LIGHT TAPE G1

Installation Guide

This guide is intended for installation PL-XX#-YYO-Z-WWWW series LEDs. These products Class 2 LED Modules, designated as PL-XX#-YYO-Z-WWWW Series where XX may be replaced with LT (Light Tape) or LE (Light Edge); # may be replaced with any numeric character 0 to 9; YY may be replaced with any combination of alpha character AA to ZZ; O may be replaced with any numeric character 0 to 9; Z may be replaced with letter N or P; and WWWW may be any combination of alphanumeric characters.

- These products are only intended for use and connection to a Class 2 power source rated 12 Volt DC or less.
- When these units are connected to a Class 2 circuit, they are not to draw a total wattage of greater than the secondary or output rating of the Class 2 supply.
- These products are suitable for use in dry, damp, and wet locations.
- These products are not required to be enclosed or protected from the weather in the end product.
- These products may be secured in place in the end product by any means available.

PRINCIPAL SLOAN
A Principal Industries Company

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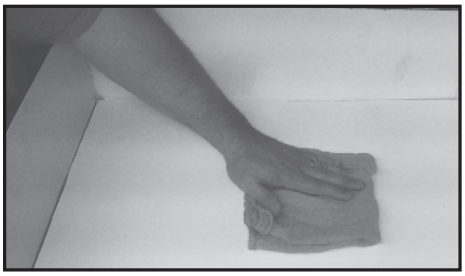
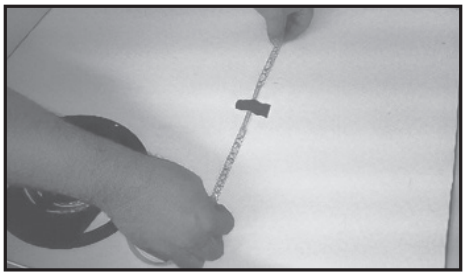
Installation

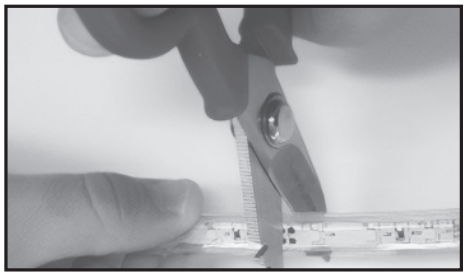
NOTE: This is a flexible product. Use care when handling to prevent breakage.



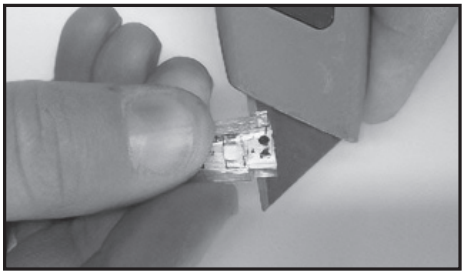
1. Clean mounting surface with alcohol to remove dirt and/or oil. Surface may be back of cabinet (single-sided), square tubing or extrusion (double-sided).



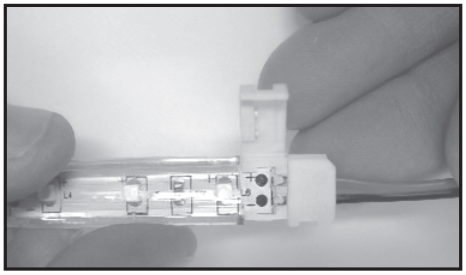
2. Temporarily adhere LEDs to back using masking or electrical tape according to layout or estimate and test to ensure evenness of illumination prior to final install.



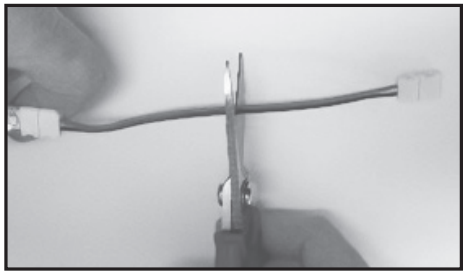
3. If cutting is required, cut LED strip at cut points only – designated by the line between the corresponding pair of solder/connector dots.



4. For encapsulated products designated "-P", additionally remove outer jacket by carefully cutting away with a razor blade to expose connector dots.

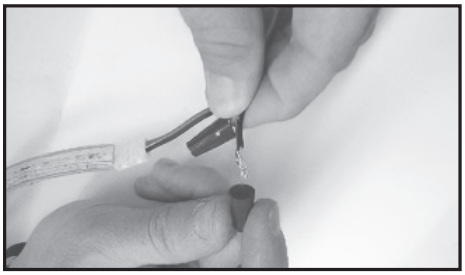


5. For end connection or jumping, open one side of connector and slide end of tape until it is flush with back of connector as shown. Close connector top and snap in place. Make sure (+) dot lines up with RED wire.

