

Welcome, and Thank You!

Thank you for purchasing this Brickstuff product. We hope you enjoy using it as much as we enjoyed creating it. The parts in this box are only part of our story, only part of what we're working hard to develop. Our goal is to create the most flexible and exciting line of hobby lighting and automation products for you to use in all of your fantastic creations. All of these products will work together, and you won't need to be an electronics expert to use them. So keep building amazing things—we'll help you bring them to life.

Thanks again for supporting us. We couldn't do this without you!

--- **The Brickstuff Team**
info@brickstuff.com

2-LED Light Strip Starter Kit

INSTRUCTIONS FOR USE

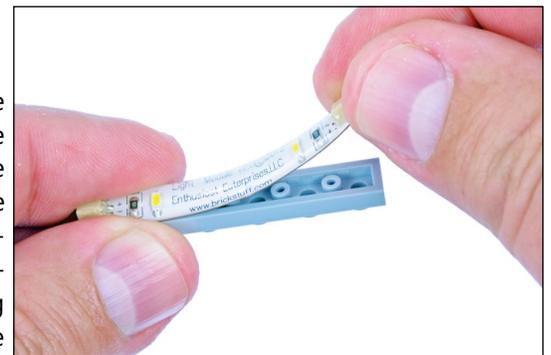
Carefully remove all parts from the included re-sealable anti-static bag:

- Nine 2-light LED strips with adhesive backing
- Eleven black connecting cables
- Three adapter boards
- LEGO® plates for mounting in a LEGO® creation

Depending on the specific kit purchased, there may also be a power supply in the box, or you may have purchased a kit without a power supply.

DECIDE:

How will you be using the light strips? If you will be using the adhesive backing to mount the strips, make sure you have all parts collected and ready before peeling the adhesive. When using the self-adhesive backing to mount light strips, try to mount in a permanent configuration (where the light strip won't be removed and re-attached multiple times). If mounting in a LEGO® model, mount the light strip to a 1x6 plate (included) and then move the plate, not the light strip, if necessary to reposition.



Attaching Light Strip to a 1x6 LEGO Plate for easy repositioning.

CONNECT:

Connect the strips end-to-end using the included black cables. Be careful when disconnecting light strips not to pull using the cable (this will damage the cable)—disconnect the light strip by holding the cable connector firmly and pulling. You can use the included 1x2 black LEGO® plates to hold slack in connecting cables by winding extra cable around the black plates, then snapping the black plates onto a ceiling in a building.

When mounting the light strips, mount in such a manner as to remove stress from the connecting cables at the point they plug into the light strip. This will prevent cables pulling out over time.

WARNING: This product contains small parts and sharp parts. This product is not a toy. It is not intended for children under 13 years of age.

USAGE TIPS

If using a large number of light strips in a row (connected end to end), if the lights toward the end of the chain appear dim, consider re-working your installation to use multiple, shorter cable runs. Check our website for a growing assortment of adapter boards and varying lengths of connecting cables to customize for your specific installation.

Do not force cable connectors into the light strip jacks—doing so will damage the connectors. **Cables have notched connectors that will only fit into the light strips when inserted in the proper orientation (see Figure 1).** Be careful when disconnecting light strips not to pull using the cable (this will damage the cable)—disconnect the light strip by pinching the cable connector firmly and pulling. See Figures 2 and 3 below.

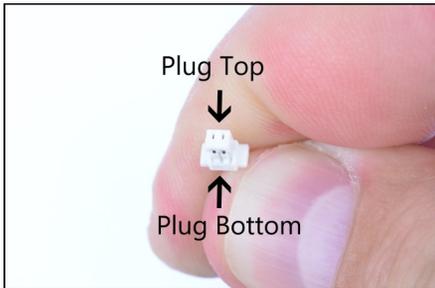


Figure 1: Orientation of the Light Strip Connecting Cable.

