

# INSTALLATION INSTRUCTIONS

## INDIRECT LED GARAGE LUMINAIRE – Pendant Mount and TW2

### IMPORTANT:

Read carefully before installing. All work should be performed by a qualified Electrician. These instructions may not provide directions to cover every variation and detail. To obtain additional information, consult your vendor or contact the factory directly for assistance before attempting anything with uncertainty. Improper installation and/or utilization may void manufacturer's warranty.

This fixture must be grounded in accordance with local codes and the NATIONAL ELECTRIC CODE. Failure to do so may result in serious personal injury. LED luminaires should be operated on grounded systems only.

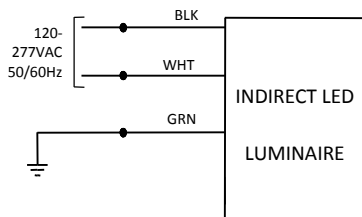
Ungrounded power distribution systems may carry high transient voltages which can cause failure of any type electrical equipment. Use of this equipment on ungrounded systems will **VOID THE WARRANTY**.

### CAUTION:

Make sure all power is turned off while installing or servicing unit. Do not turn power on until fixture is completely installed. Turn power off at the circuit breaker.

### GENERAL:

Upon receipt inspect for any freight damage which should be brought to the attention of the delivering carrier. See "Damage and Shortage Claims" for proper steps in filing claims with the carrier. Compare the catalog description listed on the packing slip with the label on the carton to assure you have received the correct material.



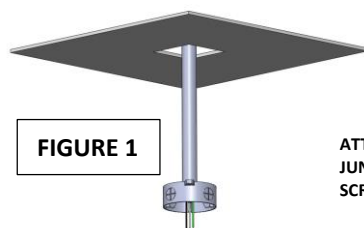
Refer to the luminaire nameplate for the following information:

1. Luminaire Electrical Data
2. Luminaire Lead Identification
3. Catalog and Serial Numbers

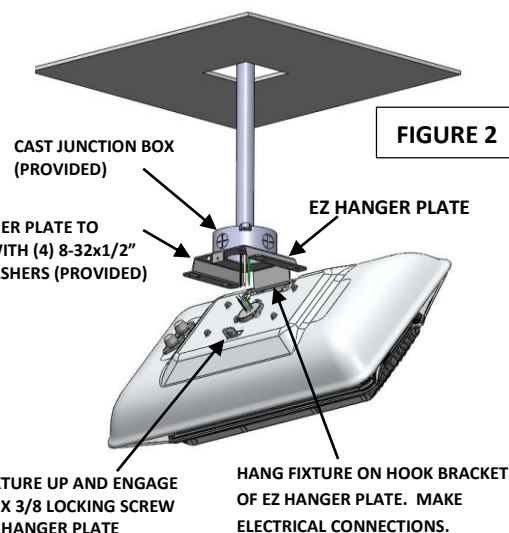
**FOR FIXTURES EQUIPPED WITH OCCUPANCY SENSOR, THE SENSOR EXTENDS BEYOND THE BOTTOM OF THE LUMINAIRE BY 3/16 INCH. THE FIXTURE CARTON IS DESIGNED TO PROTECT THE SENSOR. DO NOT SET FIXTURE DIRECTLY ON A FLAT SURFACE TO AVOID CRUSHING THE OCCUPANCY SENSOR.**

### LUMINAIRE INSTALLATION – PENDANT MOUNT

1. Cut excess lead length beyond pendant. Insure approximately 6" of wire length extends beyond NPT pipe and thread cast junction box to 3/4" NPT pipe. (See FIGURE 1).
2. Insure junction box is in correct orientation for drive lane when fixture is attached (see FIGURE 3) and secure using supplied 3/4-14 locknut.
3. Remove EZ Hanger Plate from luminaire by removing locking screw (see FIGURE 2) and sliding the plate off of the 4 retaining screws using the keyhole slots. Attach the EZ Hanger Plate to the Junction box as shown in FIGURE 2.
4. Hook cross rod of fixture onto hinge hook bracket of EZ Hanger plate. Fixture will hang while allowing internal fixture splice connections to be made. (See FIGURE 2).
5. Make necessary electrical splice connections.
6. Swing fixture up and slide to engage keyhole slots of EZ Hanger plate with screws in top of fixture and torque the locking screw to 28-46 FT LBS.



