

# LED MINI STEP LIGHT INSTRUCTIONS, FIGURES 1 - 14

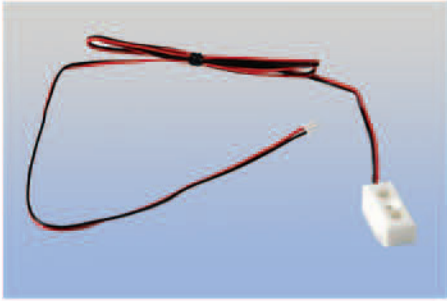


Figure 1



Figure 2

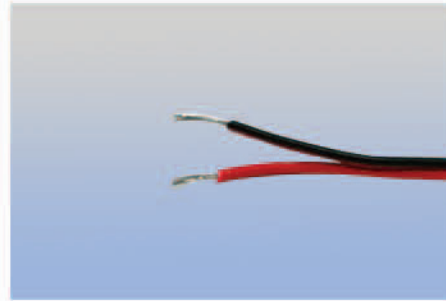


Figure 3

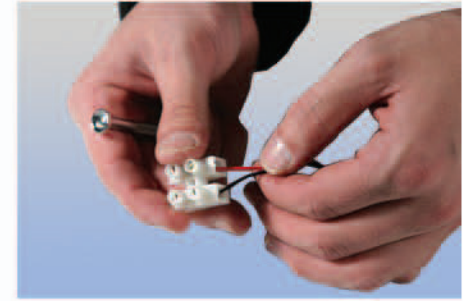


Figure 4



Figure 5



Figure 6

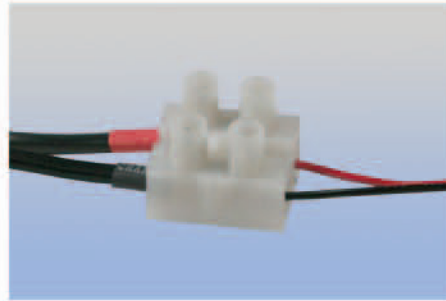


Figure 7

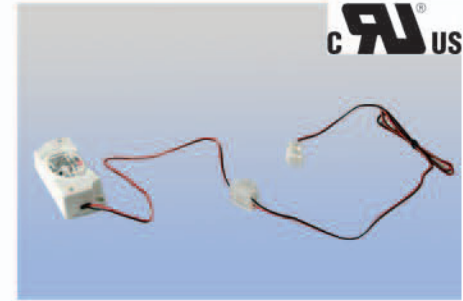


Figure 8

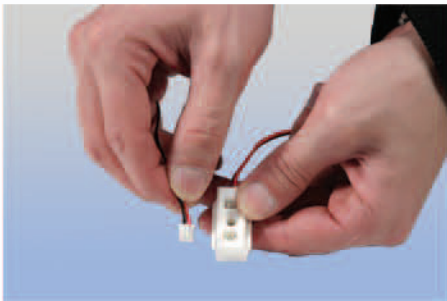


Figure 9



Figure 10



Figure 11

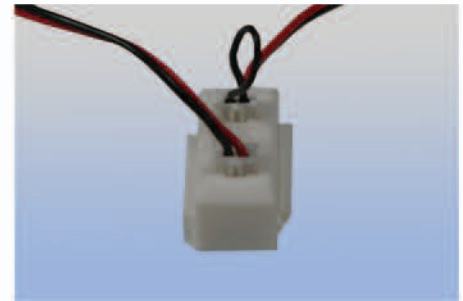


Figure 12

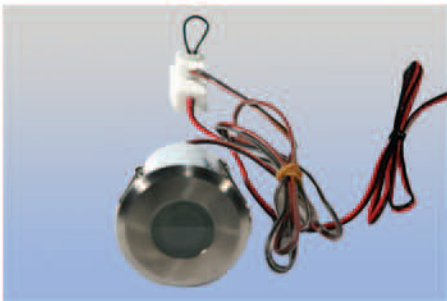


Figure 13

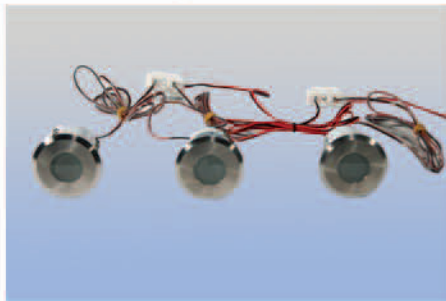


Figure 14

# LED MINI STEP LIGHT

## Installation instructions for model 023-0001

### Important:

The following instructions are provided to assure safe installation and operation of LED Mini Step Light. Please read carefully before connecting or installing this product.

