

## INSTALLATION INSTRUCTIONS

### Outdoor Installation (Wet Location)

**⚠ Danger:** Always disconnect power before wiring or performing maintenance. Fixtures must be installed by a qualified electrician in compliance with all local and national electrical codes. Do not install in areas where water may pool or stand for extended periods. All installations must be on a circuit protected by a Ground Fault Circuit Interrupter (GFCI).

#### Warning:

- The joint between the fixture and the mounting surface (wall, ground, ceiling, etc.) must be sealed with an appropriate caulking or sealing compound to ensure a watertight seal.
- Seal all conduit and wiring openings to prevent water entry.
- Ensure all gaskets and sealing surfaces are clean and free of dirt or debris before installation.
- Allow fixture to cool before servicing.

**Note:** LED fixtures, drivers, and electrical components are more sensitive to electrical conditions than conventional sources (e.g., incandescent, CFL, HID).

#### LED Installation Guidelines:

1. Install LED fixtures and drivers on dedicated circuits. Do not mix with non-LED products (incandescent, CFL, HID, etc.) on the same circuit.
2. Only use electrical equipment (e.g., surge protectors, photocells) that is rated and approved for use with LED fixtures and drivers.
3. Each circuit must be protected with a GFCI (provided by others) as appropriate to the installation.
4. If not already integrated into the fixture, install remote surge protectors (provided by others) directly on the circuit, with no other devices between the surge protector and the LED fixture/driver. This protects the system against harmful power surges.

### Indoor Installation for Type IC (Dry or Damp Location)

Important: Read and understand all instructions before installing this fixture.

**⚠ WARNING:** Risk of Shock. Electrical current can cause serious injury. Always disconnect power at the circuit breaker or fuse panel before installation, wiring, or maintenance. Turning off the light switch alone is not sufficient.

- Installation must comply with all local and National Electrical Codes (NEC) and be performed by a qualified, licensed electrician.
- Allow fixture to cool before servicing.
- Confirm that fixture input voltage matches supply voltage prior to connection.
- This fixture is suitable for dry and damp locations and for Type IC installations (approved for direct contact with insulation).

#### Wiring Requirements

- Fixture must be connected to supply wires rated at 90°C minimum. Many dwellings built before 1985 may only have 60°C-rated supply wire. Consult a qualified electrician if uncertain.
- Fixture must be installed on a dedicated circuit with Ground Fault Circuit Interrupter (GFCI) protection.
- Do not connect LED fixtures or drivers on the same circuit with non-LED products (incandescent, CFL, HID, etc.).
- Do not use electrical equipment (e.g., surge protectors, photocells) unless rated and approved for LED fixtures and drivers.

#### Installation Clearances

- Maintain a minimum of 6 inches clearance from curtains or similar combustible materials.
- Maintain at least 1/2 inch clearance between the fixture housing and combustible construction materials (e.g., wooden joists, subflooring, or roofing).

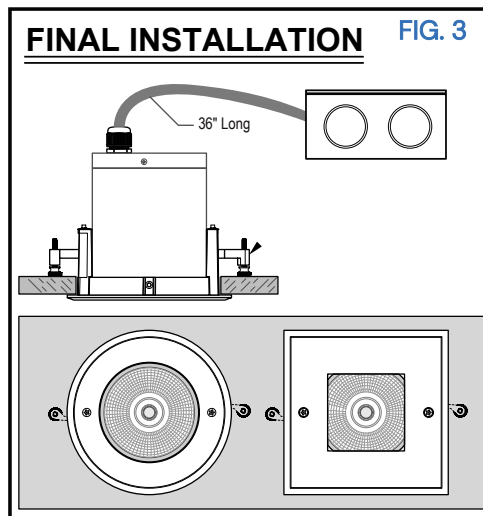
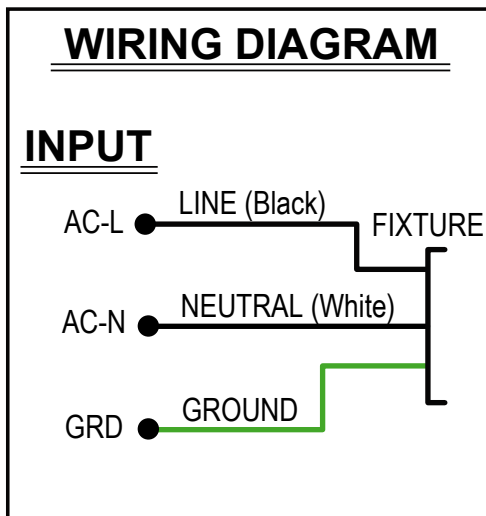
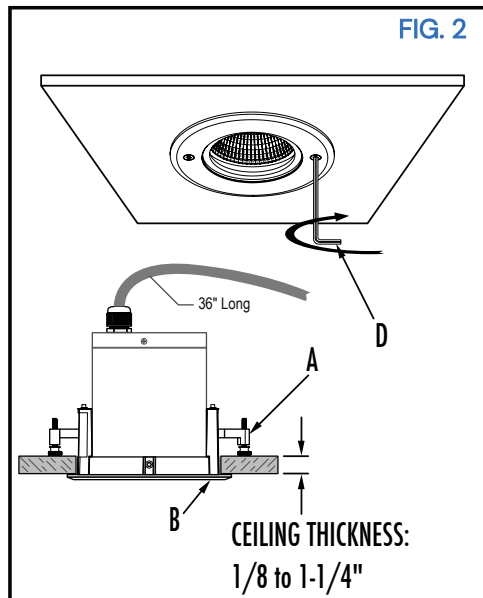
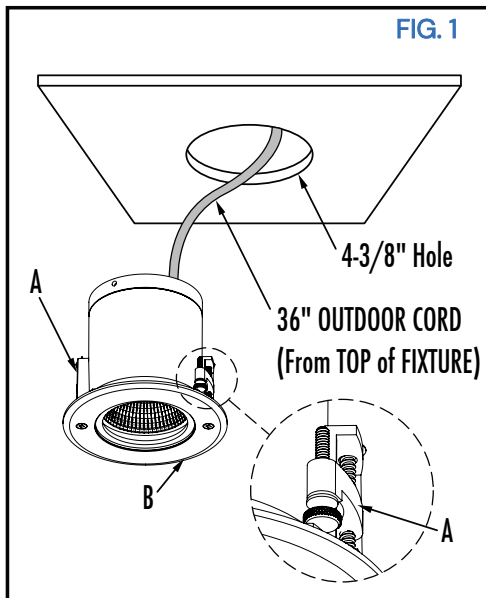
#### Surge Protection

