



JumpLights



Prism ETS™ Assembly Guide

 Refer to the Installation Guide document for next steps

Call 301-244-8419 for assistance

Designed, Assembled, and Tested in the USA 



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Important Assembly Information

LED Bar Types and Bin Codes

Prism ETS™ bars are available in differing light spectrums such as GH1, GH2, GH3, BKW and others. In addition, each Prism ETS™ bar has a specific bin code. The spectrum and bin codes are labeled using a yellow sticker on the back of the Prism ETS™ bar.

GH2-C

Spectrum

Bin Code

NOTE: For Prism ETS™ bars connected to the same LED driver, the Spectrum and Bin code must match as shown below in Table 1 Prism ETS™ Spectrum and Bin code matching. Mixing Prism ETS™ bars with different spectrum types or bin codes on a single LED driver may shorten the life of the Prism ETS™ bars or result in failure.

Bar Type and Bin Code Example Table

Bar 1	Bar 2	Acceptable?
GH1 Bin C	GH1 Bin C	✓
GH1 Bin C	GH2 Bin C	✗
GH3 Bin C	GH3 Bin D	✗

Table 1 Prism ETS™ Spectrum and Bin code matching



Warning: Handle LED Boards with Care

Do not bump, scratch, or apply pressure to the LED boards during handling, assembly, or installation. The LEDs are sensitive components and can be permanently damaged by impact or improper contact. Always support the fixture from the frame and avoid touching the LED surface directly.

Components

PRODUCT PART	IMAGE
PRISM ETS™ LIGHT BAR	
COTTER PINS	
ARRAY END CAPS	
DC CABLES <i>(The number of whips on the DC cables are dependant on the bar array outlined in your lighting plan. The Prism ETS™ 650 has a 3-bar array and the Prism ETS™ 430 has a 2-bar array.)</i>	

SECTION 1: Unboxing the Prism ETS™

[Skip to Section 3 If your light array arrives pre-assembled.](#)

Open the box and carefully remove the Prism ETS™ boards and assembly components. The components you receive will depend on the mounting system outlined within your lighting plan.

SECTION 2: Attaching the Array End Caps

The number of cotter pins provided to install the array end caps will depend on the type of light configuration you have received.

Tools Needed: Needle nose pliers and the provided cotter pins.

Step 1:

Ensure that all Prism ETS™ bars connected to the same LED driver have matching Spectrum and Bin codes. These codes are printed on the yellow sticker located on the back of each Prism ETS™ board. Verify that the codes are identical before proceeding.



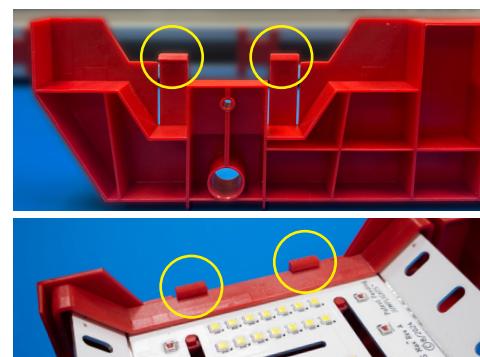
Step 2:

Flip each Prism ETS™ board so that the LEDs are facing up.



Step 3:

Attach the array end caps to both ends of the Prism ETS™ boards, making sure the flat edge of the red array end cap is facing downward. The red ends of each board should click into place, secured by two tab connectors.

