

UltraBright™ Verity SOB Diffusion Series LED Strip Lights



UL Listing and Compliance Information

Our LED Strip Lights are UL-listed in the USA and Canada. This means they are safe to use and free from any hazardous substances. To comply with UL standards and inspections, please keep in mind that:

- ✓ A Class 2 power supply must be used with each run of lights.
- ✓ Each installation of LED strip lights in series should consume no more than 100W max.

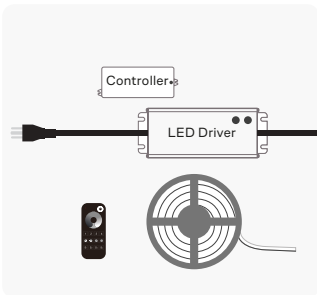
Español

- ✓ Debe utilizarse un transformador de Clase 2 cuando sea necesario ajustarse a las normas de seguridad UL.
- ✓ La instalación no debe exceder un máximo de 100W cuando se conecten en serie las cintas LED.

Francais

- ✓ Pour être conforme aux règles de sécurité, une source d'alimentation de Classe 2 doit être utilisée.
- ✓ L'installation ne doit pas dépasser un total de 100W lorsque les rubans LED sont montés en série.

Installation Instructions

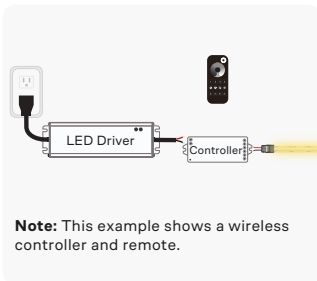


1. Component Check

Gently unroll the LED strip lights from the plastic reel and lay out all components. Make sure you have everything you need to complete the installation.

Double-check that your power supply matches the voltage of your LED strips and can handle the entire load of the LEDs.

Be mindful of the strip's maximum run length. If you need a longer run than the maximum, you may need to install the

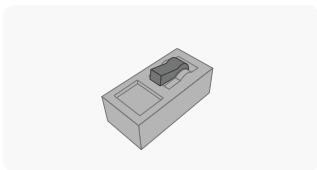


Note: This example shows a wireless controller and remote.

2. Mock Installation

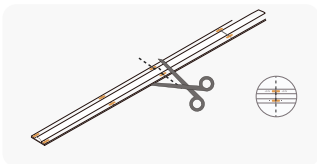
Before peeling the adhesive backing or cutting the strip, complete a mock installation to test and turn on your lights. Connect your LEDs to your dimmer and power supply.

The strips should light up. If they don't, please make sure the polarities from the power supply to the LED strip match (positive to positive, negative to negative). The strip has markings (+ and - symbols) to indicate polarity.



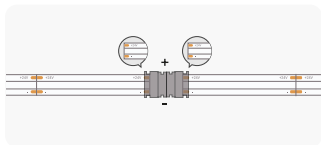
3. Turn the Power Off at the Circuit Breaker

Now that you've tested your components, turn the power off at the circuit breaker to avoid any possible injury. Disconnect the strip from the power supply or controller.



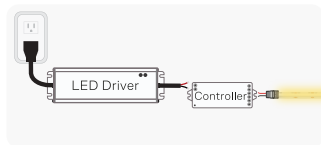
4. Cut the LED Strip Light to the Required Length

Measure the strip light to the required length and locate the nearest cutting point. Cut through the strip light in a straight line using sharp scissors.



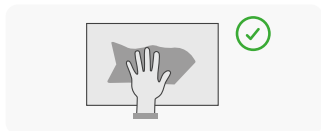
5. Make Sure Polarities Are Matched

Always match the + and - markings when joining LED strip segments, whether you're soldering or using connectors.



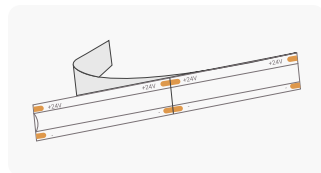
6. Connect Your LED Strip

Test the strip again to make sure it lights up, verifying all segments work properly.



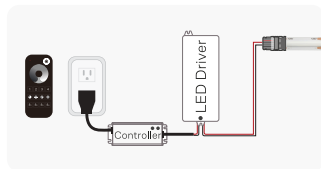
7. Prepare Your Surface for Installation

Thoroughly clean any surface where you will be attaching your LED strip lights.



