

The operating voltage range is 10 - 15 volts AC. The LED operates at the intended lumen output in this range for balanced brightness from first to last fixture. The total voltage range is 9 - 18 volts however lumen output can vary outside of the optimum voltage range of 10 - 15 volts and operating above 15 volts will shorten LED life and void warranty..

**WARNING:** To prevent electrical shock, disconnect from electrical supply before installation or service.

**NOTE:** A conduit connection to box is recommended. Use a UL listed flexible conduit (supplied by others) for easier positioning and adjustment during installation.

**LED DRIVER ON BOARD:** 12v input LED Driver is integrated into the LED board inside fixture. No need for external driver.

## INSTALLATION:

1. Using standard junction box installation procedures as dictated by local code, install junction box into wall or step. If outdoor, make sure box is water-tight.

**Important Note:** Focus supplied gang box is suitable for masonry installation. If not using Focus supplied gang box, make sure to use box rated for your application. 2 x 4 single gang junction boxes must have minimum inside dimensions of 3"(h) x 2"(w) x 2"(d) to accommodate fixture.

2. Attach mounting bracket to box using two supplied 8-32 Philips #2 screws. See figure 1.

3. Remove tape from gasket and stick gasket to back side of fixture. See figure 2.

4. Connect fixture wires to junction box wires using UL approved gel filled wire nuts. Place all wiring and connectors into junction box with room to install fixture. See figure 3.

5. Attach fixture to junction box using the two supplied 6-32 Philips #2 screws. See figure 4.  
When installing outdoors we recommend that the installer run a bead of clear, outdoor rated silicone between back of fixture and mounting surface to prevent water seepage.

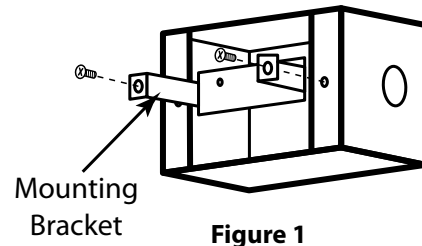


Figure 1

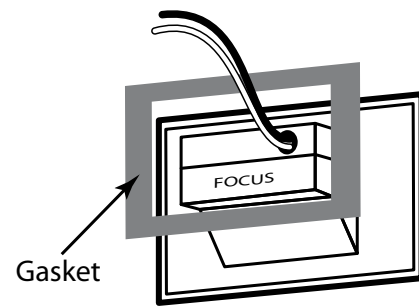


Figure 2

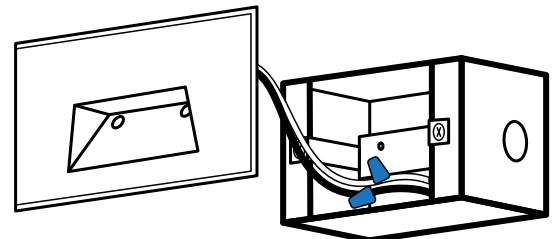


Figure 3

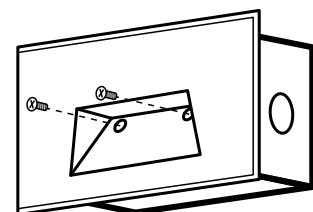


Figure 4