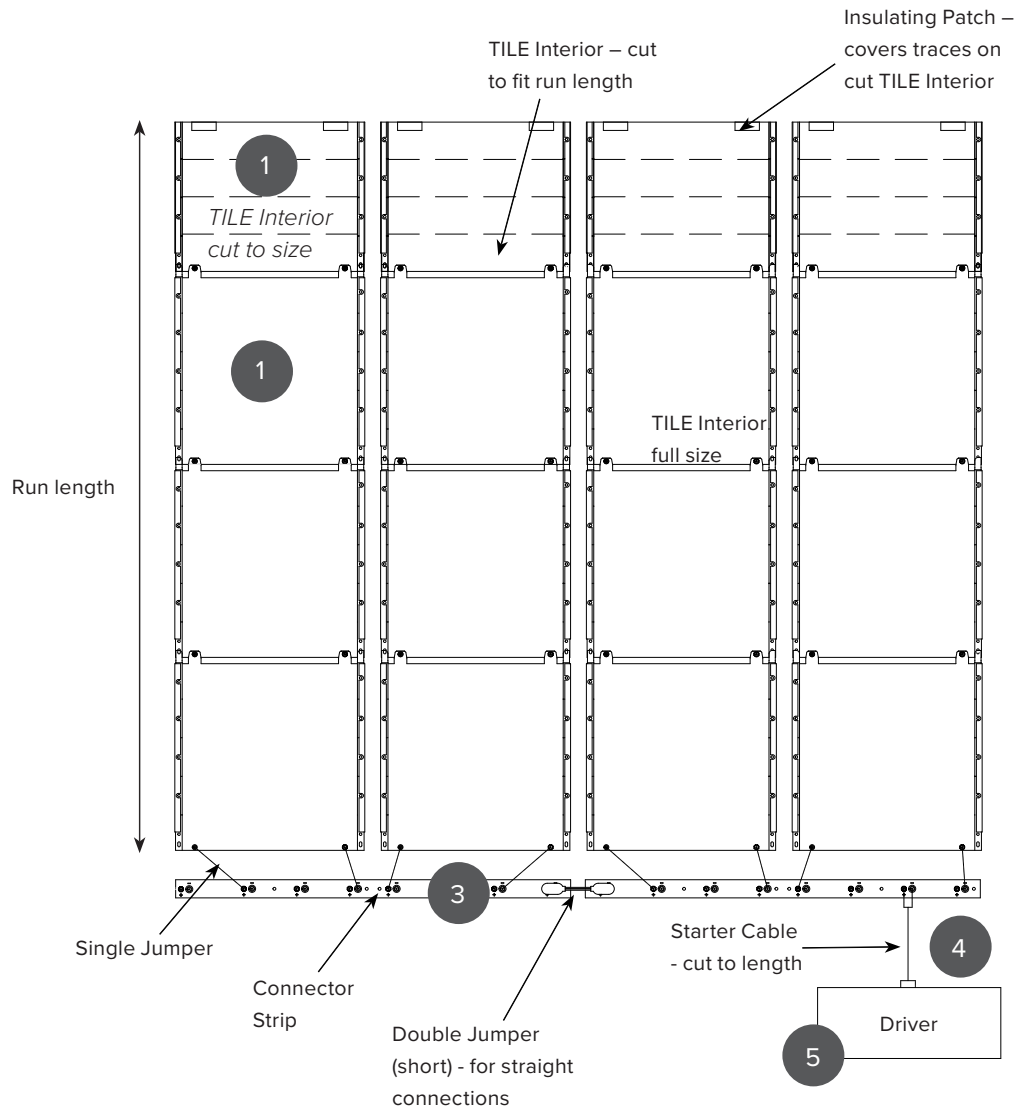
TILE Interior provides a flexible means of illuminating large areas.

TILES can be connected in series using snap connectors and can be installed on both flat and curved surfaces.



