IRRADIAR™ LANDSCAPE

INSTALLATION INSTRUCTIONS

IN-GROUND LIGHT

ILS-IG100-XX, ILS-IG110-XX, ILS-IG120-XX, ILS-IG130-XX, ILS-IG141-XX, ILS-IG142-XX, ILS-IG143-XX, ILS-IG145-XX

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 OR SPAS

TURN POWER OFF BEFORE INSTALLING OR SERVICING COMPONENTS.

TOOLS/SUPPLIES NEEDED:

- GM Lighting MR16 Lamp
- Phillips PH 0 Screwdriver
- Flathead Screwdriver
- Direct-burial Connector
- Low Voltage Direct Burial Cable
- Pea Gravel
- 4" IPS/12" length PVC or ABS Pipe Sleeve (by others)

PARTS INCLUDED:

- **ILS-IGXXX-Fixture**

CONSISTS OF:

- **ILS-IGXXX-XX (CVR)**
- **ILS-IGXXX-HSG**
- Faceplate Screws (5)

IMPORTANT SAFETY GUIDE:

- It is recommended to use a qualified electrician for installation or maintenance.
- Use only low-voltage landscape power supplies (≤300W, 25A, 12V-15V).
- Use MR16 lamp (≤8W max).
- Only use wire connectors suitable for outdoor use.
- Low voltage cable is intended for shallow burial - less than 6 inches (15.2 cm).
- Not for use directly in saltwater or chemically treated water.
- IP66 rating for water intrusion. Not for underwater use.

INSTALLATION STEPS

WARNING: This fixture is not submersible. In this situation, it is recommended to surround the fixture with 3–4 inches of pea gravel, and the top of the luminaire must remain above grade so that water cannot accumulate.

Step 1: Unpack and Verify Parts

Remove all components from the packaging and ensure the cover style matches your order, confirming all parts are present. **(FIG 1)**

Step 2: Insert the MR16 Lamp

Insert the GM Lighting Series MR16 lamp (MAX 8W) into the fixture socket by aligning the pins with the slots and pressing down firmly until fully seated. The fixture features an adjustable swivel bracket mechanism that allows precise control over the lamp's direction.

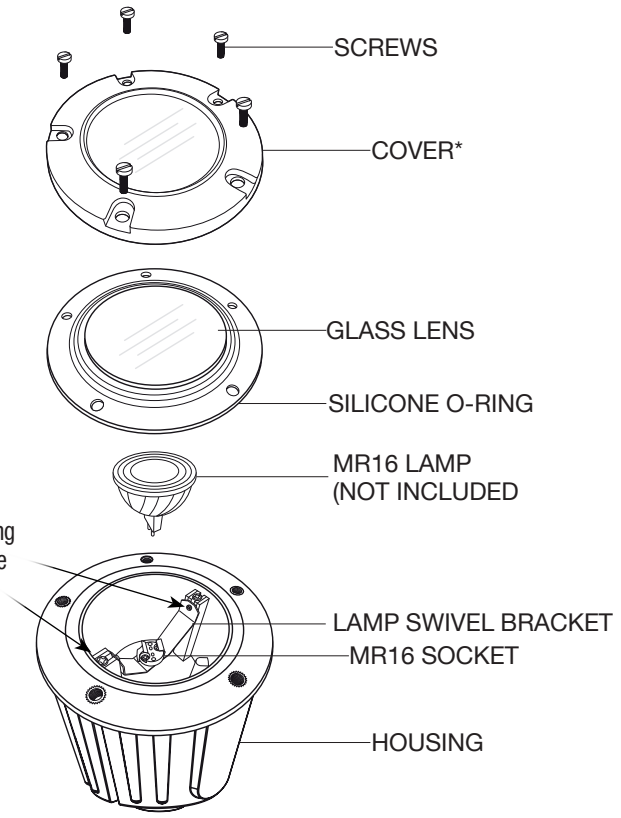
ILS-IG120: Best practice is to tilt the lamp slightly toward the reflector inside the fixture for even diffused light distribution.

ILS-IG141, ILS-IG142, ILS-IG143, ILS-IG145: Recommended orientation is straight upward. These turret fixtures utilize a top-mounted reflector designed to provide optimal light distribution.

ILS-IG100, ILS-IG110, ILS-IG130: Tilt the socket and lamp to direct light toward the desired landscape feature. Adjust as needed to achieve the intended lighting effect. Confirm final lamp orientation before sealing the fixture. Max Tilt: 25°.

Note: The lamp swivel can be tightened using a PH0 Phillips screwdriver to lock the swivel in place and maintain the desired aiming angle.

FIG. 1



NOTE: Cover type varies by model. Refer to the product specifications or packaging to confirm the cover included with your unit.

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INSTALLATION STEPS

Step 3: Sealing the Fixture

Clean all gasket and mating surfaces to ensure a good seal. Place the cover on the housing and start all five cover screws. Tighten each screw gradually until slight resistance is felt. Once all screws are set, complete the tightening in a star pattern to apply even pressure, protect the gasket, and ensure a watertight seal. **(FIG. 2)**

Step 4: Mark and Dig Hole

Determine and mark the fixture location according to the lighting plan, selecting a spot away from areas prone to water pooling or heavy foot traffic. Excavate a hole 5½" wide and 6-8 inches deeper than the fixture housing, ensuring the soil allows for proper drainage if pea gravel is not being used for additional drainage support.

