



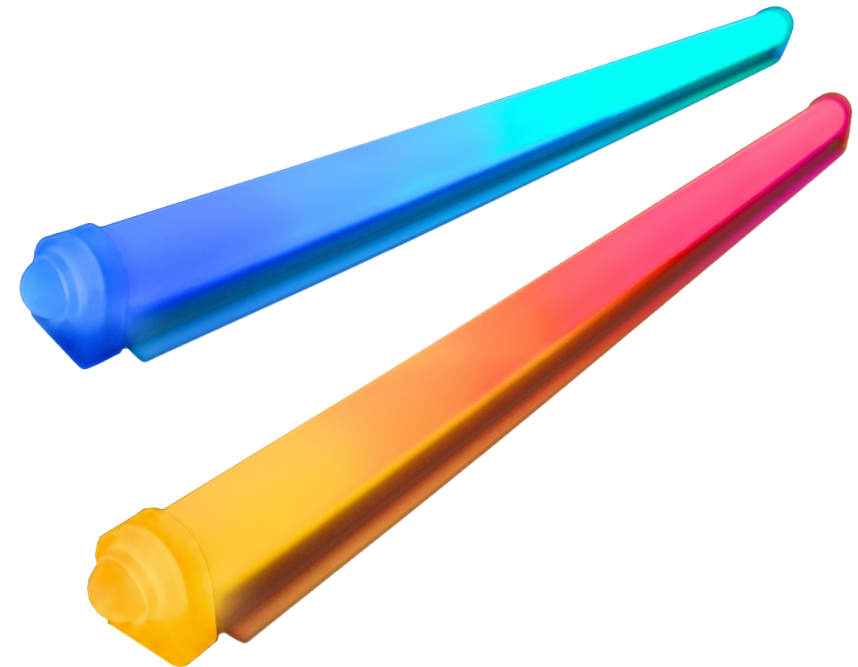
ARBT - RGB ADDRESSABLE

SkyLine LED Rigid Border Tube Installation Instruction



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Installation Instruction

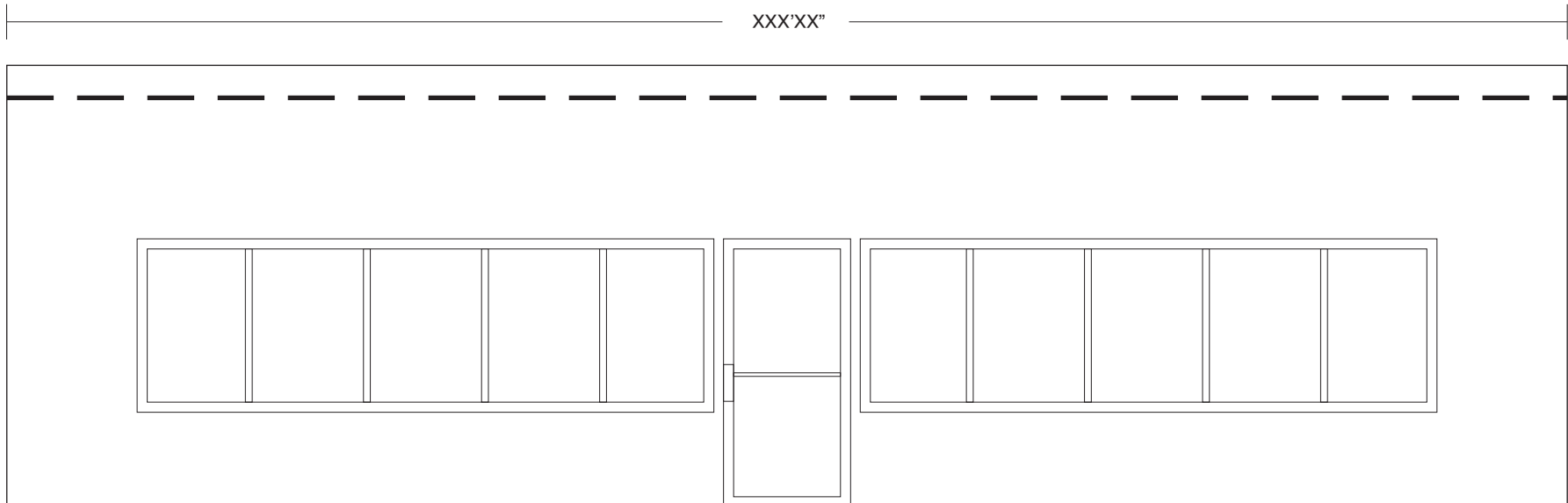


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#21-068
07.27.26

Project Planning and Preparation(s)

What you will need for parts and pieces...