## 3.0 EXAMPLE INSTALLATION

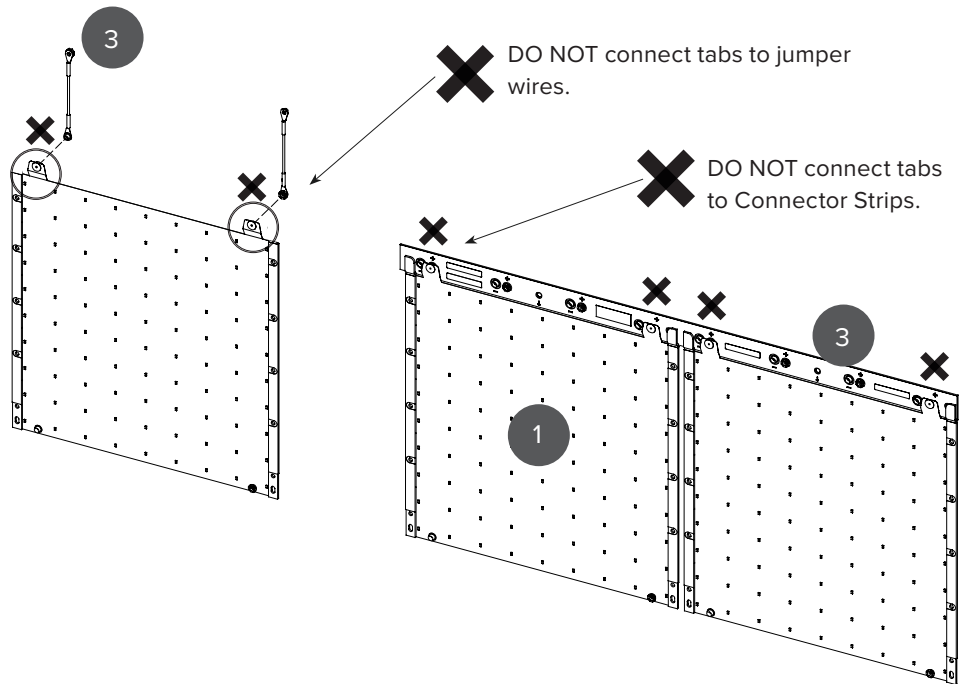
The installation below shows four (4) runs of TILE Interior. Each run consists of four (4) TILE Interior sheets connected in series. The Driver is connected to the system via Connector Strips that utilize Single Jumpers to contact the input end of the runs of TILE Interior.



## 4.0 INSTALLATION

**!** DO NOT CONNECT TILE Interior tabs to Connector Strips with the snap connectors at the termination end. Do not connect tabs to jumper wires.

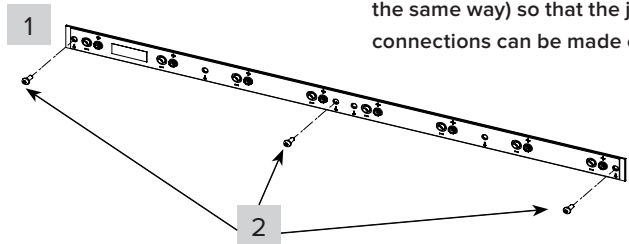
Single Jumpers MUST ALWAYS be used to connect TILE Interior to Connector Strips.



## 4.1 INSTALL THE CONNECTOR STRIPS

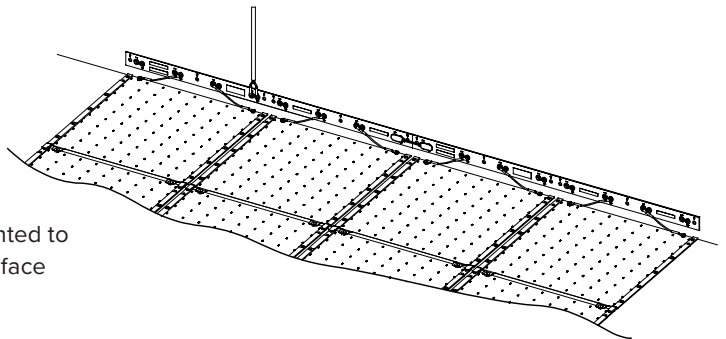
1. Remove the adhesive liner from the back of the Connector Strip, position the strip in the correct location, and stick the strip on to the surface avoiding folds and wrinkles.
2. Once attached in the correct location, secure the Connector Strip with fasteners appropriate for the mounting surface.