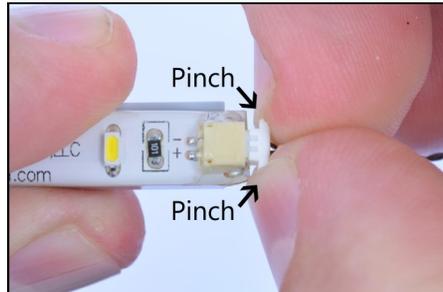


Figure 2: The Right Way to Disconnect a Cable.

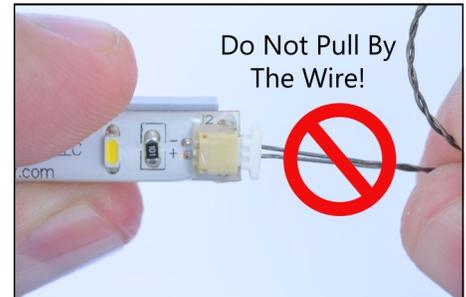
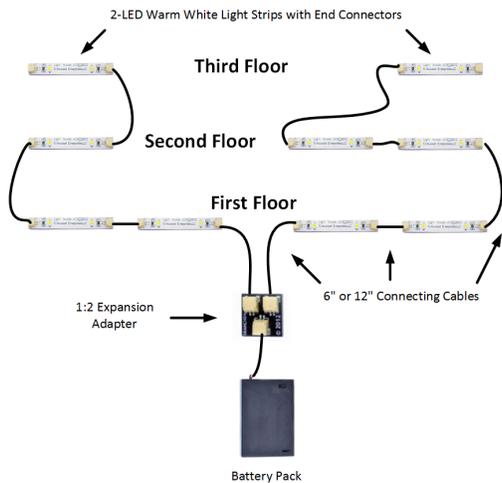


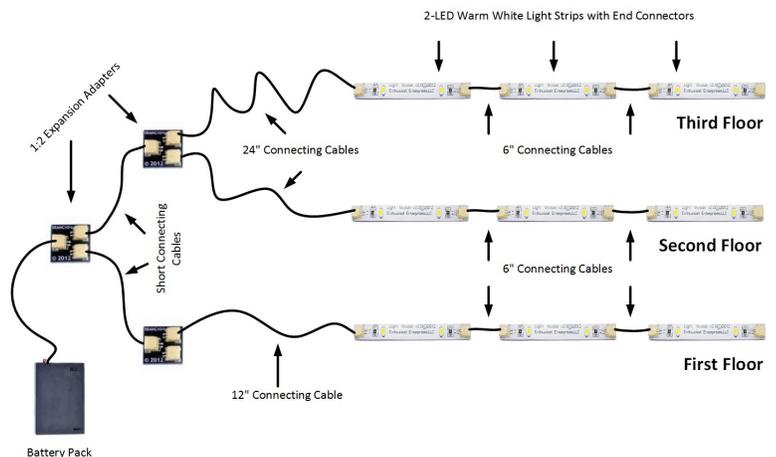
Figure 3: The Wrong Way to Disconnect a Cable!

When thinking about how to install the light strips into a given building, there are two primary arrangements: the **Home-Run wiring method** and the **Daisy-Chain wiring method**. Both are illustrated below.



Daisy-Chain Method

With the Daisy-Chain method of wiring, light strips are connected primarily to each other in a string from the bottom of a building to the top. Additional lights or offshoots from light strings (such as Pico LED Light Boards or Lighting Effect Controllers) are connected along the string of lights. This method has the advantage of using fewer parts, but you may notice that lights toward the end of the string become dim.



Home-Run Method

With the Home-Run method of wiring, more parts and cables are used, but each floor of a building has its own direct feed back to the power supply. This means that lights will appear bright even at the end of a string of connected lights.

This is also a good method for connecting multiple lit buildings to a single power source (each "floor" in the diagram above could be a stand-alone building).

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