



### READ BEFORE YOU START

THIS LUMINAIRE IS TO BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND THE NATIONAL ELECTRIC CODE (NFPA70). FAILURE TO FOLLOW THESE CODES AND INSTRUCTIONS MAY RESULT IN SERIOUS INJURY, PROPERTY DAMAGE AND VOID THE WARRANTY. THESE INSTRUCTIONS DO NOT COVER ALL TYPES OF INSTALLATION AND MOUNTING, OPERATION OR MAINTENANCE.



### WARNING! - HOT

THE LUMINAIRE, LENS, AND SURROUNDING METAL COMPONENTS CAN BECOME VERY HOT DURING OPERATION, POSING A BURN RISK. AVOID INSTALLING FIXTURES IN AREAS ACCESSIBLE TO CHILDREN, ESPECIALLY WHEN USING HIGH-WATTAGE LAMPS, AND KEEP FLAMMABLE MATERIALS CLEAR OF THE UNIT. ALWAYS ALLOW THE FIXTURE TO COOL COMPLETELY BEFORE HANDLING OR PERFORMING MAINTENANCE.



### WARNING! - SHOCK HAZARD

DO NOT INSTALL WITHIN 10 FEET (3M) OF POOLS, SPAS, OR FOUNTAINS.

TURN POWER OFF BEFORE INSTALLING OR SERVICING COMPONENTS.

### TOOLS/SUPPLIES NEEDED:

- Phillips Screwdriver
- Direct-burial connectors
- Low voltage direct burial cable
- Wire cutters/strippers
- Drill

### PARTS INCLUDED:

- ILS-H100: Light fixture
- Set of Mounting Plates (3)
- Set of Mounting Screws (3)
- Set of Mounting Anchors (3)

### IMPORTANT SAFETY GUIDE:

- It is recommended to use a qualified electrician for installation or maintenance.
- Use only low-voltage landscape power supplies ( $\leq 300W$ , 25A, 15V).
- Only use wire connectors suitable for direct burial and outdoor use.
- Position the low voltage cable and wire connectors within 6 inches (15.2 cm) from a building structure, a luminaire or fitting.
- Low voltage cable is intended for shallow burial - less than 6 inches (15.2 cm).
- DO NOT INSTALL under stairs, seating, or other similar structures where the tread overhang is less than 1"

## INSTALLATION STEPS 1-11

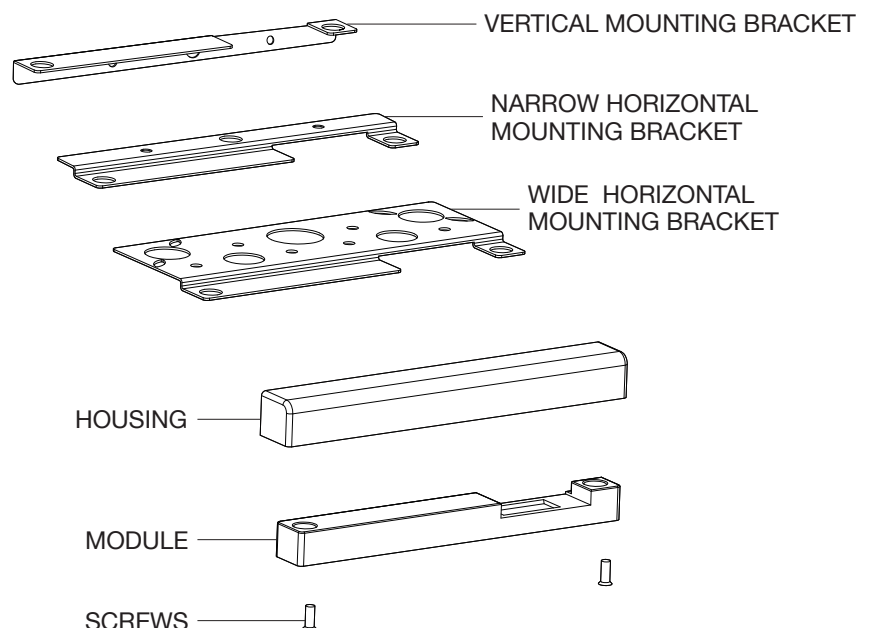
### Step 1: Unpack and Verify Parts

Remove all components from the packaging. Using a Phillips screwdriver remove the screws from the module and disassemble the fixture. Confirm that all necessary parts are included. (FIG 1)

### Step 2: Choose the Bracket That Fits Your Application

- **Wide Horizontal Mounting Bracket:** For masonry walls or hardscape surfaces (Continue to Step 3).
- **Narrow Horizontal Mounting Bracket:** For wood, deck, or thin surfaces (Continue to Step 4).
- **Vertical Mounting Bracket:** For vertical applications (Continue to step 5).