- If the fixture does not include a built-in surge protector, install a remote surge protector (by others) on the same circuit, with no devices between the surge protector and the fixture/driver.
- Periodically inspect surge protectors to confirm proper operation.

## INSTALLATION INSTRUCTIONS for 4-Inch Round Vandal-Resistant Exterior LED Can Light

### Fixture Installation

1. **Cut Ceiling Opening**
  - a. Cut a hole in the ceiling at the desired installation location.
  - b. Hole size: 4-3/8" for models 14078-4 and 14078-6 (see FIG. 1).
  - c. Ceiling thickness should be between 1/8" and 1-1/4" (see FIG. 2).
2. **Prepare Fixture**
  - a. Ensure all black flaps (A) (FIG. 1) are positioned against the fixture housing before inserting into the ceiling cutout.
3. **Insert Fixture**
  - a. Insert fixture into the hole until the bottom of the trim ring (B) (FIG. 1) is flush with the ceiling surface (FIG. 2).
4. **Secure Fixture**
  - a. Using a Hex L-Key (D, by others), tighten the two screws (C) (FIG. 2) in the order shown.
  - b. Tightening will pivot the black flaps (A) against the backside of the ceiling to lock the fixture in place.
  - c. Do not overtighten screws.



## INSTALLATION INSTRUCTIONS for 6-Inch Round Vandal-Resistant Exterior LED Can Light

### Fixture Installation

1. **Cut Ceiling Opening**
  - a. Cut a hole in the ceiling where the luminaire will be installed.
  - b. Hole size: 6-1/2" for models 14078-6 and 14078-ADJ-6 (see FIG. 1).
  - c. Ceiling thickness: 1/8" to 1-1/4" (see FIG. 2).
2. **Wire the Fixture**
  - a. Make all electrical connections before inserting the fixture (see Wiring Instructions below).
3. **Insert Fixture**
  - a. Ensure all black flaps (A) (FIG. 1) are positioned against the fixture housing before inserting.
  - b. Insert the fixture into the ceiling opening until the trim ring (B) (FIG. 1) is flush with the ceiling surface (FIG. 2).
4. **Secure Fixture**
  - a. Using a Hex L-Key (D, by others), tighten the two screws (C) (FIG. 2) in the order shown.
  - b. This will pivot the black flaps (A) to grip the backside of the ceiling and hold the fixture in place.
  - c. Do not overtighten screws to avoid damage.

### Wiring Instructions

**WARNING:** Always verify fixture input voltage before making connections. Disconnect power at the circuit breaker prior to wiring.

- a. • Fixture includes up to 36 inches of water-resistant cord.
- b. • Some models may have an external LED driver connected to this cord. If so, ensure the driver is adequately protected from environmental exposure (depending on installation conditions).

### Electrical Connections

1. Connect ground wire (green or bare copper/aluminum) from supply circuit to fixture ground (green or bare copper wire/screw/connector).
2. Connect neutral wire (white) from supply circuit to fixture neutral (white).
3. Connect line wire (black) from supply circuit to fixture line (black).
4. Secure all connections with UL Listed wire nuts/connectors and reinforce with UL Listed electrical tape (by others), as required by code.

