

INSTALLATION INSTRUCTIONS

IMPORTANT: READ BEFORE INSTALLING FIXTURE.
RETAIN FOR FUTURE REFERENCE.



SAFETY: This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances. Proper grounding is required to insure personal safety. Carefully observe grounding procedure under installation section.

WARNING: Make certain power is OFF before starting installation or attempting any maintenance. Risk of fire/electric shock. If not qualified, consult an electrician.

- **RISK OF ELECTRIC SHOCK**—Disconnect power at fuse or circuit breaker before installing or servicing.
- **RISK OF BURN**—Disconnect power and allow fixture to cool before servicing.
- **RISK OF PERSONAL INJURY**—Fixture may become damaged and/or unstable if not installed properly. Tighten all fixture components to their recommended torque values.

WARNING: Make certain power is OFF before starting installation or attempting any maintenance.

NOTE: THIS LIGHTING FIXTURE IS DESIGNED FOR OUTDOOR LIGHTING SERVICES, AND SHOULD NOT BE USED IN HIGH AMBIENT TEMPERATURE ENCLOSURES OR INSULATED CEILINGS. IT MUST BE STORED IN A DRY LOCATION PRIOR TO INSTALLATION. DO NOT EXPOSE LIGHTING FIXTURE TO RAIN, DUST OR OTHER ENVIRONMENTAL CONDITIONS PRIOR TO INSTALLATION. BEST RESULTS WILL BE OBTAINED IF INSTALLED AND MAINTAINED ACCORDING TO THE FOLLOWING RECOMMENDATIONS. FAILURE TO FOLLOW INSTRUCTIONS COULD RESULT IN DAMAGE TO PRODUCT AND VOID WARRANTIES.

INTENDED FOR NEW CONSTRUCTION AND RETROFIT TO EXISTING INSTALLATIONS WHERE THE CEILING OPENING IS LESS THAN 14" SQUARE.

NOTE: CARE MUST BE TAKEN NOT TO SET LIGHTING FIXTURE DOWN ON OPTICAL LENSES OR LIFT THE FIXTURE IN THE LENS AREA.

APPLICATIONS:

- Minimum 90°C Supply Conductors when connections are made external to the unit.
- Rated for 40°C (104°F) ambient.
- Suitable for wet location.
- Petroleum recessed Canopy luminaire only with minimum 16 inch rail spacing.
- Construction is suitable for down mount only.
- Canopy thickness not to exceed 0.040".
- Canopy must be flat; no waved patterns.

TOOLS REQUIRED: Philips screw driver, electrical wiring tools (Not provided). Industrial strength sealant/adhesive silicone or acrylic latex caulk (Not provided).

RETROFIT AND NEW CONSTRUCTION APPLICATION (COVERED CANOPY)

NOTE: INCOMING POWER LEADS MUST NOT EXCEED 16 GAUGE.

1. Make sure power is turned off.
2. If retrofitting, remove old fixture from the canopy ceiling. If new construction skip to STEP 4.
3. Clean the entire surface on both sides of the canopy surface around the opening. Remove any dirt, debris, old paint, sealant and rust scale. Clean approximately 2 feet in each direction on top of the canopy; approximately 6 inches on bottom of canopy.
4. Using the existing opening as center point, cut out 14 x 14 inch square opening in the canopy with template provided (FIG. 1a).
5. Use the template to screw in four sheet metal screws provided from bottom side of canopy (FIG. 1b).

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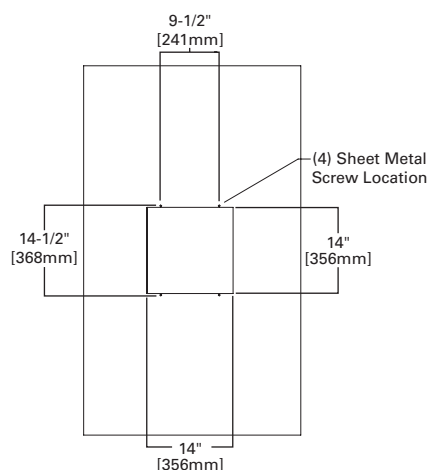
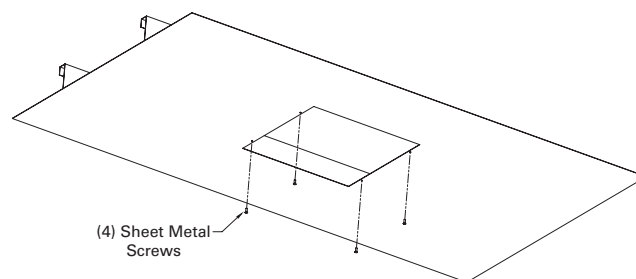