FIG. 1





### INSTALLATION STEPS

#### Step 3: Install the Wide Horizontal Mounting Bracket (FIG. 2)

- Dry-fit the bracket between material layers (e.g., brick, stone, siding) to verify fit and alignment. Mark routing locations for wire and drill holes if necessary.
- (Optional) Mark and Drill Mounting Holes: Use a pencil or marker to mark locations for drilling, and then drill holes in the desired location. Add the anchors into drilled holes for added security on masonry or other hard surfaces.
- Routing Wire:
  - Option 1: Drill Hole**
    1. Use standard masonry drilling procedures to create a hole through the wall.
    2. Pass the luminaire wire through the hole to connect it to the main low voltage supply cable.
  - Option 2: Create a Notch**
    1. Mark the Notch Path: Use a pencil or chalk to outline a shallow channel (approx. 1/4" deep) along the wall where the wire will run.
    2. Cut the notch: Use an angle grinder, oscillating tool, or other appropriate power tool to carve the channel. Always wear safety goggles, gloves, and a dust mask when cutting.
    3. Place the Wire: Lay the luminaire wire into the notch. For added protection, wrap the wire in a waterproof conduit or sealant tape.
    4. Seal the Notch: Cover the channel with exterior-grade caulk, mortar, or weatherproof sealant to protect the wire and restore the wall surface.
- Apply Adhesive and Mount the Bracket: Fully coat the back of the bracket with outdoor mortar or adhesive, then press firmly while twisting slightly for full contact. Tool away any excess adhesive and add capstone. (Continue to step 6)

#### Step 4: Install the Narrow Horizontal Bracket (FIG. 3)

- Position the bracket between material layers to verify fit and alignment. Mark drill holes locations and routing locations for wires.
- Routing Wire
  - Option 1: Drill Hole**
    1. Use a drill bit appropriate for the wall material to create a small hole near the bracket.
    2. Feed the luminaire wire through the hole to connect to the low voltage supply.
  - Option 2: Create a Notch**
    1. Mark the Notch Path: Use a pencil or chalk to outline a shallow channel (approx. 1/4" deep) along the wall where the wire will run.
    2. Cut the notch: Use an angle grinder, oscillating tool, or other appropriate power tool to carve the channel if necessary. Always wear safety goggles, gloves, and a dust mask when cutting.
    3. Secure the Wire: Place the wire into the notch and protect it with conduit or waterproof sealant tape.
- If drilling brackets into wood or similar soft materials skip anchors and secure the brackets directly using self tapping screws. (Continue to step 6)

FIG. 2

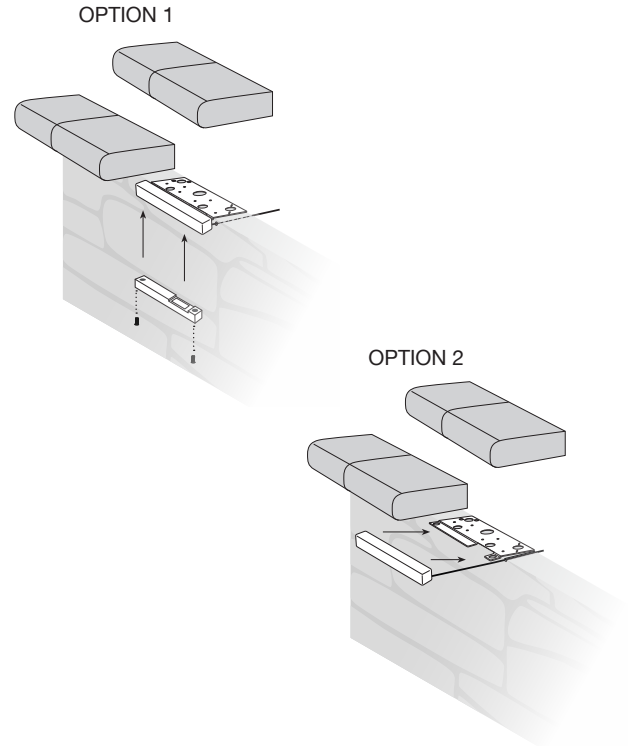
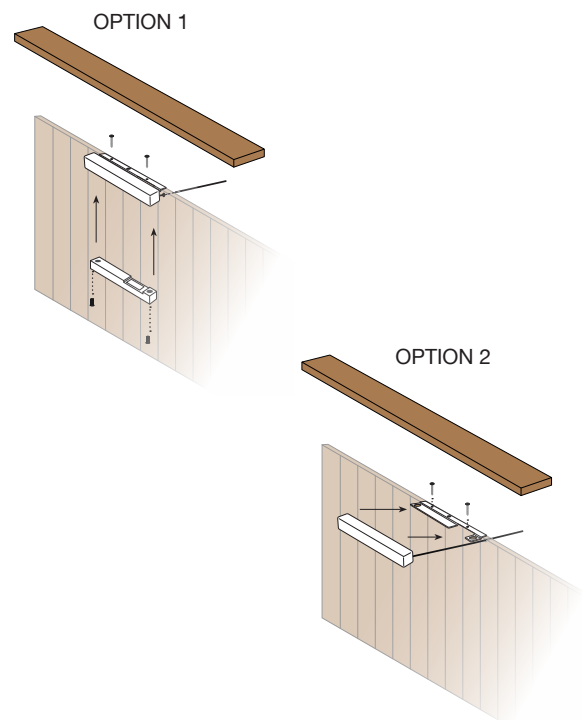


