

Highpoint Deck Lighting – Quick reference sheet

How do I calculate size of transformer I need?

Take the total number of Lights and multiply it times the bulb wattage and then add the totals together. IE: 9 quantity of Hp-570P x 11 watts per bulb = 99 Total watts + 3 Hp-712R x 7 watts = 21 total watts. 99 + 21= 120 total watts. In this case the 250 watt transformer would be needed.

Where do I find out what wattage of bulb my lights have?

Next to the fixture in the catalog or on our website @ www.hpdlighting.com

How many lights should I put on one run?

This is determined by:

- 1) How many watts per circuit the transformer you're using is designed for. This information is located on the inside cover of the transformer or in the installation instructions. Over loading the circuit will result in low lamp brilliance or trip of the reset circuit.
- 2) How long your cable run is. A good rule of thumb is no more than 150 foot runs with 12 -2 cable and a maximum of 150 watts. If more than 150 watts will be on one run you can A) increase the cable from a 12-2 to 8-2, this will carry the load better. B) Tap up to 13, 14 or 15 volts on your transformer. C) Loop the main run wire back to the transformer. This means 2 wires will be coming out of one circuit creating a full circle thus cutting the overall run in half.
- 3) For best performance and to get the maximum life from your bulbs always use a voltage meter to check the fixtures at the end of your runs to be sure your voltage is between 10.5 and 11.5 volts.

How do I connect my lights to the main run?

Simple. Cut the main run at each fixture, Strip back the rubber coating from the wire make sure to expose at least $\frac{3}{4}$ " of copper wire, and connect wire together firmly with a wire nut. Refer to wire nut manufacture for recommend size need for the gauge of wire being used.