The strips MUST be oriented in the same direction (e.g. all the labels face the same way) so that the jumper connections can be made correctly.

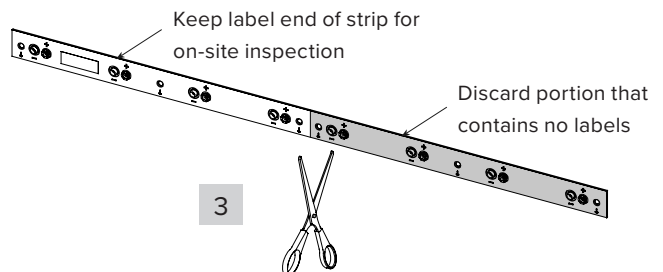


TIP - Connector Strips may be mounted to the inside walls of an enclosure if preferred as shown.

TILE Interior mounted to light box back surface



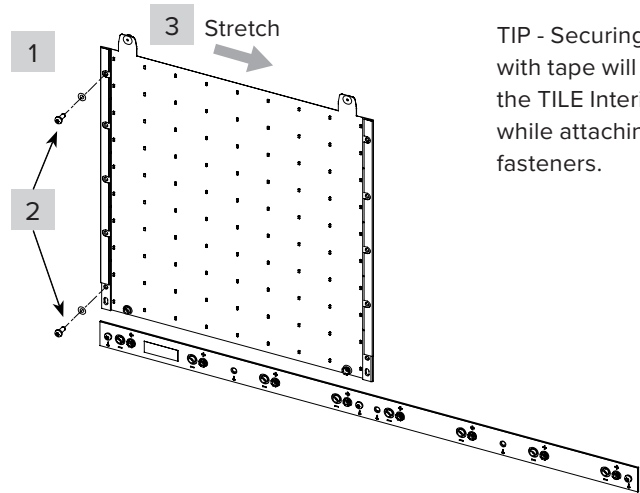
3. Connector Strips may be cut at the end of a series of runs where <math>< 2' (610\text{mm})</math> of space remains. Cutting can be done anywhere on the strips, except at snap connectors.



## 4.2 MOUNT THE 1ST RUN OF TILE INTERIOR

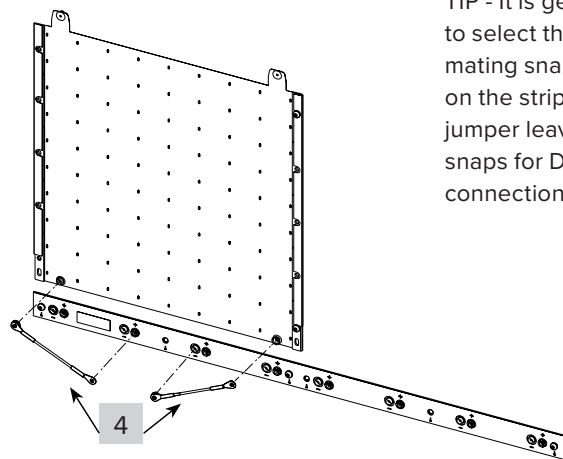
For ceiling mounted applications or where flatness is critical it is recommended to use double sided tape applied to the back of the sheets in addition to mechanical fasteners.