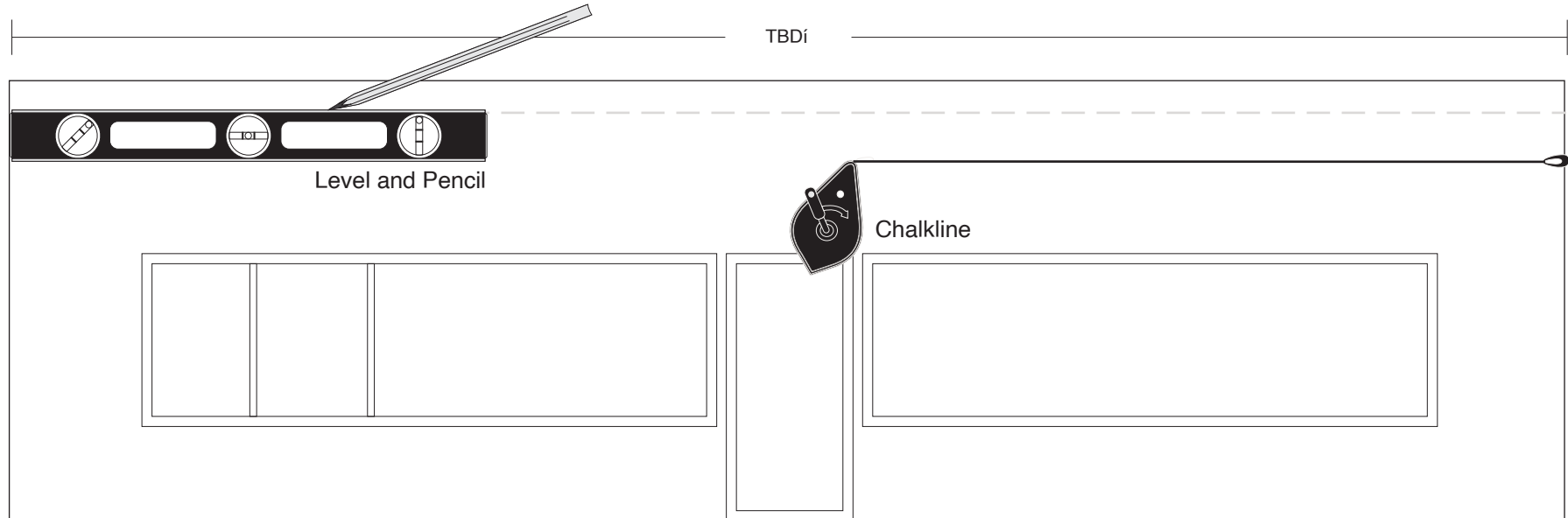


Step One: Take a linear measurement of the overall length of the portion of the building where you plan to install the border tube(s).

Step Two: Divide the overall length by the best stock sized tube(s) to achieve the most esthetically appealing installation.
For example if this building was 41' long the optimal sized tube would be ARBT-98-CW meaning that the tube is 98" long and Cool White in color. Based on that you would specify (5) of this unit P/N to complete the project with the least amount of seams.

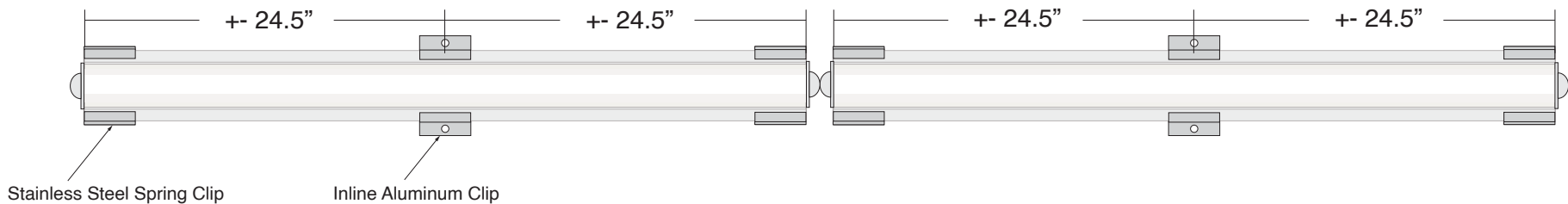
Project Planning Laying Out the Installation:

Where you will apply the border tubes and proven methods for layout.



