

# INSTALLATION

## SideWinder™

### Face or Halo Illumination

1. Thoroughly clean the returns of each letter with denatured alcohol or a similar cleaner. Allow to dry.
2. Peel the release liner off of the LED module and adhere to the returns according to the project specifications. Sidewinder modules should be positioned toward the rear of the letter. Stagger the LED modules to get maximum coverage. See figure A below.

Adhere right-angle mounting clips as needed for tight bends around the channel letter.

Optimum illumination requires population around the perimeter near the letter back panel. As the depth of return becomes deeper, the placement becomes less critical (minimum return depth - 3 inches). See figure C to the right.

3. Make necessary jumps as needed. Crimps or wire nuts should be used for connecting letters and power supplies. See figure B to the right.

**Note:** Black to black wire should always be connected; match colored wires appropriately. See figure B to the right.

**Note:** Use silicone connectors in high humidity or coastal environments.

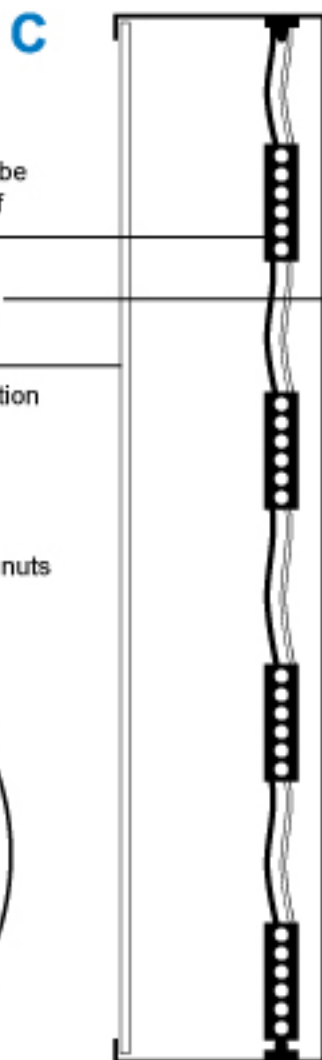
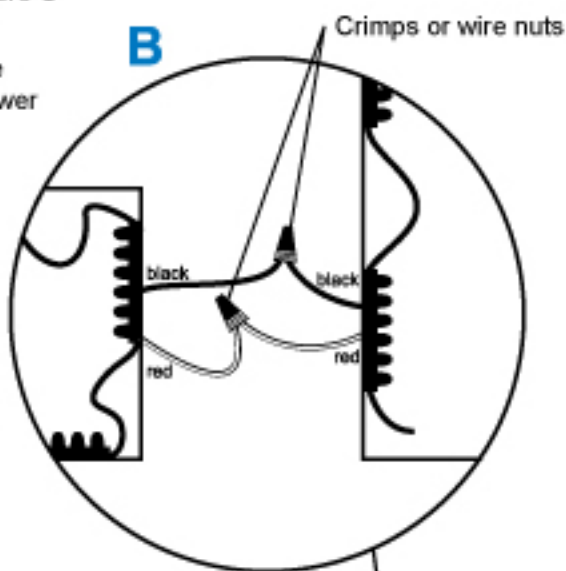
4. Drill secondary wire holes as needed.
5. Test light the letter, and repeat steps 2-5 for each.
6. Wire in the secondary power supply voltage. Finally, test each system.

#### Return Cross Section:

Sidewinder modules should be positioned toward the rear of the letter.

Acrylic or aluminum back

Letter face  
Translucent face for illumination


**B**

**A**

Stagger the LED modules to get maximum coverage.

