

11218-DIR INSTALLATION INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

READ AND UNDERSTAND ALL INSTALLATION INSTRUCTIONS COMPLETELY BEFORE INSTALLING FIXTURE! SAVE THESE INSTRUCTIONS.

General Safety Warnings

- **Risk of Fire:** Fixture installation and all electrical connections must comply with applicable local and National Electrical Codes (N.E.C.) rules, regulations, codes, and standards. This work should only be performed by a person familiar with the product's construction, operation, and associated hazards.
- **Qualified Electrician Required:** If you are unfamiliar with installing fixtures, accessories, or electrical wiring, have a qualified licensed electrician install this fixture for you.
- **Risk of Shock:** House electric current can cause painful shock or serious injury.
 - a. Always disconnect power before fixture installation, wiring, or maintenance.
 - b. Before starting wire connections, disconnect power by turning off the circuit breaker or removing the fuse at the fuse panel. Turning the power off using the light switch is not sufficient to prevent electrical shock.
- **Wire Rating:** For installation, use supply conductors rated 90°C. This luminaire must be connected with supply wire rated at 90°C. Most dwellings built before 1985 have supply wire rated at 60°C; consult a qualified electrician before installing.
- **Inspection:**
 - a. DO NOT INSTALL DAMAGED PRODUCT!
 - b. Check the fixture for input voltage before connecting power.
 - c. Consult a qualified electrician to ensure the correct branch circuit conductor.
- **Modifications:** Do not make or alter any open holes in a wiring enclosure or any electrical components during kit installation.
- **Location:** Do not install in locations where water collects or stands for prolonged periods.
- **Codes & Protection:**
 - a. The fixture must always be installed according to local and national electrical codes, rules, and regulations.
 - b. The fixture must be installed on a circuit protected by a Ground Fault Circuit Interrupter (GFCI).

Installation & Maintenance Guidelines

- **Watertight Seal:** The joint MUST be sealed between the mounting surface (e.g., wall, ground, ceiling) and the fixture with an appropriate sealing/caulking compound to provide a watertight seal. Seal all conduit openings and openings from water entry.
- **Cleanliness:** Always ensure that all gaskets and sealing surfaces are free of dirt and debris.
- **Before Servicing:** Before servicing, ensure the fixture is cool to the touch.

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Specific Guidelines for LED Fixtures

LED fixtures, LED drivers, and LED electrical components are more precise electrically than standard non-LED products (e.g., Incandescent, Compact Fluorescent, H.I.D.). Please follow these guidelines when installing LED fixtures/LED drivers:

1. **Dedicated Circuit:** Install LED fixtures/LED drivers only on their own circuit. Do not mix any other products (Incandescent, Compact Fluorescent, H.I.D. products/fixtures) with LED fixtures/LED drivers on a single circuit.
2. **Compatible Equipment:** Do not use any other electrical equipment (e.g., surge protector, photocell) that is not rated for use with LED fixtures/LED drivers on the same circuit.
3. **GFCI Protection:** The fixture must be installed on a circuit protected by a Ground Fault Circuit Interrupter (GFCI).
4. **Surge Protection:** Install remote surge protector(s) (supplied by others) if the fixture is not already installed with one. These should be on the circuit with nothing between the surge protector and the LED fixtures/LED drivers to help mitigate power surges that may harm them. Periodically check to ensure your remote surge protector(s) are in good working order.