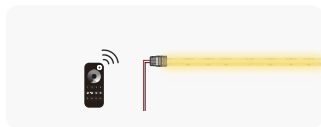
8. Install the LED Strip

Peel the cover of the adhesive backing a few inches at a time while gently pressing the strip to the installation surface. Make sure the strip is firmly attached to the surface. If needed, use mounting brackets for extra support—one bracket per foot is recommended.



9. Complete All Connections

Complete the connections and wiring between your power supply, dimmers, controllers, or connectors.



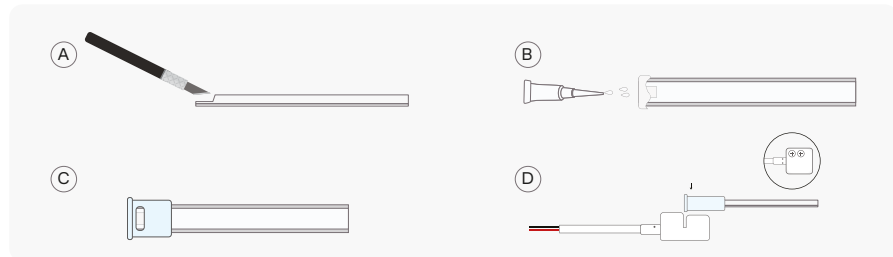
10. Turn the Power On at the Circuit Breaker

Turn on the power to your setup and enjoy your lights!

Using IP65 Grip Connectors

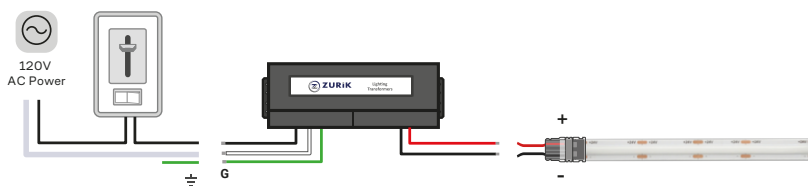
When using our Outdoor IP65 Solderless Grip Connectors with the Outdoor UltraBright™ Verity SOB Diffusion Series, remove approximately $\frac{3}{8}$ " of the silicone protective cover from the top of the strip using a craft knife or other precision cutting tool to allow the connector to fit properly. Be careful not to remove the inner protective cover on top of the LEDs.

Then follow the standard IP65 grip connector installation instructions.

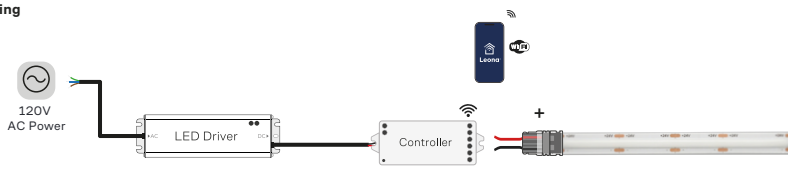


Wiring Diagrams

ELV/MLV Dimming



PWM Dimming



Safety & Disclosures

1. To meet UL requirements, only install with a Class 2 DC Constant Voltage LED driver.
2. Do not turn on your LED strip while still in the plastic reel. Doing so will cause heat buildup that can damage the LEDs.
3. Installation must comply with local and national electrical codes. A qualified, licensed electrician should install your strips for safety and proper installation.
4. Do not connect the DC strip directly to an AC wall outlet.
5. Do not twist, fold, or crease the LED strip.
6. Do not bend LED strips sideways. They are only intended to bend vertically.
7. Do not place excessive pressure on the LED surface.
8. Pay attention to the input voltage of the LED strip light and never exceed it, not even briefly.
9. Only cut the LED strips on the designated cut markings or as specified on the spec sheet.

Do not install indoor LED tape light products in outdoor/wet-location environments.

We reserve the right to modify and improve the design of our fixtures without prior notice. Although we order the same colors every time, we cannot guarantee that existing installed fixtures will match subsequent orders or replacements regarding product appearance, CCT, or lumen output due to changes in technology and phosphors over time.



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