FIG. 1a

FIG. 1b



These instructions do not claim to cover all details or variations in the equipment, procedure, or process described, nor to provide directions for meeting every possible contingency during installation, operation or maintenance. When additional information is desired to satisfy a problem not covered sufficiently for user's purpose, please contact your nearest representative. **NOTE:** Specifications and dimensions subject to change without notice.

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6. Remove new fixture from carton and set it on a clean surface; remove the driver box door by loosening four Philip head screws. Set the door and screws aside.
7. With the incoming wires coming through 1/2" water tight conduit, insert incoming power leads into the wire holes in grommet provided; Make sure to have at least 3" of wires through the grommet; Push the grommet into the conduit opening.
8. Secure water tight conduit with connector and incoming power leads into the hole of the driver box housing. The conduit connector must have a gasket on outside for sealing. Tighten the connector with locknut on the inside of the driver box. Make sure the connector is snug fit against the box opening.
9. Make splice connections inside the box: Connect Black, White and Ground wire inside the box with matching wires by lifting the wago connector levers and inserting wires into the connectors. Once inserted properly, press lever back into lock position and tug on the wires to make sure proper connection is made.
10. Tighten the driver box door back with philip head screws (25 in. lbs. torque) and ensuring driver box gasket stays in place during this step.

NOTE: FOR VERTICAL WIDE REFLECTOR ONLY (LRC-VAT), BEFORE STEP 11 PROPERLY ORIENT THE FIXTURE (**FIG. 2**) AS DESIRED; LOCATE THE ORIENTATION LABEL AND ORIENT THE FIXTURE ACCORDINGLY. ARROW SHOULD POINT TO DIRECTION OF THROW.

11. Flip fixture over and loosen four door screws. Carefully place the door aside while making sure not to scratch the glass lens and painted door.

NOTE: DO NOT REMOVE THE CORRUGATED SHEET FROM THE OPENING UNTIL AFTER INSTALLATION.

12. Insert fixture through the canopy opening diagonally (**FIG. 3**) and rest it on top side of the canopy. Make sure the splice conduit does not get caught under the fixture during installation.
13. Align the four sheet metal screws that were drilled into the canopy with the four hole openings in fixture frame (**FIG. 4**).
14. Take the corrugated cardboard sheet out of the fixture by peeling the tape off.
15. Attach the tether to the door by unscrewing nut from the door, placing the tether onto the stud and tighten the nut back on (**FIG. 6**).
16. Screw the door into the fixture while making sure the tether does not get caught up in gasket and tighten four door screws (use two diagonal studs as guide to locate door screws **FIG. 6**). Ensure screws are tightened all the way (torque 15 in. lb.).
17. Clean off glass surface after door installation; avoid LED contact and use only Vinegar based multi-surface cleaners (windex multi-surface vinegar or similar).

RETROFIT AND NEW CONSTRUCTION APPLICATION (OPEN CANOPY, TOP INSTALLATION)

NOTE: INCOMING POWER LEADS MUST NOT EXCEED 16 GAUGE.