Step Three: Using a Level or a Chalk line make a line across the entire length of the installation This will ensure that each tube applied will stay on the same level plane.

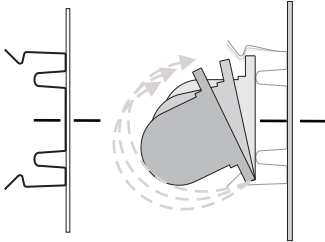
Step Four: After you have determined how many mounting clips you will need, install them spaced according to the length of the specified tube(s), spacing them + or - 24.5" on center. for pieces less than 26" long you will install the fixture using one spring clip on each end.



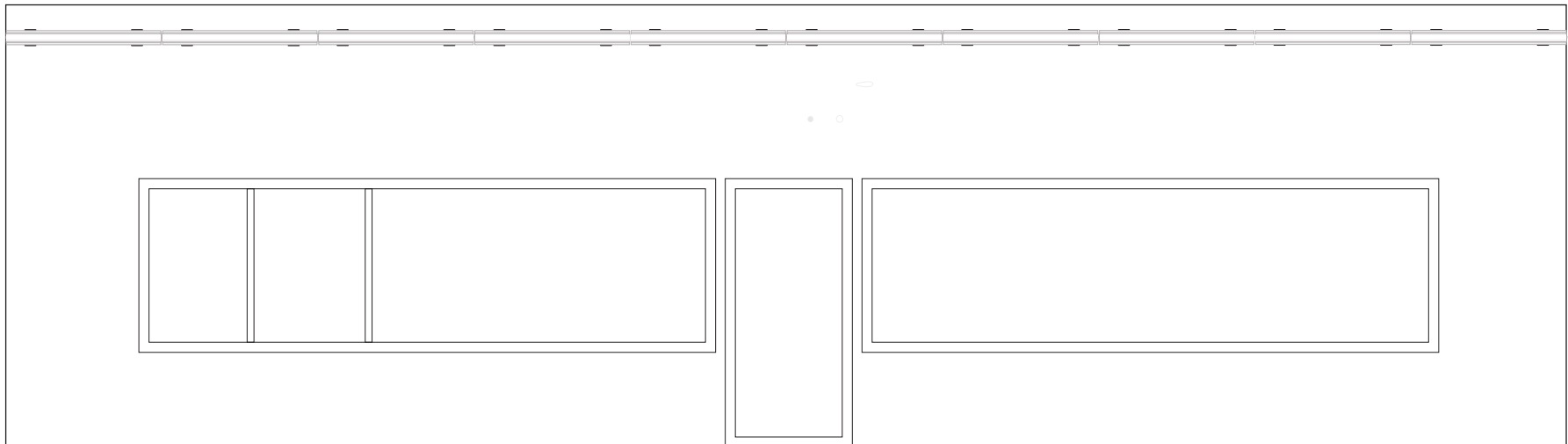
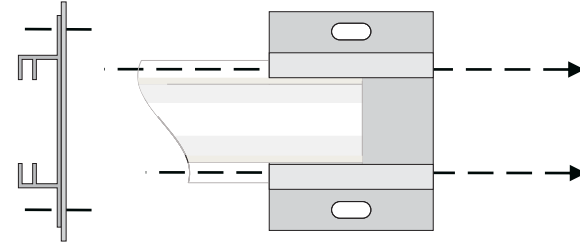
Project Installation and Wiring:

Note: All electrical connections must be completed by qualified person(s) and in accordance to local electrical codes.

Stainless Steel Clip



Aluminum Slide Clip



Step Five: Install the border tubes beginning at an end while making sure not to compress the soft end caps leaving a minimum of 1/4" between each fixture, thus allowing for normal expansion and contraction.

