How To Selection Guide:

# QuickPlug Deck Lighting

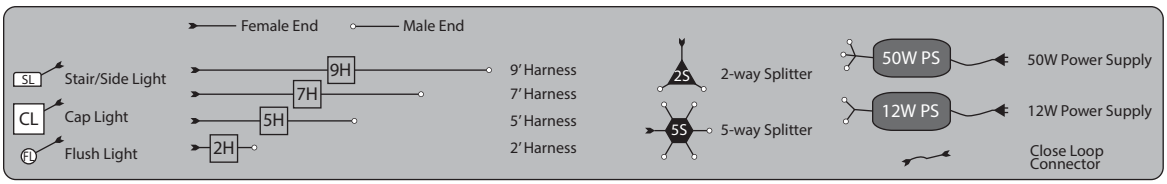
FENCE DISTRIBUTORS

Fence & Deck Supply

FenceAndDeckSupply.com

## Step 1: Draw Your Deck

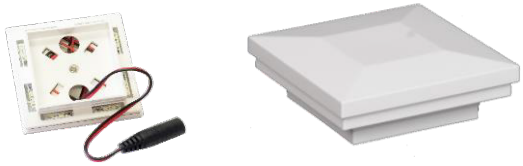
1. Begin by drawing your deck below. We will refer back to this drawing as we add components later.



## Step 2: Choose Your Lights

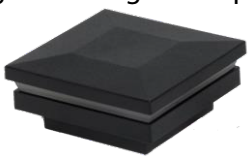
1. Post Cap Lights - 4.5″x4.5″ - Cap lights provide light to all four sides of the post and can provide light to a wide area. Lights are available in Black or White and can also be special ordered in colors to match the deck posts. Cap lights are available in three styles:

   A. Downward Post Light - LED lights shine downward to iluminate the post. 0.8 W



QTY:_____ x 0.8 W = _____W

   B. SideShine Post Light - LED lights are pointed outward to iluminate a larger area. 0.8 W



QTY:_____ x 0.8 W = _____W

   C. Combo Light - LED lights are directed both outward and down combining both looks. 1.6 W

QTY:_____ x 1.6 W = _____W

2. Stair / Side Lights - 1" x 3" oval - Cover available in black or white, with two size options to direct light outward or directly down. Use to create conversation areas or to highlight a stairway for safety. 0.4 W

QTY:_____ x 0.4 W = _____W

3. Flush Mount Deck Light -1″ dia. - Embeds flush into decking board. Typically used as border accent. 0.4 W

QTY:_____ x 0.4 W = _____W

4. Add your chosen lights to the drawing and then continue.

## Step 3: Calculate Power Needed

1. Watts is the measurement of how much power is needed to run your lights. Add up the total Watts from above:

Total = _____W

## Step 4: Choose Your Power Supply

1. Our preferred transformer (i.e. power supply) is a 50 Watt LED Low Voltage Smart Power Supply w/ Photo eye, Timer, Remote & Bluetooth. If the total Watts of your lighting is above 12 W, you will need to use this unit. It features built in Bluetooth controls, a paired remote key fob, LED dimmer, timer (1-8 hours or dusk to dawn), teachable photo eye, and diagnostic trouble-shooting modes. Android and IPhone apps are available.

2. Our basic transformer is a 12 Watt LED Low Voltage Power Supply w/ Photo eye. The photo eye allows for dusk to dawn timing only. An optional remote dimmer unit is available as an add-on unit. If the total Watts of your lighting is above 12 W, you will need to use option 1 or plan out multiple zones.

3. The power supply needs to be plugged into a GFC! outlet. Identify the outlet location on your drawing and draw your power supply..

## Step 5: Choose Your Connections

1. Power needs to be connected to each of your chosen lights.

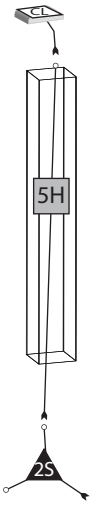
2. Harness- Harnesses are the wires that run from component to component. They have a male and female Quick-Plug end and are available in 2', 5', 7' and 9' lengths. For longer lengths, connect two or more harnesses together.

3. Splitters - At each light component, the power needs to be divided or split. one connection going to the light and the other continuing on to the next in line.

   A. Two-way Splitter - Has one female plug in and two male plugs out

   B. Five-way Splitter - Has one female plug in and five male plugs out. This is often used on a stairway to connect several lights close together.

4. Be aware that a harness will need to be run up each post to reach the cap lights. Plan on a harness at least 5 foot long to run between the cap light and the splitter.




4. Closed Loop Connector - Included with the 50 W transformer is a closed loop connector. It has a red female connector on each end and is 6" long. While its use is optional, it is recommended for systems with total Watts over 10 W to reduce the voltage drop across the system. Use a two-way splitter on the last fixture of the run and then continue with enough harnesses connected end to end to connect back to the Tee Connector of the transformer. Use the closed loop connector to make the connection between the harness and the tee.

Harness QTY: _____2 ft _____5 ft _____7 ft _____9 ft

Splitter QTY: _____2 way _____5 way