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FIG. 2 (Top View of Canopy)

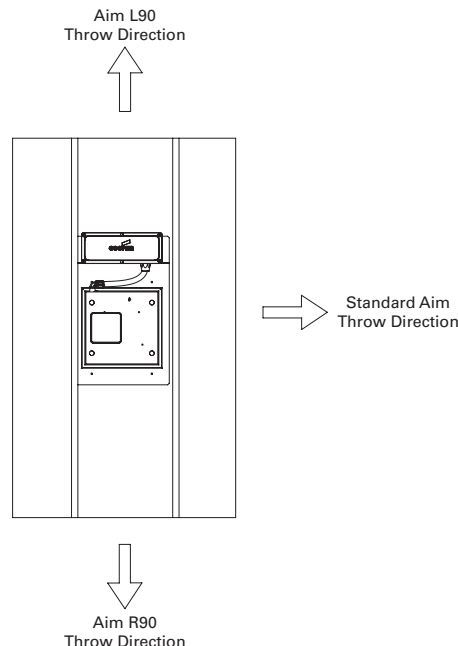
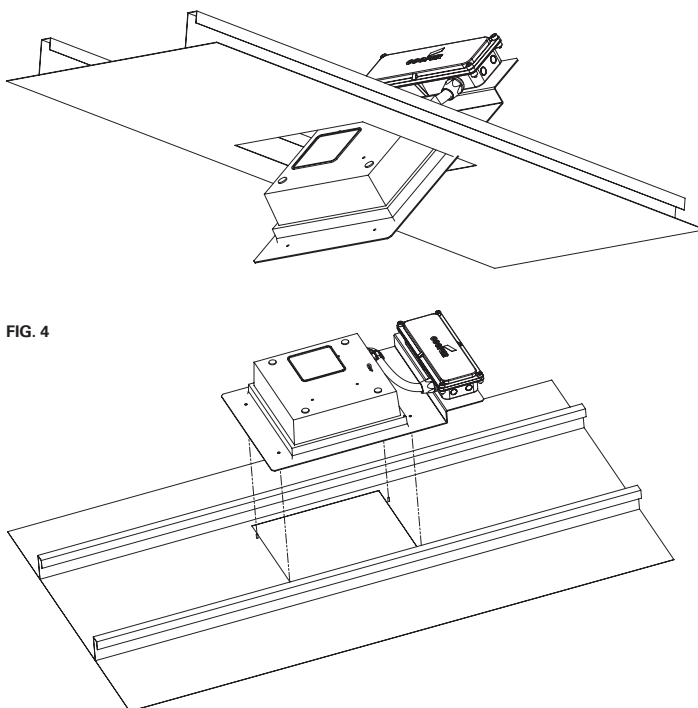


FIG. 3

FIG. 4



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1. Make sure power is turned off.
2. If retrofit, remove old fixture from the canopy ceiling. If new construction skip to STEP 4.
3. Clean the entire surface on both sides of the canopy surface around the new opening. Remove any dirt, debris, old paint and rust scale. Clean approximately 2' in each direction on top of the canopy; approximately 6" on bottom of canopy.
4. Remove new fixture from carton and set it on a clean surface; remove the driver box door by loosening four Philip head screws. Set the door and screws aside.

NOTE: INSIDE OF THE BOX HAS PROTECTIVE PACKING AROUND THE KNOCKOUT, LEAVE THIS INTACT TO PROTECT THE DRIVER DURING NEXT STEP.

5. Flip fixture over and loosen four door screws. Carefully place the door aside while making sure not to scratch the glass lens and painted door.

NOTE: DO NOT REMOVE THE CORRUGATED CARDBOARD SHEET FROM THE OPENING UNTIL AFTER INSTALLATION.

6. Beneath the canopy, using the existing opening as center point, cut out 14 x 14 inch square opening in the canopy with template provided (**FIG. 1a**).
7. Use the template to screw in four sheet metal screws provided through holes opening. These four screws through the canopy will help as a guide pins when installing the fixture from top side of canopy (**FIG. 1b**).
8. On top of the canopy, with the incoming wires coming through 1/2" water tight conduit, insert incoming power leads into the wire holes in grommet provided; Make sure to have at least 3" of wires through the grommet; Push the grommet into the conduit opening.
9. Secure water tight conduit with connector and incoming power leads into the hole of the driver box housing. The conduit connector must have a gasket on outside for sealing. Tighten the connector with locknut on the inside of the driver box. Make sure the connector is snug fit against the box opening.
10. Make splice connections inside the box: Connect Black, White and Ground wire inside the box with matching wires by lifting the wago connector levers and inserting wires into the connectors. Once inserted properly, press lever back into lock position and tug on the wires to make sure proper connection is made.

