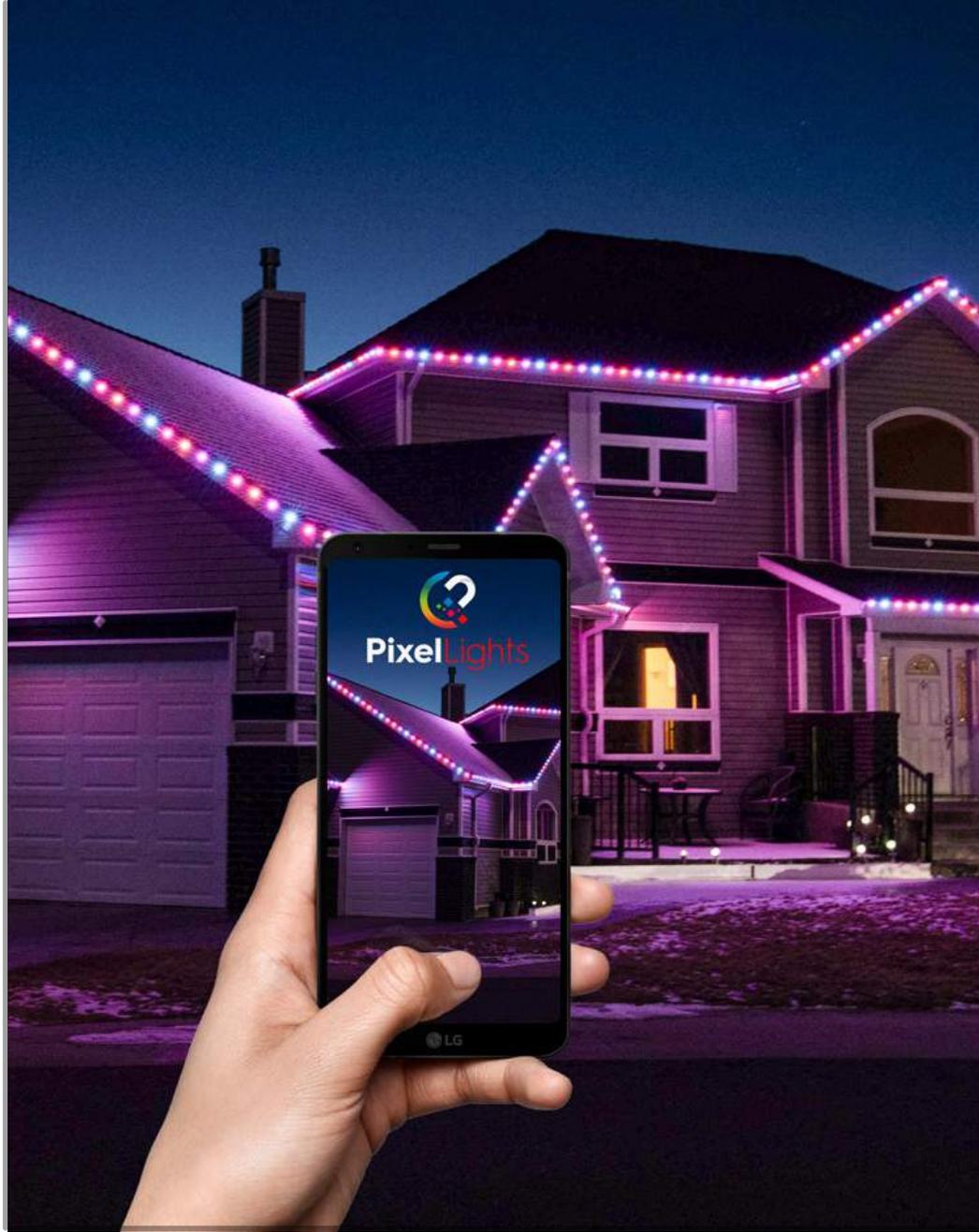




PixelLights



MANUAL

INSTALLATION GUIDE

PLANNING OUT YOUR INSTALLATION:

- Do NOT cut your pixel strings while connected to power. Ensure the controller is unplugged or the string is disconnected before cutting your string.
 - Pixel strings are directional, and must be connected with the arrows pointing AWAY from your controller.
 - When planning out your installation, we recommend keeping the direction of the lights consistent ie: left to right.
- 
- This is not necessary. In areas such as peaks or dormers where a splitter is used, the direction of the segment can be reversed with our Pixel Mapping software. This will keep your patterns working properly and looking great.

STARTING POINT:

- This is where you are going to start installing the Pixel Strings and where the controller box will be installed. If possible, install the controller close to an electrical outlet.
- If you have to choose between the best spot to start the string vs. the closest power outlet – choose the string. It is much easier to run an extension cord for power than it is to modify your installation plan.

TRANSITIONS:

- When planning out your install there may be areas where you will transition from running your lights in the eavestrough to running them in bent channel. Such as peaks or gables where there are no gutters installed.
- If they are beside each other, you can avoid using an extension cable by spacing your holes approximately 2" from the end of the gutter or channel. This will give you enough room to bridge the transition without having to make any cuts to your string.



MAKING CONNECTIONS & USING EXTENSION CABLE:

- Connecting two strings together, or joining different areas with an extension is done by using our waterproof connectors. At only 12mm in diameter they are designed to fit anywhere our pixel lights can go. This keeps your installation neat, tidy and hidden from view.
- When running an extension cable, we recommend keeping the length under 25'. If the extension is longer than 25' you will need to install an individual pixel to help transmit the data signal. The better option for joining two separate areas, is to use another controller. Additional controllers can be set to copy the main controller, or run independently.

DRILLING THE HOLES:

- We recommend installing our Pixel Strings with 9" spacing, though you can adjust how you want with a maximum distance of 9.25". Start with your first hole 2" from the end of the gutter/channel, then mark out the following holes every 9" with our spacing template. Careful planning at this stage will ensure your lights look consistent and your patterns display correctly.
- First use a smaller 1/8" bit to drill pilot holes, then follow with our 3/8" bit, to cut clean and precise holes for installing the lights. Our specialized bit cuts burr-free holes that will save you time and make your install easier.



INSTALLING THE LIGHTS:

- After you have drilled the holes, you're ready to install the lights.
- Each light has angled tabs designed to align the light with the hole. Visually line up the light and then press firmly with both hands until the light pops in and you hear it "click".
- Our lights can be removed and installed again, without any problems. If you happen to bend a tab by accident or it was bent during shipping – simply bend it back into shape.
- Our lights are designed to be durable enough to handle the weather all year-long, and can be "clicked" in & out without causing them any damage.



USING A SPLITTER:

- Need to run the pixel string in 2 or 3 different directions? No problem, our splitter lets you branch off in multiple directions without having to run unnecessary extension cables and tie back into the main line.
- Our splitter configuration tool helps you quickly and easily set up the splitter and give you full control of the new branches. Need to use more than one splitter? No problem, you can use as many as you need wherever you need them.

ENDING POINT:

- When you come to the end and you've installed all of the lights, it's time to terminate the string.
- Make sure the power is off, and then cut the string.
- To seal the end and make it waterproof you can use a silicone filled marrette or glue lined heat shrink. This will make sure it is sealed and protected from the elements.





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