FIG. 3



### INSTALLATION STEPS

#### Step 5: Install the Vertical Mounting Brackets (FIG. 4)

NOTE: VERTICAL MOUNTS ARE NOT INTENDED FOR USE UNDER LEDGES WHERE HOUSING CANNOT BE REMOVED FROM BRACKET

- Position the bracket between material layers to verify fit and alignment. Mark drill holes locations and routing locations for wires.
- Routing Wire:

##### Option 1: Drill Hole

- Use a drill bit appropriate for the wall material to create a small hole near the bracket.
- Feed the luminaire wire through the hole to connect to the low voltage supply.

##### Option 2: Create a Notch

- Mark the Notch Path: Use a pencil or chalk to outline a shallow channel (approx. 1/4" deep) along the wall where the wire will run.
- Cut the notch: Use an angle grinder, oscillating tool, or other appropriate power tool to carve the channel. Always wear safety goggles, gloves, and a dust mask when cutting.
- Secure the Wire: Place the wire into the notch and protect it with conduit or waterproof sealant tape.
- Seal the Notch: Cover with exterior-grade caulk, mortar, or sealant to restore the surface.

- If drilling brackets to wood or similar soft materials, skip anchors and secure the bracket directly using self-tapping screws.

#### Step 6: Installing Module

Bring the module up to the housing, aligning it with the mounting slots. Use a Phillips screwdriver to fasten the module with the two provided screws, locking it into the housing unit.

#### Step 7: Strip and Connect Wires

Separate wires and strip insulation back 1/2". Using direct burial wire nuts or other terminal connectors to secure the connections.

#### Step 8: Power On and Test

Once all connections are secure, turn on the power supply to test operation. If the system does not light up, check direct burial connections and also connections that are made on the transformer. (FIG. 5)

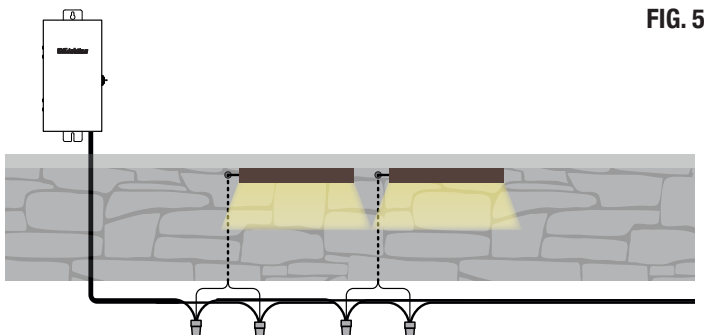
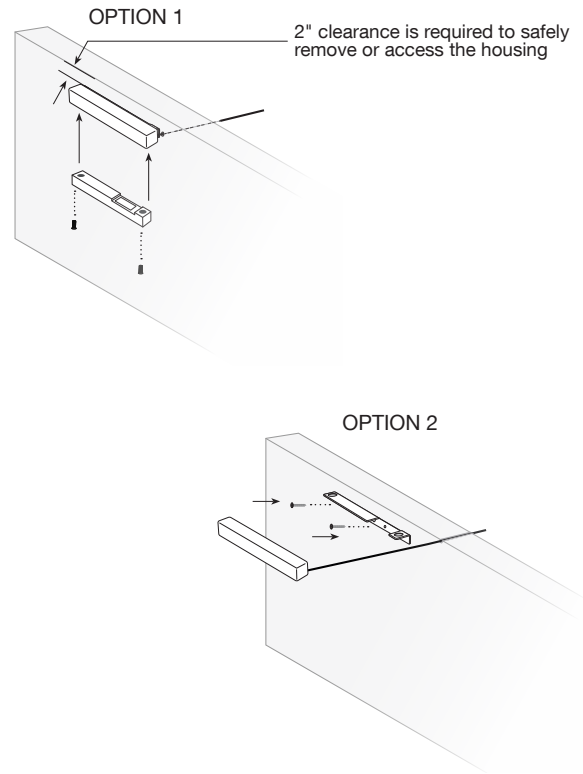


FIG. 5

FIG. 4



### MODULE REPLACEMENT

NOTE: USE ONLY COMPATIBLE MODULES SOLD BY GM LIGHTING

NOTE: MODULES CAN BE REPLACED WITHOUT REMOVAL OF FRAME

- Power Off: Ensure the transformer is turned OFF.
- Remove Old Module:
  - Using a Phillips screwdriver remove two screws securing module to frame.
  - Remove old module
- Install New Module
  - Align new module with the housing
  - Secure the module to the housing by tightening the screws. Do not overtighten.
- Test:
  - Turn power back ON and verify the lamp operates correctly.