# WESTFLEX SMD RGB WEATHERPROOF INSTALLATION & SAFETY INFORMATION

- Westflex SMD itself and all of its components may not be mechanically stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- THE ABOVE WILL VOID THE WARRANTY!

Westflex SMD RGB incorporates no protection against short circuits, overloading or overheating.  Therefore it is absolutely necessary to operate Westflex SMD RGB with an electronically stabilized power supply offering protection against the abovementioned safety risks.

- Installation of Westflex SMD RGB with power supplies needs to be made with regard to all applicable NEC and local electrical and safety standards.  The power supply must be UL or ETL listed.  Only qualified personnel should be allowed to perform installations.
- Parallel connection is highly recommended as safe electrical operation mode.  Serial connection is not recommended.  Unbalanced voltage drop can cause hazardous overload and damage the Westflex SMD RGB.
- Please ensure that the power supply is of adequate power to operate the total load.
- The maximum length of Westflex SMD RGB is 10 ft. with a power feed at one end.  20 ft. can be operated with a power feed in the middle of the Westflex SMD RGB or from both ends (please consult factory for other configurations).
- The Westflex SMD RGB weatherproof, as manufactured, has protective coating and therefore offers inherent protection against corrosion and water penetration to IP67.  The ability to customize the length of the Westflex SMD by cutting at specifically marked points is a key feature of the product.  It is recommended that this be done at the factory.  The user may do this in the field after completing all Westflex SMD RGB modifications first (cutting, wiring) and then apply the protective end caps and sealant prior to installation.
- Solder connections should only be performed on designated solder pads.  During soldering, do not exceed the maximum soldering time of 10 seconds and the maximum soldering temperature of 260° C.
- The smallest unit (3 LED's) can be removed by cutting with scissors between the designated solder pads marked with dotted lines.
- The mounting of Westflex SMD RGB is facilitated by means of mounting clips, track or a bead of silicone.  Care must be taken to provide a clean and dry mounting surface. The mounting substrate must have sufficient structural integrity.  Please note LED's get hot.  Consideration should be given to the material and location where the Westflex SMD RGB will be mounted.  Fire safety should always be considered.
- The (+) is common on this product.  The neutrals (-) are switched.
- If connected to a WestPower 300, you connect the common (+) black lead to (+) on channel 1.  The red lead gets connected to the (-) on channel 1.  The green lead gets connected to the (-) on channel 2.  The blue lead gets connected to the (-) on channel 3.  Please note, the 3 (+) terminals are tied together on the PC board.

➢ The minimum bending radius is 2.75". The Westflex SMD RGB may be bent over a smaller radius but only in regions of the circuit board containing no electronic components and such bends should be made once and fixed in position to avoid damage to product.

➢ If you experience a situation where you have multiple LED's out in a run, you have mechanically stressed the components on the PC board. This is not a defect and is not covered under the warranty.