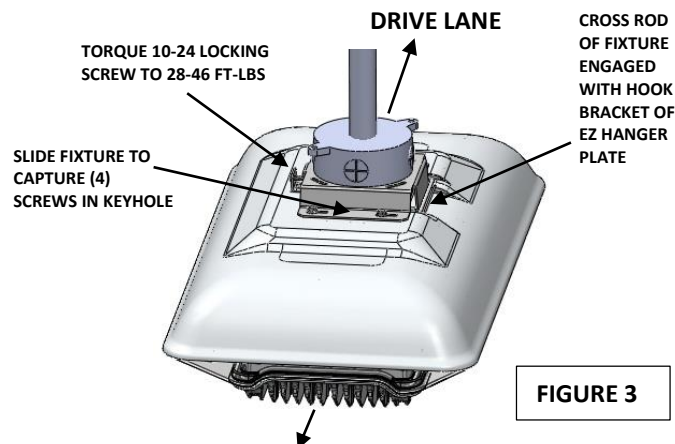
**FIGURE 1**  
Thread cast junction box (supplied) to 3/4" pendant and secure with provided 3/4" jam nut. Insure minimum 6" of lead wire extends beyond 3/4" pipe and that fixture orientation is correct with drive lane (See FIGURE 1 & 3)



**FIGURE 2**  
ATTACH EZ HANGER PLATE TO JUNCTION BOX WITH (4) 8-32x1/2" SCREWS AND WASHERS (PROVIDED)

SWING FIXTURE UP AND ENGAGE THE 10-24 X 3/8 LOCKING SCREW TO THE EZ HANGER PLATE

HANG FIXTURE ON HOOK BRACKET OF EZ HANGER PLATE. MAKE ELECTRICAL CONNECTIONS.



SLIDE FIXTURE TO CAPTURE (4) SCREWS IN KEYHOLE

TORQUE 10-24 LOCKING SCREW TO 28-46 FT-LBS

DRIVE LANE

CROSS ROD OF FIXTURE ENGAGED WITH HOOK BRACKET OF EZ HANGER PLATE

### CAUTION:

#### BRANCH CIRCUIT WIRING

**WARNING:** WIRING SHOULD BE PERFORMED IN ACCORDANCE WITH ACCEPTED NEC PRACTICES. VERIFY THAT THE SUPPLY VOLTAGE MATCHES THAT SHOWN ON THE FIXTURE NAMEPLATE. PROPER GROUNDING IS REQUIRED TO ENSURE PERSONAL SAFETY. CONNECT THE GREEN AND BARE COPPER FIXTURE GROUND LEADS TO A SUITABLE GROUND CONNECTOR.