1. The LED Mini Step Lights are a safe low voltage lighting system that is suitable for indoor and outdoor locations.
2. Do not mount or support the LED Mini Step Light in a manner that can cut the outer jacket or damage wire insulation.
3. Always make sure power is disconnected from the LED Mini Step Lights before cutting, mounting, attaching terminal block, attaching end cap or modifying in any way.

Do not exceed the wattage capacity of the LED driver used (requires a 350mA constant current driver).

**WARNING:** These products may represent a possible shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with the owners manual, current electrical codes and/or the current National Electric Code (NEC).

### Specifications:

- 1 – 8 Step Lights can be wired per 10-watt LED Driver
- Constant Current LED Driver (350mA DC) is required
- One high brightness LED per light (consumes 1.25 watts each)
- Maximum wattage per run is 10 watts (350mA DC)
- Series wiring configuration only
- Recessed mount hole size required: 1-1/2"
- Fixture height: 1-7/8" (profile); 1-5/8" overall

### Installing LED Mini Step Lights

**NOTE: Do NOT cut off the molex connector attached to the LED Mini Step Light's lead wire. This molex connector is required for the series wiring configuration. The LED Mini Step Light does not use conventional parallel wiring.**

1. Always make sure the LED Mini Step Light is disconnected from the power source before wiring.
2. Determine the number of LED Mini Step Lights your application will require. Remember, in any case, do not exceed 10 watts for a single series wired configuration.
3. Utilizing a good pair of shears, cut the Molex connector off the 023-0002 Power Connector (See Figures 1&2 on reverse).
4. Strip the insulation back 3/16" on lead wires (See Figure 3).
5. Place the stripped leads of the 023-0002 into one side of the TL-CONBLK2 connector (See Figure 4) and tighten screws (See Figure 5).
6. Place stripped leads of plug-in driver (019-0004 shown in Figure 6) into the other side of TL-CONBLK2 connector (see Figure 7) and tighten screws. When using a hardwire driver (019-0005) add some lead wire to secondary side of driver to connect to TL-CONBLK2 connector (see Figure 8).
7. For LED Mini Step Lights, check that the male Molex connector is in operable condition. If in operable condition, insert male Molex connector into an open female port of the 023-0003 (See Figures 9&10).
8. When only powering one Mini Step Light, it is necessary to insert an end cap (023-0002 shown in Figure 11) into the other open port to complete the wiring series (See Figure 12).
9. When powering multiple Mini Step Lights, it is necessary to use multiple power connectors, (023-0003) to link Downlights together in a series. The LED Mini Step Lights will not light if the series is not completed with an end cap or Mini Step Light in the last female port of the Power Connector (023-0003) (See Figures 13 and 14).

### Attaching Junction Box

1. In order to provide proper strain relief, each TL-CONBLK2 must be placed in a compatible junction box (FSL-BOX).
2. Disconnect power from transformer.
3. Place TL-CONBLK2 assembly into top of FSL-BOX.
4. Make sure TL-CONBLK2 assembly fits into junction box and enclose with FSL-BOX bottom. Tighten four junction box screws through bottom into top of FSL-BOX.

### RECESS MOUNTING LED Mini Step Light

Note: The LED Mini Step Light is designed for recessed installations only.

1. Always make sure power is disconnected before modifying, mounting or installing a series of LED Mini Step Lights.
2. Drill a 1-1/2" hole in mounting surface.
3. Insert Mini Step Light into cabinet by pushing through hole in surface while holding back spring clips.
4. Make sure that the wire is not in contact with sharp objects.
5. Maximum wattage per series is 10 watts at 350mA DC. Add the number of Mini Step Lights and respective wattage to ensure you do not exceed the maximum wattage.

RV-0802KB



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