1. Beginning at the input end of a run, position the first TILE Interior where required, with the posts in the rails pointing to where the second TILE Interior will be located.
2. Fasten the sheet to the mounting surface along one (1) rail using two (2) #6 (or M4) fasteners appropriate for the mounting surface. It is recommended to use nylon washers to allow for expansion and contraction of the rails and prevent damage to TILE Interior.
3. Stretch the TILE Interior to lie flat against the mounting surface and fasten the second rail to the mounting surface.
4. Use two (2) Single Jumpers to connect the snap connectors on the input TILE Interior to the Connector Strip.



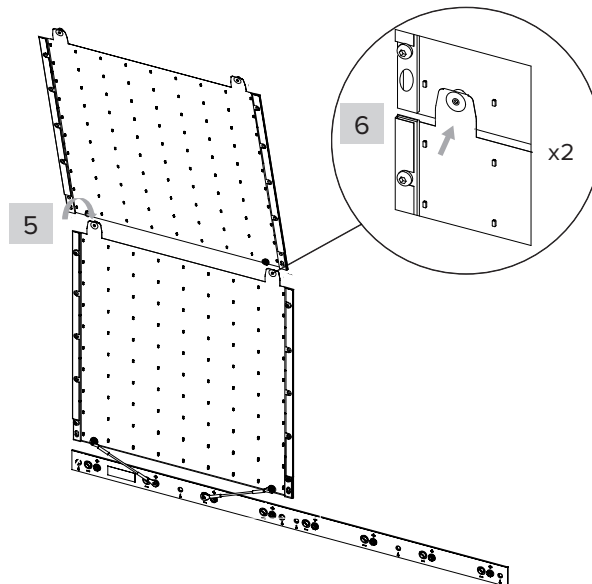
TIP - Securing the first rail with tape will help hold the TILE Interior in place while attaching with fasteners.

**CAUTION:** Disconnecting and reconnecting jumpers may damage the connectors on the sheets or Connector Strips if repeated more than 3 times.



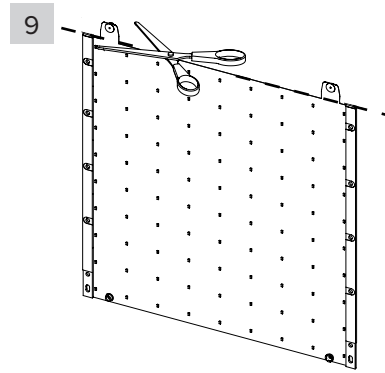
TIP - It is generally best to select the innermost mating snap connector on the strip to attach the jumper leaving the end snaps for Double Jumper connections.

5. Slide the next TILE Interior above the first.
6. Make the electrical connection between the two (2) TILES by gently pressing the snap connectors until they click together.
7. Once the second TILE Interior is aligned correctly, attach it in place as in Steps 1 and 2.
8. Repeat steps 4, 5 and 6 until the run is complete. For runs that terminate in a full length TILE Interior, please refer to Steps 9 and 10.

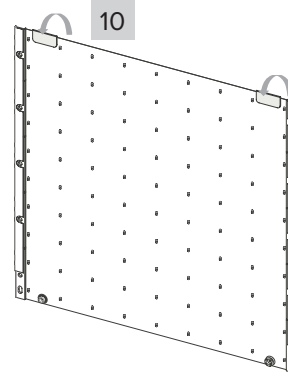


NOTE: For runs where the TILE Interior at the termination end must be cut to fit into the allowable space, please refer to Section 4.3: Cutting TILE Interior.

9. At the termination end of the run, cut the tabs and the unused rail hooks off of the top row of the TILE Interior sheet.



10. Place insulating patches over region of exposed TILE Interior where tabs were cut.



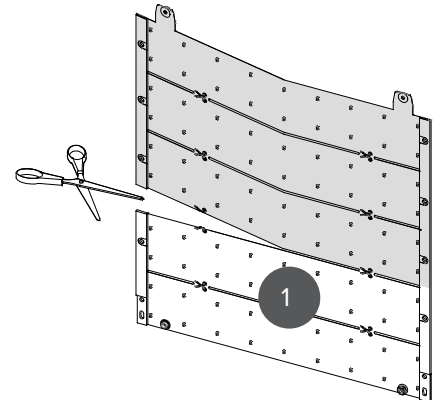
#### 4.3 CUTTING TILE INTERIOR

 TRIM ONLY ALONG THE CUT LINES SHOWN ON THE TILE INTERIOR.

