Leave two open holes and cut strip

Jump to next strip

Leave two holes at top

Continue for 25 Bulbs

Continue for 25 Bulbs

Skip 2 holes between lights

Start on 4th hole (Male Plug)

Leave three open holes and cut strip

Package Includes:
Pixie 4 Output Controller
HDPE Topper
Intelligent Pixels 50ct x8
Pixel Mounting Strip Roll
Intelligent Extensions x4

Step 1: Cut Strips

Roll out a section of Pixel Mounting Strip that is 78 large holes long (about 77-1/2in) and cut past the small holes. Each strand of lights will use two of these sections and you will need a total of 16.

Step 2: Insert Lights

Following the diagram to the left begin inserting the lights into the strip starting on the bottom left.

First skip three holes and insert 25 bulbs skipping two holes between each bulb. There should be two holes left open at the top of the strip.

Jump to the next strip, skip two holes and continue inserting lights downward skipping two holes between each bulb. Once finished you should have three holes left open at the bottom.

Repeat this process until you have eight of these assembled.

Step 3: Strain Relief Brackets

Bend the end of the strip around the strain relief bracket and use small zip ties to secure it in place.

Picture at right shows the top, the bottom will have an extra hole between the bulb and the strain relief bracket.

Step 3: Prepare Pole

Cut a 73in section and a 4in section of 3/4in EMT pipe. Connect the two pieces together using an EMT coupler. The topper will slide on top of the 4in section at the top of the pole.


73in   4in
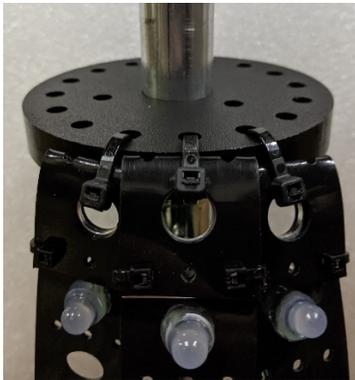
Step 4: Attach Lights & Guy Wires to Topper

Using cable ties attach the pixel mounting strips to the topper alternating under and over on each strip. Cut 3 guy wires about 7ft long and attach to the 3 inner holes on the topper.
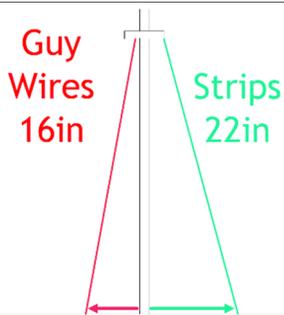
Step 5: Sink Rebar and Guy Wires

Sink a 1 or 2ft rebar about 6in into the ground. Place the pole with topper attached on top of the rebar and use ground stakes to attach the guy wires about 16in out from the pole. Then use ground stakes to attach the mounting strips about 22in out from the pole.

Guy Wires 16in   Strips 22in
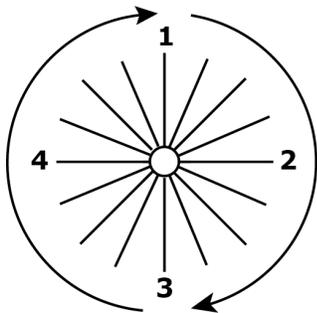
Step 4: Connect Lights to Controller

Each output on the controller will control 2 strands of lights, or 4 strips in a clockwise rotation starting in the back.

For example, output 1 starts in the back, goes up and then back down and then connects to the next strand which goes up and back down.

Step 6: Configure Controllers & Connect Lights

There is timing in WowLights Pro/ProPlus Christmas sequences for 2 360° trees. The left tree is controller ID #60 and the right tree is controller ID #64. You can set the IDs using the switches on the board:

Left: Controller #60 – 0110 0000 (Switches 2 & 3 ON, all others OFF)
Right: Controller #64 – 0110 0100 (Switches 2, 3 & 6 ON, all others OFF)