

# GM Lighting

0 D J Q LED Task™ FLTR300-, Itr300SV LTR60, GM100, 12VDC an 24VDC , 30m , 5m and 1 Meter Reel Ribbon Installation Instructions SURE-TITE™- connectors

<<Use only UL listed Wire and accessories with Ribbon and power supplies to maintain a UL listed system.>>

<<Use only UL approved wiring methods >>Follow all NEC and local building codes.<<

\*\*\*ONLY USE the proper 12VDC or 24VDC VOLT POWER SUPPLIES\*\*\*

*Make all connections and test system before installing*

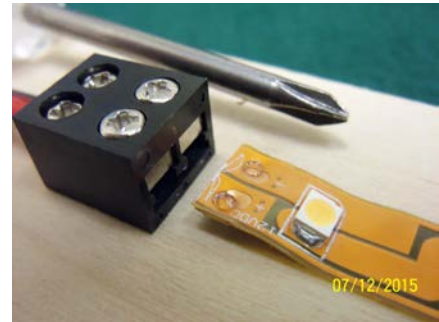
*MAX RUN ON A SINGLE POWER LEAD high output=- 16.4 FEET std output- = 32 feet*

**Cutting the LED ribbon to desired length:** Using scissors the LED ribbon can be cut on the clearly marked cutting line which is located every 3 LEDs except where the solder drops are located on the ribbon. Making a cut past the contact points will cause damage to that circuit and the ribbon will not operate properly.

**Connecting ribbon to power supply.** Using the SURE TITE- connector, loosen the set screws with a Philips no1 screwdriver, slide the ribbon into the connector , making sure to fully insert the copper contacts into the connector. Make sure the connector is right side up! Verify the polarity is correct. If not, it may be necessary to reorient the wire leads to maintain proper polarity. Tighten screws down to make contact , Make sure all screws are tight. Verify continuity, Polarity is not useful without Continuity!!! Polarity can always be corrected if you have continuity!!!

**Connecting cut ribbon sections together.** Using the STC-1 or STLK-60 connector , slide the second ribbon into the connector. Make sure the copper contact points are fully in the connector. It may be necessary to trim the end of the ribbon to facilitate greater conductor contact. The STLK wire whip can be cut to length in the field. Tighten the set screws.

**Make sure to verify continuity, then polarity,** the ST connector and ribbon require proper electrical orientation. The connector cannot be “flipped” or put on upside down. The connector only makes continuity right side up, If polarity is not correct, make sure the connector or ribbon is in the correct end for end orientation. Or you may need to reorient the wire leads to correct for polarity. Do not flip the connector!!!!



Cut ribbon in designated areas. It may be necessary to trim end of ribbon to facilitate greater conductor contact. The copper contact points need to be fully inserted in the connector.



Align polarities and slide ribbon into connector and tighten screws. It may be required to switch the wire leads if polarity is not correct, DO NOT try to put the connector on the ribbon upside down!!!<<<