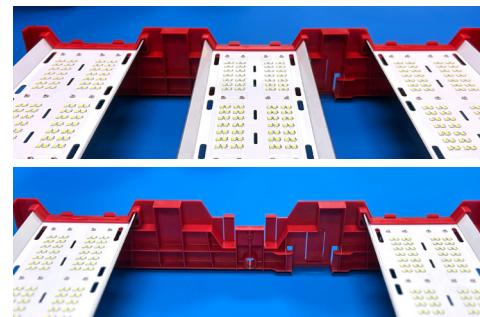


Prism ETS™ 650:

3 Prism ETS™ boards should be placed into all 3 slots of the array end caps.

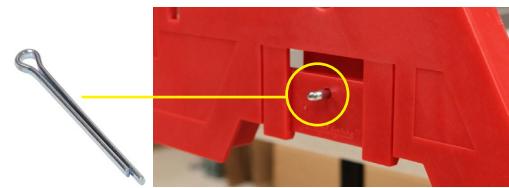
Prism ETS™ 430:

2 Prism ETS™ boards should be placed into the 2 outermost slots of the array end caps.

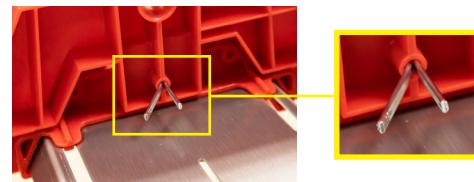


Step 4:

Carefully flip over the assembled light array and insert the legs of the cotter pins into the small holes on the array end cap so that the rounded head is flush against the outer surface of the array end cap.

**Step 5:**

Using needle nose pliers, bend the longer leg of each cotter pin to secure each board to the array end cap.



Note: Only install cotter pins on the sections of the array end caps where Prism ETS™ boards are mounted. For Prism ETS™ 430, you'll need just 2 cotter pins per side.



SECTION 3: Unboxing the Prism ETS™ (Assembled Light Array Only)**Step 1:**

Carefully remove the assembled light arrays from the crate and place them on a clean, flat surface — ideally padded or smooth to prevent damage. Remove the protective wrap and cardboard sleeve.

**Step 2:**

Flip the light array to have the LEDs facing downward.



SECTION 4: Connecting the DC Cables to the Prism ETS™

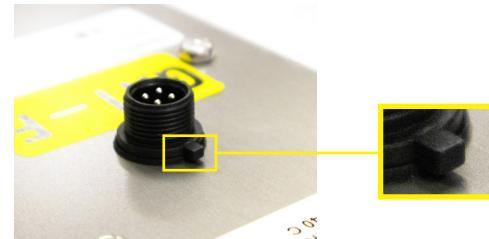
Note: The cable type will depend on the light configuration outlined in your lighting plan. For this guide, we are showing a Prism ETS™ 650.

IMPORTANT:

Proper cable connections are critical. Failure to follow these steps may result in a blown fuse and/or damage to the light that will require repair.

Step 1:

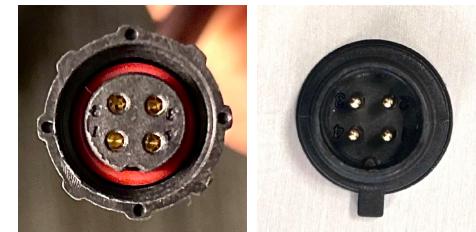
Locate the three panel-mount connectors on the back of the Prism ETS™ board. The panel-mount connectors should have 4 pins inside of them. Ensure that the alignment tabs on all connectors are facing the same direction. These tabs indicate the correct orientation and help guide proper installation.



NOTE:

Each female DC cable connector has a slot inside the connector.

This slot must align precisely with the detent (tab) located inside the panel-mount connector to ensure proper connection.



Female DC cable connector Panel-mount connector

Step 2:

Begin with the center DC cable connector. Carefully align the detent in the DC cable connector with the slot on the panel-mount connector. When aligned correctly with some pressure, the connector will slide down and seat firmly onto the panel-mount connector. Once seated, twist until it is fully secured.



Step 3:

Follow the same alignment and seating process for the left and right connectors. Make sure each one is properly aligned (detent-to-slot), fully seated, and tightly screwed in by hand.





Assembled Prism ETS™ 650



Assembled Prism ETS™ 430



**Congrats! Your Prism ETS™ is assembled!
For additional assistance, call 301-244-8419**