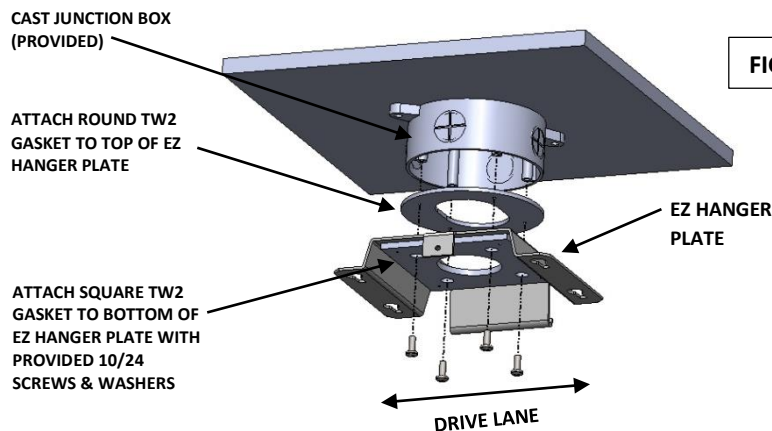


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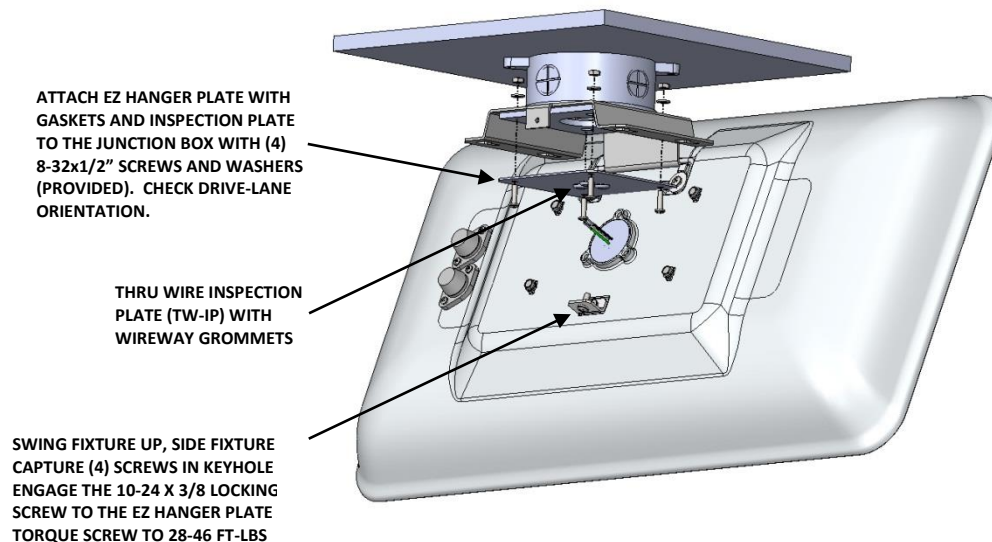
## INDIRECT LED GARAGE LUMINAIRE – Pendant Mount and TW2

### LUMINAIRE INSTALLATION – TW2

7. Cut excess lead length inside wiring compartment. Insure approximately 6" of wire length extends into cast junction box.
8. Insure junction box is in correct orientation for drive lane when fixture is attached (see FIGURE 3).
9. Remove EZ Hanger Plate from luminaire by removing locking screw (see FIGURE 2) and sliding the plate off of the 4 retaining screws using the keyhole slots.
10. Apply the round TW2 self-adhesive gasket to the top of the EZ Hanger Plate as shown in FIGURE 4.
11. Apply the square TW2 self-adhesive gasket to the bottom of the EZ Hanger Plate as shown in FIGURE 4. Align mounting holes.
12. Attach the EZ Hanger Plate to the junction box as shown in FIGURE 5. Check drive lane orientation.
13. Hook cross rod of fixture onto hinge hook bracket of EZ Hanger plate. Fixture will hang while allowing internal fixture splice connections to be made. (See FIGURE 5).
14. Route fixture wires through the three diaphragm grommets in the TW-IP.
15. Make necessary electrical splice connections.
16. Attach the TW-IP to the bottom of the EZ Hanger plate as shown in FIGURE 5.
17. Swing fixture up and slide to engage keyhole slots of EZ Hanger plate with screws in top of fixture (FIGURE 3) and torque the locking screw to 28-46 FT LBS.



HANG FIXTURE WIREFORM ON  
HOOK BRACKET OF EZ HANGER  
PLATE. ROUTE FIXTURE WIRES  
THROUGH GROMMETS.  
MAKE NECESSARY  
ELECTRICAL CONNECTIONS.



