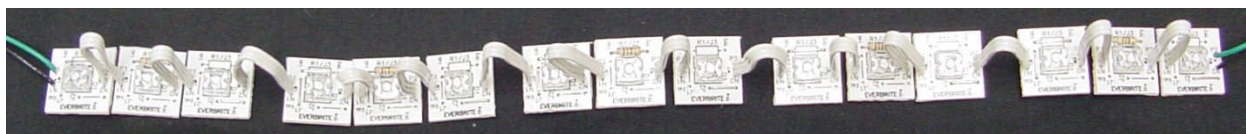


Working with LumiFlex II

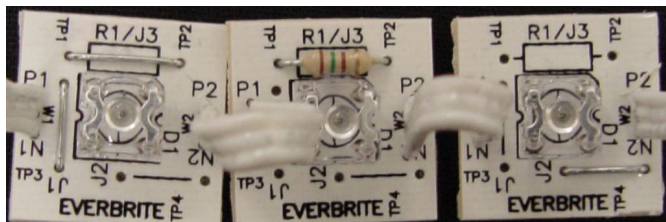
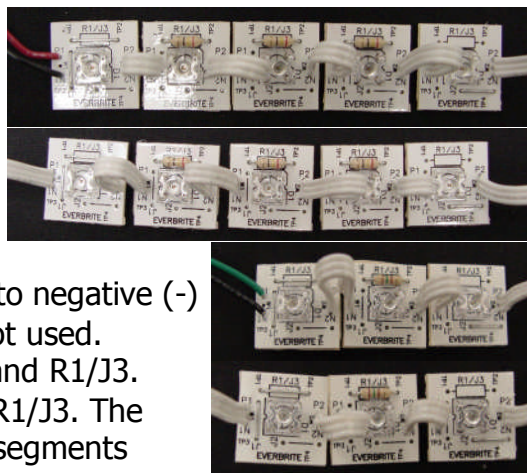
LumiFlex II is made up of 15 small circuit boards with LEDs, chained together in a string. This string of LEDs runs at 15VDC, soon to change to 12VDC. Each circuit board has the same LED, but not all of the boards are configured the same. If you use the whole string of 15 LEDs then you do not need to read this document. However, if you cut off segments and later reuse them, read on ... Red & Amber LumiFlex II is electrically arranged in groups of 5 LEDs. In the picture above, the gaped areas are where it can be cut or spliced and still operate properly. This section that can be cut is called a segment.



White, Green & Blue LumiFlex II is electrically arranged in groups of 3 LEDs. In the picture above, the gaped areas are where it can be cut or spliced and still operate properly. This section that can be cut is called a segment.



There are two types of segments, those that have colored power wires, and those that are leftover middle sections. Those with colored wires, just hook up normally ... color to plus (+) and black to negative (-) on the power supply. The middle sections can be reused as well. Just carefully separate the three white wires hanging free on either the left or right side of a segment. The white wire going to either P1 on the first board or P2 on the last board is hooked up to plus (+) on the power supply. The white wire going to either N1 on the first board or N2 on the last board is hooked up to negative (-) on the power supply. The middle wire on each end is not used. Note that the first board in a segment has a wire in J1 and R1/J3. The middle boards in a segment have just a resistor in R1/J3. The last board in a segment has a wire in J2. Red & Amber segments have three resistor boards. White, Green, and Blue segments have one resistor board. Each segment can operate separately or in a chain at 15VDC (soon to be 12VDC).



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