TILE Interior may be cut to shorter lengths if required. The cut TILE Interior must always be placed at the termination end of a run as they can no longer be connected to additional TILE Interior. Cut TILES before mounting.

Use sharp scissors or snips to carefully cut along the white line of the TILE indicated by the scissor symbol. The plastic rails are notched at these points to aid cutting.

A TILE Interior can be cut to give 12" (30cm) wide x lengths of approximately 2.2" (56mm), 4.6" (117mm), 7" (178mm) or 9.4" (239mm) as shown.



#### 4.4 LED DRIVER INSTALLATION

Please see LED Driver Installation (included) for your specific model.

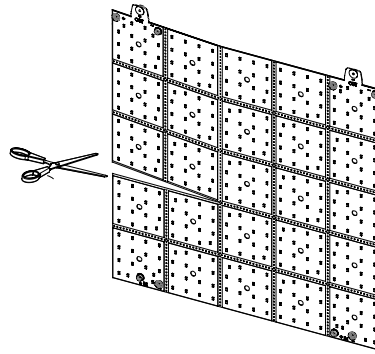
## 4.5 INSTALL THE TILE INTERIOR CUT-OUT KIT

You may encounter obstacles such as sprinkler heads or pipes which pass through the mounting surface. The TILE Interior Cut-out is designed to be used in these situations. The TILE Interior Cut-out can not only be cut in both directions, but interior sections of the TILE can be removed to work around the obstacle.

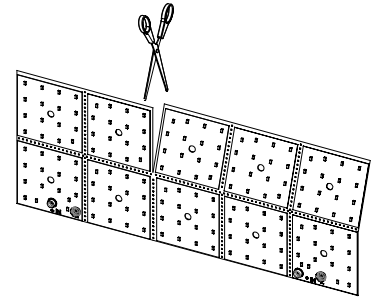
- ⚠ Trim only along the cut lines shown on the TILE Interior Cut-out
- ⚠ Discard the trimmed section of the sheet as it can no longer be used.
- ⚠ Do not cut the TILE Interior Cut-out while it is powered

The TILE Interior Cut-out sheet has double-sided adhesive foam tape on the back side. This tape ensures that the sheet is held flat against the mounting surface. Prior to applying the sheet, remove the liner on the back side of each strip of tape. Note that the foam tape is pressure sensitive and **MUST** be pressed down firmly along its entire length in order to achieve a bond. In order to do this, hold the sheet down with one hand while running one finger of the opposite hand down the cut line.

- ⚠ Be careful not to damage any LEDs while performing this task

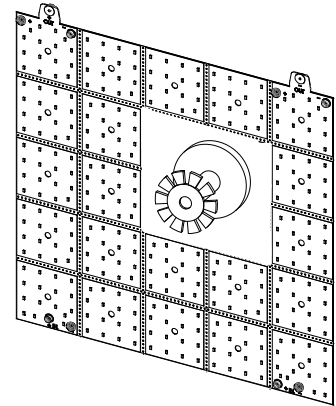


The TILE Interior Cut-out can be trimmed in both directions at 2.4" (61mm) increments.



2

The interior sections of the TILE Interior Cut-out can be cut at 2.4" (61mm) increments to work around obstacles.



NOTE: If an obstacle will be in contact with a cut edge of the TILE, all locations of contact should be insulated using white electrical tape or similar.

## 5.0 PRODUCT SUPPORT

Contact Cooledge Technical Support at:

E: [apps.engineering@cooledgelighting.com](mailto:apps.engineering@cooledgelighting.com)  
O: +1.604.273.2665  
T: 1.844.455.4448 (toll free – North America)