Step Six: Make all electrical connections based on the manufacturers' recommendations and test lighting. Finish all connections and apply primary power and verify all tubes are lighting.

Tools Needed and Caution for Installation



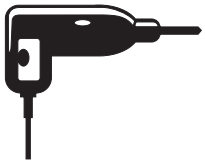
Level



Tape Measure



Chalk Line



Drill / Hammer Drill



Linemen's Plier



Philips / Robertson Head Screwdriver



This product **cannot be field cut.**
Custom lengths are provided by
the factory, cutting will **Void Warranty**

Do Not Drill through the mounting
flange or any part of the fixture for
any reason it will **Void Warranty**



Handle with care, Do Not Force,
striking this product will **Void Warranty**

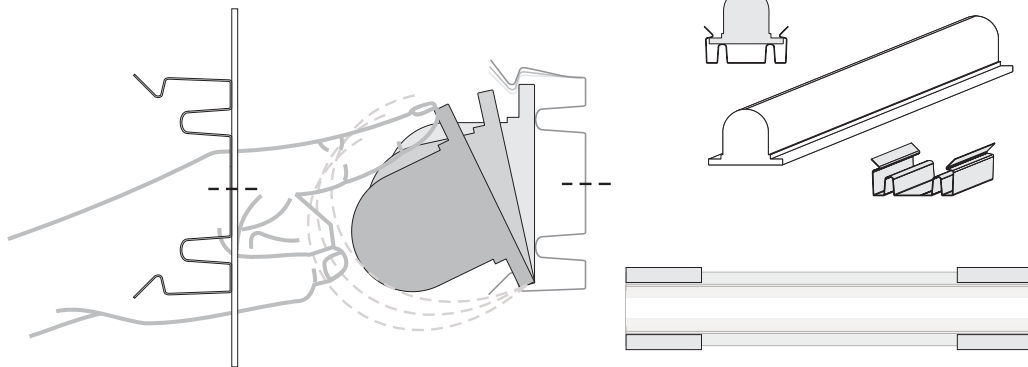


Installation and Mounting Hardware Spring Clip

- Based on the different installation conditions the fastener will be determined and provided by the installer.

Stainless Steel Clip

Aluminum Slide Clip

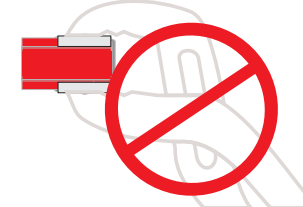
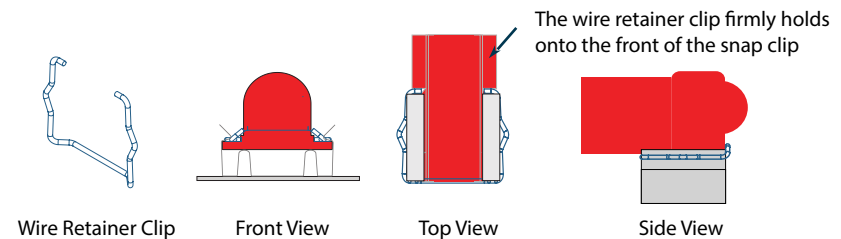
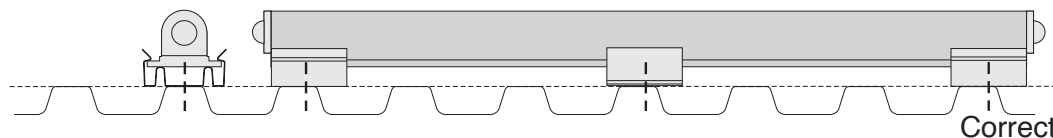
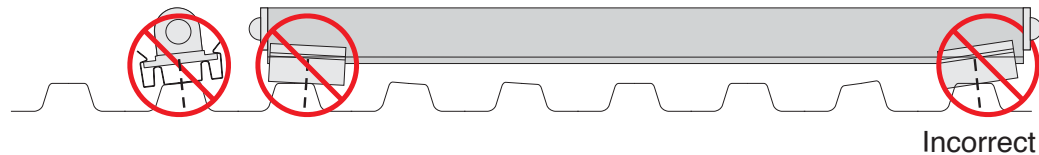


Stainless Steel Snap Clip

The stainless steel spring snap clip needs to be installed at each end of each border tube fixture. They should be installed flush to the end of every fixture and be used to secure the fixture.