Fixture Installation Instructions

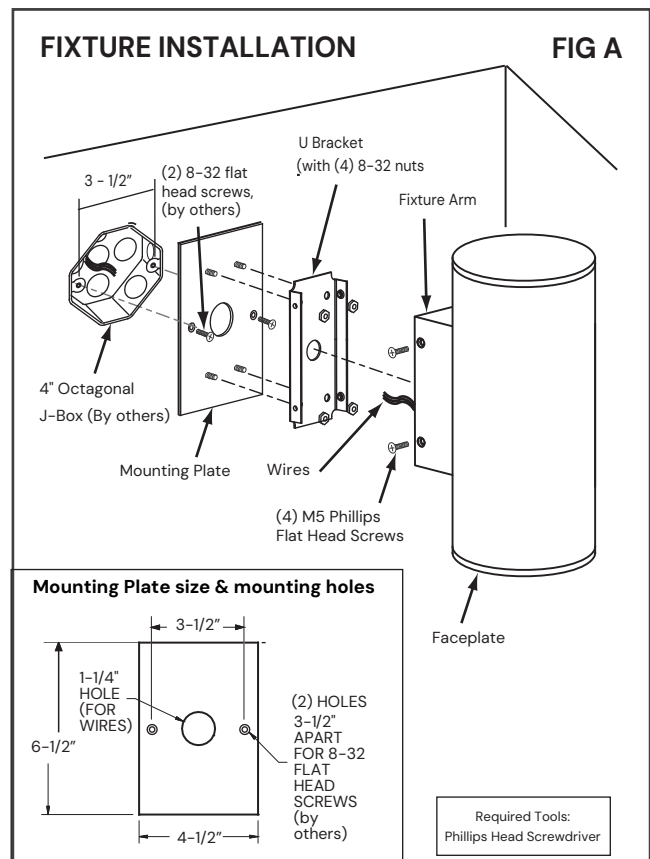
(NOTE: The 11218-DIR fixture may be installed pointing up or down.)

Before You Begin

1. Ensure supply wiring is in place before mounting the fixture.
2. Confirm that the mounting surface and/or J-box can adequately support the fixture's weight.

Mounting the Fixture

1. **Prepare the Mounting Plate:** Remove the U-Bracket and Mounting Plate from the arm to expose the mounting holes on the Mounting Plate (see FIGURE A).
2. **Attach to J-Box:**
 - a. Using the existing holes, mount the Mounting Plate to a 4" octagonal J-box (supplied by others) with 8-32 flat head screws (supplied by others, see FIGURE A). Tighten securely.



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- b. If drilling new holes to mount the Mounting Plate to a different J-box or directly to the mounting surface, ensure that hardware (supplied by others) on the Mounting Plate does not interfere with the U-Bracket and/or arm mounting flat (or flush) to the Mounting Plate.
 - c. **Protect Exposed Metal:** Cover any newly exposed metal on the Mounting Plate with outdoor paint appropriate for the application to protect it from the elements.
3. **Secure U-Bracket:** Secure the U-Bracket flat to the Mounting Plate with the supplied (4) 8-32 nuts, and tighten securely.
4. **Connect Wiring:** Proceed to the "Wiring Fixture" instructions below.
5. **Mount Fixture Arm:** Securely mount the fixture arm on the U-Bracket with four (4) flat head M5 screws, and tighten securely.
6. **Seal Openings:** Seal all holes/openings to prevent water entry into the junction box, wires, and/or fixture (e.g., between the Mounting Plate and mounting surface, and Mounting Plate and arm).

Wiring Fixture Instructions

WARNING: Always check the fixture for input voltage before connecting power to the fixture.

1. **Ground Wire:** Connect the ground wire (green or bare copper/aluminum) from the supply circuit to the ground wire (green or bare copper), screw, or connector from the luminaire.
2. **Neutral Wire:** Connect the neutral (common) wire from the power supply to the neutral wire from the luminaire.
3. **Main Voltage Wire:** Connect the main voltage supply wire (line/lead) from the power supply to the line (lead) wire from the luminaire.
4. **Secure Connections:** Secure connections using UL Listed wire nuts/connectors, and then with UL Listed electrical tape (supplied by others), as required and appropriate for the connection.
5. **Dimming Wiring:** For dimming wiring, refer to the separate wiring diagram.
6. **Photocontrol/Photocell:** If the fixture is using an internal photocontrol/photocell device, please refer to the manufacturer's photocontrol/photocell instructions for wiring the supply circuit to the photocontrol/photocell in the fixture.