

## SAFETY GUIDELINES

READ CAREFULLY BEFORE INSTALLING.  
RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

- **CAUTION - Risk of electric shock.** Before installing this fixture or performing maintenance make sure to turn off the power supply at the circuit breaker or fuse box.
- **WARNING** - This product must be installed in accordance with the applicable manufacturer installation instructions.
- Installation should be performed only by a qualified electrician in accordance with the National Electrical Code (NEC) and local electrical codes. Proper grounding is required for safety.
- **WARNING** - Test lamp before mass installation.
- **WARNING** - This fixture is not intended for use with emergency exits.
- **CAUTION** - If the lamp or luminaire exhibits undesirable operation (buzzing, flickering, etc.), immediately turn off power, and contact the manufacturer.
- This panel light is normally set to work at extra low voltage below DC42V and constant current conditions to ensure safety.
- Designed for use in 100-277V 50-60Hz protected circuits.
- Apply class 2 power supply.

*TGS cannot and will not be liable for any modifications or results of modifications to electrical devices or fixtures. These instructions are provided as a reference. By using the included instructions, you are solely responsible for following all applicable electrical safety procedures, codes, methods, and materials. If you are unsure about any electrical modification or installation, please consult a licensed electrician or electrical contractor in your area.*

## PRODUCT MODELS:

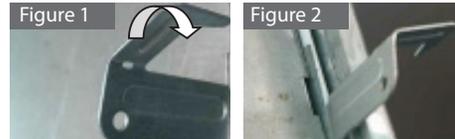
881440-XX-T-F  
882240-XX-T-F  
882440-XX-T-F  
882450-XX-T-F

## Installation Instructions:

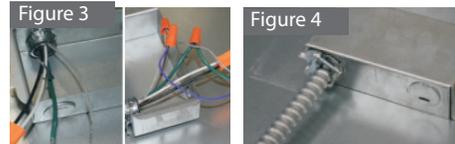
- Unpack and carefully examine the product.
- Report any damage and save all packing materials, if any parts were damaged during shipping.
- Do not attempt to use this product if it is damaged.

## RECESSED INSTALLATION

**Step 1:** Bend hang buckle by 90° making it vertical to the rear cover of the panel light. Do the same for the other 3 hang buckles. (Figure 1 and Figure 2)



**Step 2:** Turn off power, remove the ceiling panel. Then place the panel into the T-bar, ensure the panel is attached to the ceiling. (Figure 3)



**Step 3:** Remove appropriate round knockout(s) and connect conduit to J-Box with proper connector(s).

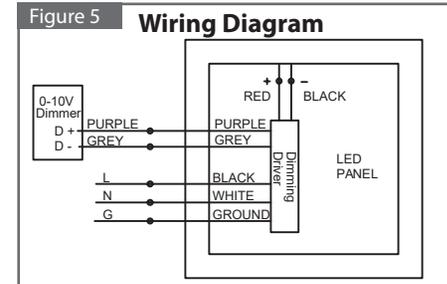
**Step 4:** Insert AC and Neutral wire into the orange connector at the end of the black L and white (Neutral) wires from the panel. (Figure 3)

## For 0-10V Dimming Wiring

Compatible with 0-10V dimmer.

Connect the driver PUR (D+) to dimmer PUR (+), and the driver GRY (D-) to the dimmer GRY(-).

Connect the wires with terminal cap as shown in wiring diagram. (Figure 5)  
Incoming voltage to dimmer must be equal to or greater than branch voltage.



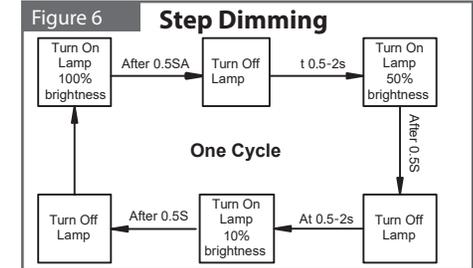
## For Step Dimming Wiring

**(CERTAIN MODELS ONLY)**

There are three brightness levels of step dimming: 100%, 50%, 10%. Turn the fixture on and off in sequence to achieve the different levels as follows. (Figure 6)

- **100% Brightness** - after unit is off for over 3 sec, turn on.
- **50% Brightness** - after turning on to 100%, wait 0.5 to 2 sec and turn off, then turn on. The light will now be at 50%.
- **10% Brightness** - after turning on to 50%, wait 0.5 to 2 sec and turn off, then turn on. The light will now be at 10%.

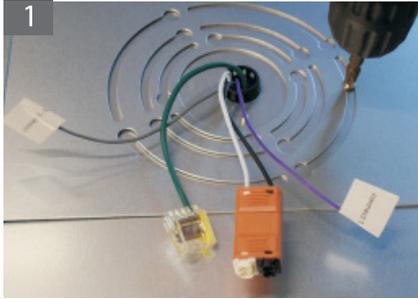
**Note:** For cycle step dimming, wait until the lamp is in full brightness. If step dimming cycle fails, turn off the lamp and turn on after 3 seconds to reset.



**Note:** After 3s turn on lamp to 100% brightness.

**Step 7:** Push all wires back into the junction box. Close J-BOX. (Figure 4)

## SURFACE MOUNT KIT INSTALLATION



**Step 1:** Remove the surface mount kit from the luminaire.



**Step 2:** Turn off power. Insert the L, N wires of the J-Box into the male connector.



**Step 3:** Align the holes on the surface mounted kit with the holes on the J-Box. Tighten 2 #8-32 screws, rotate the plate to your desired position and fasten the KA3.5x20mm screws into the ceiling until the kit is flush with the ceiling.



**Step 4:** Align the 2 longer hooks on the metal plate with the longer hole on the luminaire. "STEP 1" is marked on the luminaire. Insert the two longer hooks into the STEP 1 holes. Slightly move the luminaire forward and make sure the hooks are in firmly inserted.



**Step 5:** Attach the metal cable on the hook.



**Step 6:** Plug the female connector of the luminaire into the male connector of the AC input wire. The ground connects to green wire. Dimming wires connect according to the same wire color.



**Step 7:** Place the wires into the J-Box.



**Step 8:** Push the luminaire on to the ceiling. Make sure the 4 hooks are inside the luminaire and slide the luminaire forward until you hear a clicking sound.