*Once the tubes are in place using your thumb and index finger pinch the stainless snap clip tabs together ensuring that they are tight and secure.

In cases where you are mounting the tubes in a vertical position you will need to employ a retainer clip seen below. The Wire Retainer Clip has points that wrap around the end(s) of the tube holding it from sliding up or down.

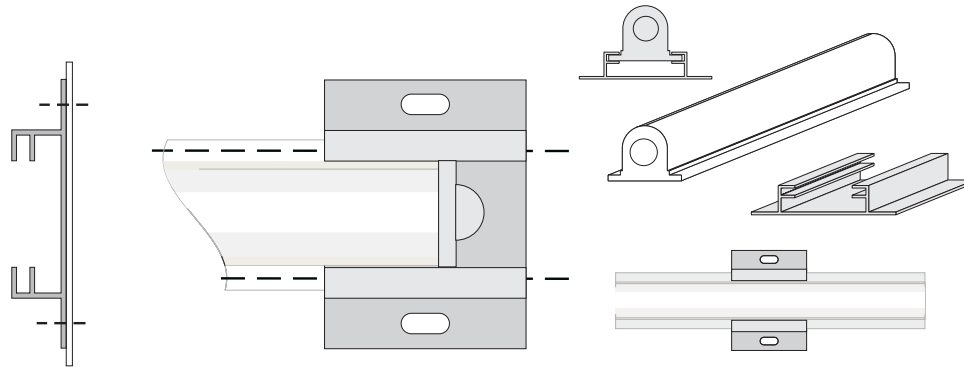


Do not use pliers
see note*

Mandatory: maintain straight plane

The position of the Stainless Steel Snap and Aluminum Slide clips are vital to a successful installation both from a mechanical and esthetic view. There should not be any section of the installation that measures longer than 25" without an Aluminum Slide clip in place as directed.

Installation and Mounting Hardware In-line Brackets

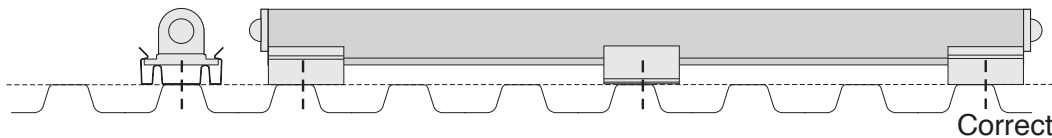
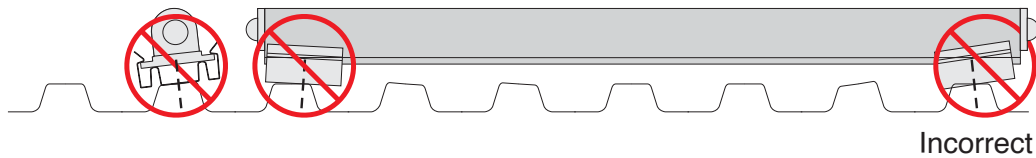


Aluminum Slide Clip

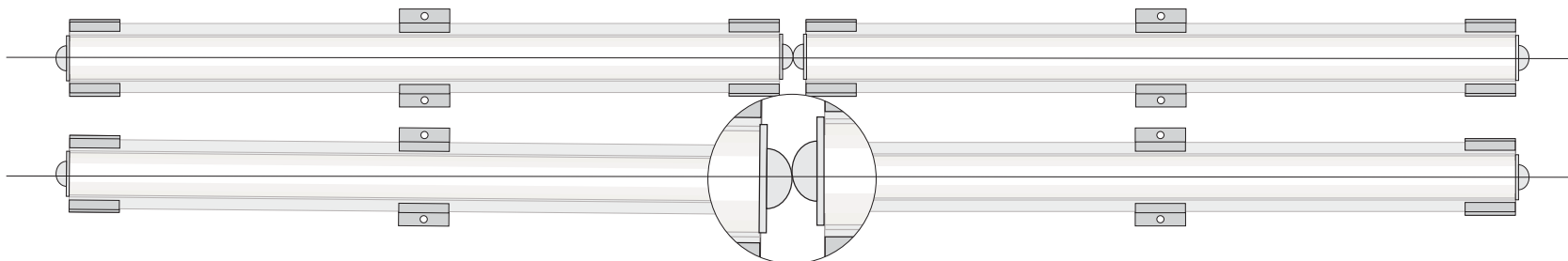
Will need to be placed in the center of the tube along with one snap clip on each end.