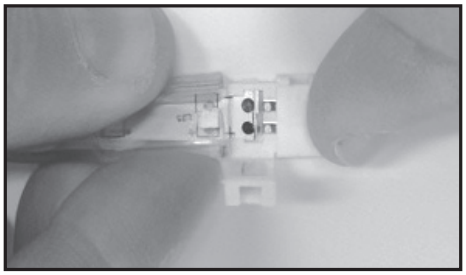


6. If jumper is used on terminal end to wire to power supply, jumper may be cut and stripped.

Installation (cont.)

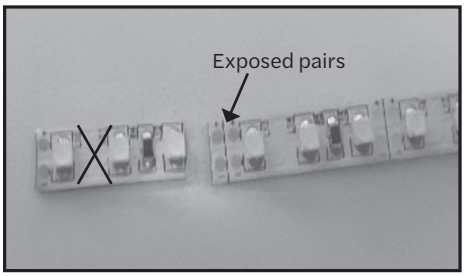


7. Once stripped, terminal end should be wired to UL Class 2 power source. Check footage chart to ensure proper loading.

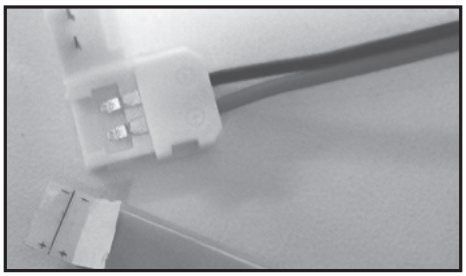


8. Splice connectors are available for joining cut pieces and each side should be installed following steps 3-5. Make sure to alight (+) dot to (+) on each corresponding side of splice connector.

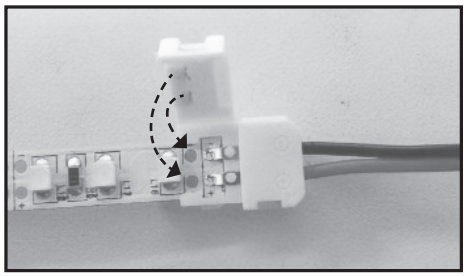
9. For 600 LED Light Tape (PL-LT1-PW2-N-3301): Cut tape just inside of last LED to expose two pairs of connector dots. This is required in order for tap to fit into connector.



10. For 600 LED Light Tape (PL-LT1-PW2-N-3301): Dispose of unused section leaving four (4) connector dots exposed.

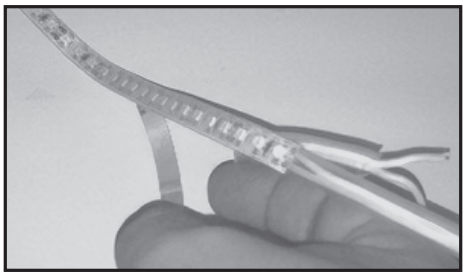


11. For 600 LED Light Tape (PL-LT1-PW2-N-3301): Peel back section of release liner that will be inserted into connector.

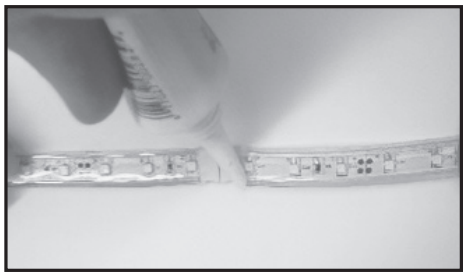


12. For 600 LED Light Tape (PL-LT1-PW2-N-3301): Slide end of tape until it is flush with back of connector as shown. Make sure top pins are aligned with second pair of connector dots. Close connector top and snap in place.

13. Test light material prior to final adhesion to surface to ensure integrity of all connections. Reseat connections if needed.

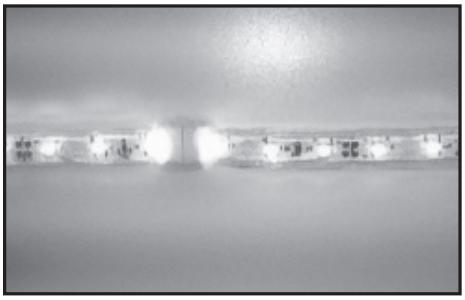


14. Remove release liner from VHB adhesive and adhere by pressing firmly to surface of sign.



15. For outdoor rated (-P) material, it is critical to adequately silicone all joints and cut points to prevent water damage. It is recommended to run silicone down edge of tape to provide further adhesion.

Installation (cont.)



16. Perform final test light to ensure adequate and evenness of illumination prior to installation.

Troubleshooting

1. Check primary power power to sign.
2. Check power connection to LED Class 2 power supply.
3. Check polarity on DC side (**RED** [+] **BLACK** [-])
4. Check wire or jumper connections to module (make sure connections are "**+ to +**" and "**- to -**". Reseat if needed.
5. If solder joint breaks to input module, or if there is a bad connection, all modules after bad connection will not light.

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