NOTE: FOR VERTICAL WIDE REFLECTOR ONLY (LRC-VAT), BEFORE STEP 11 PROPERLY ORIENT THE FIXTURE (**FIG. 2**) AS DESIRED; LOCATE THE ORIENTATION LABEL AND ORIENT THE FIXTURE ACCORDINGLY. ARROW SHOULD POINT TO DIRECTION OF THROW.

11. Tighten the driver box door back with Philip head screws (torque: 25 in. lbs.) and ensure driver box gasket stays in place during this step.
12. Apply 1/4" bead of Industrial strength sealant/adhesive (NOT PROVIDED) around the perimeter of the housing frame plate as shown (**FIG. 5**).

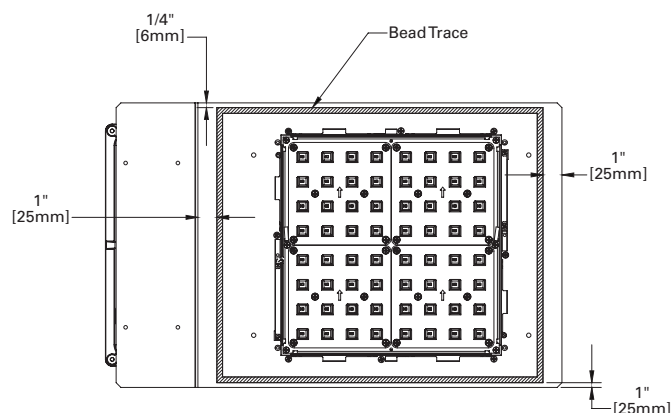


FIG. 5

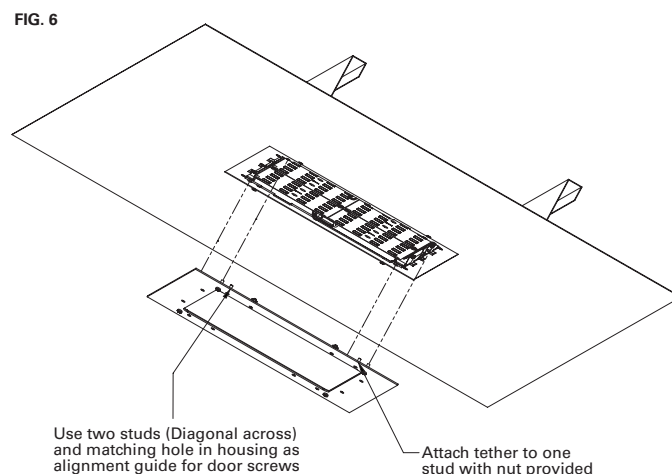


FIG. 6

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13. Flip the fixture over with housing facing up and use the four sheet metal screws as guide pins to place the fixture on top of the canopy **FIG. 4**.
14. Apply hand pressure around the perimeter to ensure sealant contacts the canopy top.
15. Apply sealant around the four screws to cover up screw opening around the sheet metal plate and tighten the four nuts provided.
16. Beneath the canopy, take the corrugated cardboard sheet out of the fixture by peeling the tape off.
17. Attach the tether to the door by unscrewing nut from the door, placing the tether onto the stud and tighten the nut back on (**FIG. 6**).
18. Screw the door into the fixture while making sure the tether does not get caught up in gasket and tighten four door screws (use two diagonal studs as guide to locate door screws **FIG. 6**). Ensure screws are tightened all the way (torque: 15 in. lbs.).
19. Clean off glass surface after door installation; avoid LED contact and use only vinegar based multi-surface cleaners (Windex multi-surface vinegar or similar).

MAINTENANCE:

NOTE: A REGULAR MAINTENANCE SCHEDULE SHOULD BE FOLLOWED TO RETAIN OPTIMAL LIGHT OUTPUT AND THERMAL PERFORMANCE.

Optical reflector cleaning should be performed with a clean dry cloth to remove any dust or other contaminants. Additional cleaning can be performed with a cloth dampened with vinegar based multi-surface cleaners (Windex multi-surface vinegar or similar). Avoid spraying on LEDs.

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