See illustration at left: When marking off and laying out the slide bracket, pay close attention to the angle of the surface making sure that it is level and at the same plane as the spring clips. Failing to do so can cause the slide clip to apply uneven pressure on the tube when fastened to the mounting surface, possibly leading to deformation or cracking and eventual failure of the border tube.

Note: There may be cases where the slide clip will require a ship or spacer to maintain the same plane as the spring clips.



Mandatory: maintain straight plane



Note: As little as five degrees off will alter the tube enough to noticeably distort the overall line.



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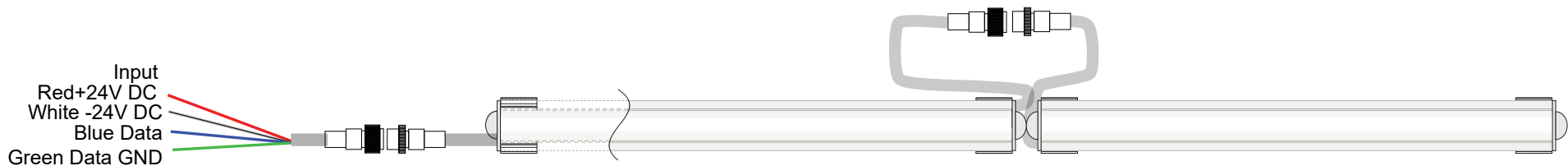
Mounting Hardware

Part #	Stainless Steel Snap Clip	Aluminum Slide Clip	Wire Retainer Clip
ARBT-04	2	1	1
ARBT-07	2	1	1
ARBT-09	2	1	1
ARBT-11	2	1	1
ARBT-14	2	1	1
ARBT-16	2	1	1
ARBT-19	2	1	1
ARBT-21	2	1	1
ARBT-23	3	1	1
ARBT-26	3	1	1
ARBT-28	3	1	1
ARBT-31	3	1	1
ARBT-33	3	1	1
ARBT-35	3	1	1
ARBT-38	3	1	1
ARBT-40	3	1	1
ARBT-43	3	1	1
ARBT-45	3	1	1
ARBT-47	3	1	1
ARBT-50	3	1	1
ARBT-52	4	1	1
ARBT-55	4	1	1
ARBT-57	4	1	1
ARBT-59	4	1	1
ARBT-62	4	1	1
ARBT-64	4	1	1
ARBT-67	4	1	1
ARBT-69	4	1	1
ARBT-71	4	1	1
ARBT-74	4	1	1

General Wiring Instructions

- Follow the directional arrows on the back of the tubing to ensure correct wiring orientation
- Compatible with Allanson's Multi-Protocol Master Controller or SPI controllers
- Each tubing has cables and watertight connectors on the two ends
- A 4-conductor cable with female watertight connector is required to use for connecting to power supply. Available in 15.7" or 10' (optional)
- Red (+24V DC) / White (-24V DC) / Blue (Data) / Green (Data GND)

Please note: this diagram illustrates the 4-conductor cable and identifies the wire assignments used for ARBT RGB Addressable Rigid Border Tube connections.





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Installation and service of these products should be done by qualified personnel.
Use only with Class 2 Power Supply.



To reduce the risk of electric shock, disconnect all connections before servicing.

General Wiring Instructions for Adding Power Supply Between Two Continuous Tubes

- Add power supply based on loading recommendation
- A 4-conductor cable with male watertight connector is required to use at the output side of the previous tube. Cap the power wires. Connect the signal data and ground wires with the corresponding wires of the 4-conductor cable with the female connector at the input side of the next tube. Connect the power supply to the +24V and -24V wires
- Make sure that the signal continues through the tubing

Please note: This diagram illustrates the 4-conductor cables and shows the wiring when a power supply is added between two units of RGB Addressable Rigid Border Tube.