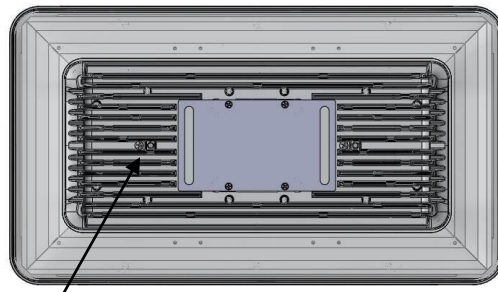
**FIGURE 5**

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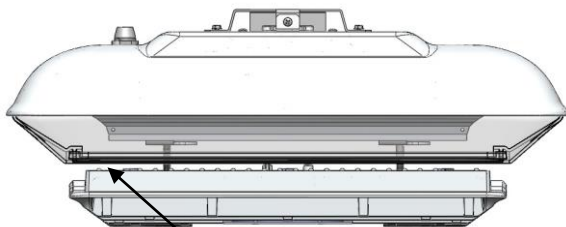
## INDIRECT LED GARAGE LUMINAIRE – Pendant Mount and TW2

### SERVICE AND MAINTENANCE

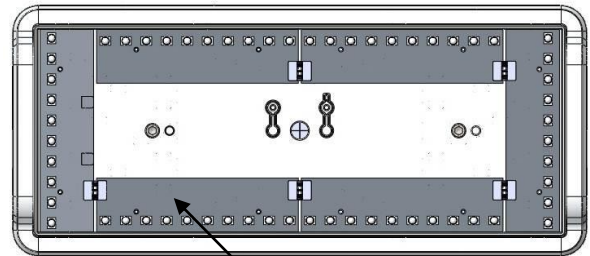
1. To access LED Boards and/or drivers, remove two ¼-20 Pan Head Screws from bottom of Luminaire, until screws are completely unthreaded and safety catch is engaged.
2. Remove quick disconnect from board assembly.
3. Slide fixture to the right to disengage safety catch, and gently place heatsink on flat surface.
4. If necessary, replace LED board array by removal of 6-32 pan head screws and pulling specific board from assembly.
5. If necessary, replace driver by disconnecting from board wiring harness and black and white power connections.



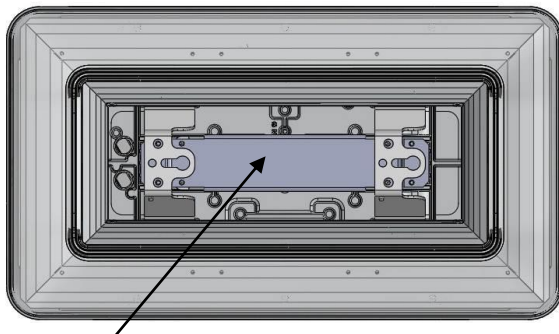
Remove ¼-20 screws completely. As screws unthread, fixture heatsink will lower and safety catch will engage.



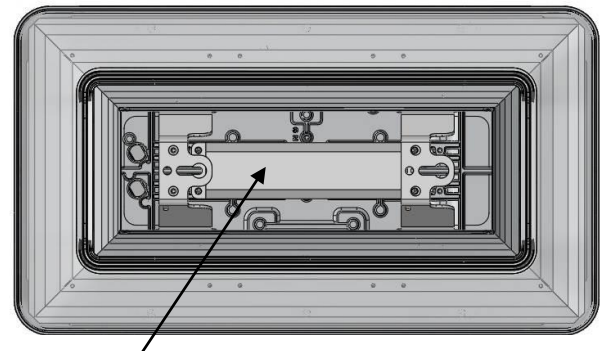
Before sliding heatsink to the right to disengage, remove LED board power quick disconnect and occupancy sensor quick disconnect if that option was ordered.



Once heatsink is removed, individual LED boards may be replaced by removal of 6-32 screws and lifting individual board assemblies.



After removing heatsink, the ballast heatsink bracket can be removed. Removing the ballast heatsink bracket will allow access to the LED Driver.



With the removal of the ballast heatsink bracket, the LED Driver is accessible in the upper portion of the fixture housing. Disconnect LED quick connect wiring harness, the black, and white power connections.

