

Element Flex

LED Cabinet Lighting @ Fluorescent Prices

Product Installation Guide



PRINCIPAL LED

PEOPLE • PERFORMANCE • PRICE

Principal LED 3503 Arden Road San Angelo, TX 76901 Ph. 1-325-227-4577

Installation & Handling

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

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



2. Temporarily adhere LEDs to back using masking or electrical tape according to layout or depth chart and test to ensure evenness of illumination.

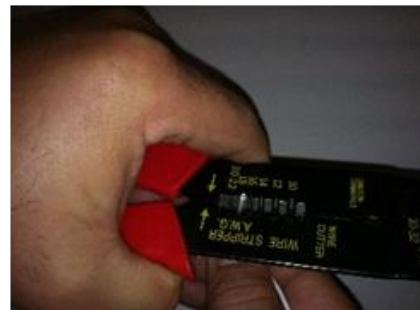


3. Carefully remove water resistant sheathing at wiring points to expose wire leads prior to permanent placement of LED strips using razor blade or cutting tool.



Caution: DO NOT PULL ON SHEATHING until completely cut or inner wire can pull loose from module. Use care when removing outer sheath.

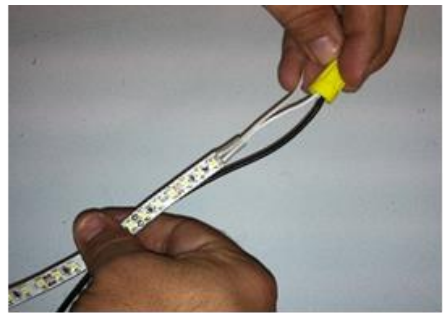
4. Strip grey (+) and white/text (-) wire prior to permanent placement.



5. Inject waterproof silicone into sheathing at all open ends and cut points to prevent water damage.



6. Make secondary connections to end module using 12-18 gauge UL listed wire with waterproof wire nuts. Cut adequate wire length to wire back to 12V power supply.



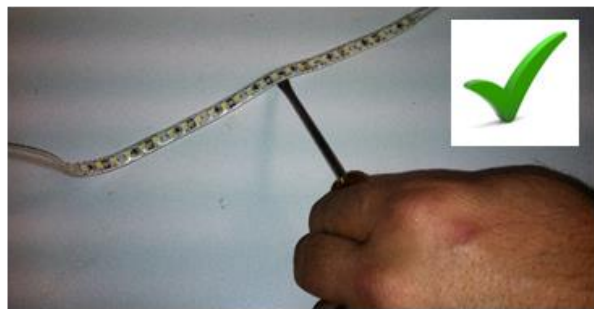
7. Remove release liner from VHB adhesive and adhere to surface.



8. Apply silicone along edge of each module for permanent adhesion.



Caution: Pulling up material after adhesion can cause breakage of solder connection. If repositioning is required, carefully lift module with a flathead screwdriver beginning in the middle of the module slowly working outward.



9. Make secondary wire connection back to the 12V DC power supply using UL listed wire. Connect grey wire (+) and white wire (-) to secondary wire from the power supply.

10. Connect Primary DC power supplies and test light prior to shipment.

Product Specifications

Color	Wavelength/CCT (typ.)	Lumens /ft.	Energy Usage (Watts/unit)	Max. Power Load (60W Supply)	Part Number
True White	6300K	280	3.0	20	PL-SP4-WH1-P
Medium White	4300K	280	3.0	20	PL-SP4-MW1-P
Warm White	3100K	280	3.0	20	PL-SP4-WW1-P

Depth to Face	On-Center Spacing
<6"	*NR
6"	6"
7"	8"
8"	10"
>9"	12"

**Not Recommended:
Use Fusion Batwing*

Double Sided Mounting Options:

- Square Tubing or angle
- PLED Custom Extrusion and mounting hardware

Troubleshooting:

1. Check Power to sign.
2. Check power connection to the driver
3. Check polarity on the DC side (Grey+ White-)
4. Check wire connections to module
5. If solder joint breaks to the input module or there is a bad connections, all modules after the bad connection will not light.



***Buy any case (500 ft.) of Channel Letter product and receive a free reel of Element Flex.
*Call your local distributor for details.***