Step 5: (Optional) Prepare Drainage

For added stability and drainage, place 3–4 inches of pea gravel at the bottom of the hole. If using a PVC or ABS sleeve for maintenance access, insert it now and ensure it is level with the surrounding grade. **(FIG. 3)**

Note: Use sleeve in locations when stable positioning is required.

Recommended: 4" IPS/12" Length ABS or PVC Pipe

Step 6: Install Fixture

Place the in-ground light fixture into the hole or sleeve with the top rim approximately ½ inch above grade to prevent water pooling, then backfill around the housing with pea gravel to stabilize and improve drainage. **(FIG. 3)**

Step 7: Bury the Low Voltage Cable

Run direct-burial cable from the transformer or power source to the fixture location, leaving about 12 inches of slack to allow for wire handling and future repositioning of the fixture, and trim any additional excess before making connections.

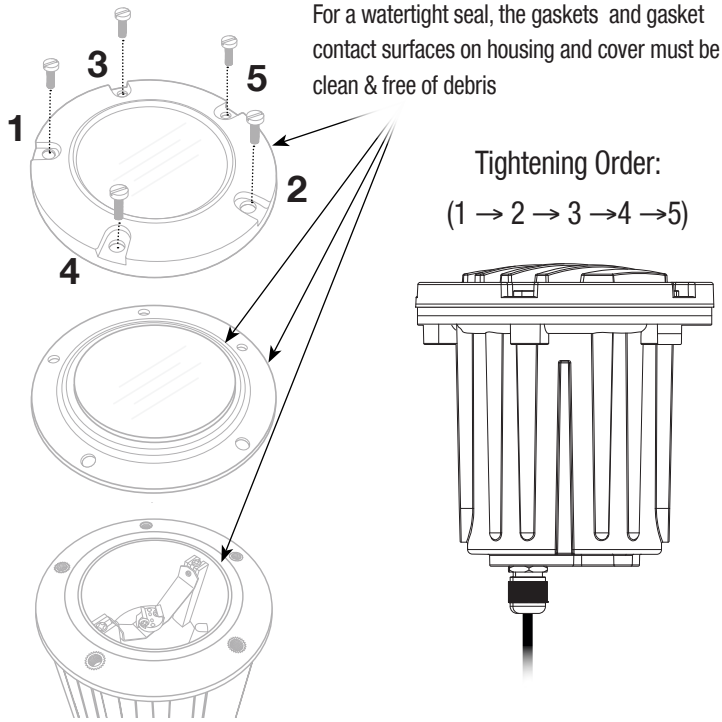
Step 8: Strip and Connect Wires

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

Step 9: Power On and Test Operation

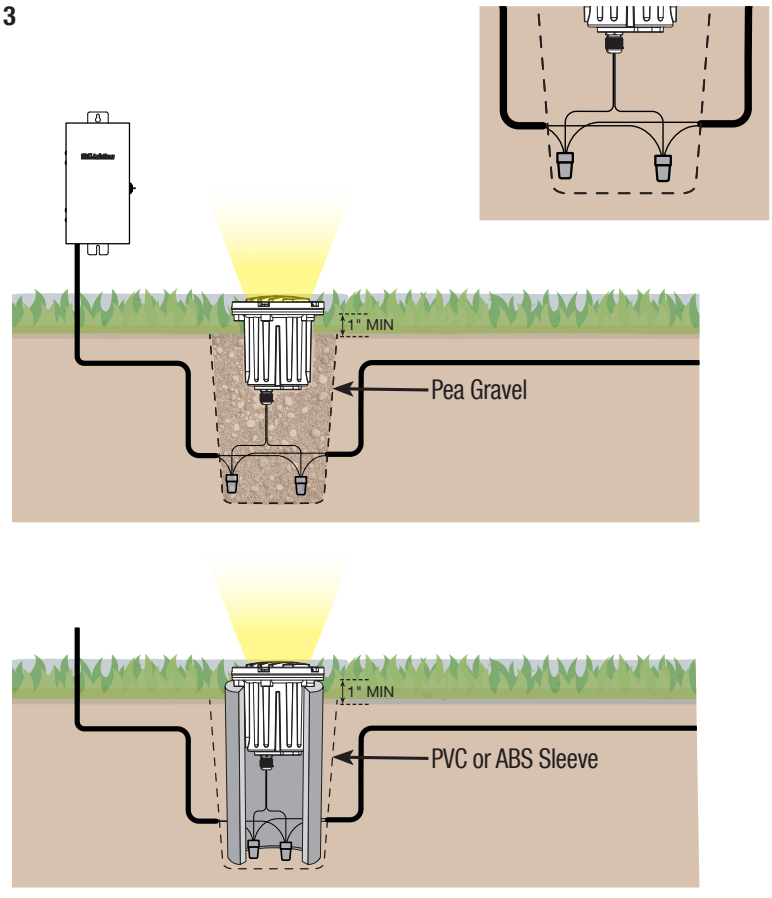
Once all connections are secure, turn on the power supply to test operation. When the system lights up adjust fixture positioning to best control light beam. If not then check connections and transformers. **(FIG. 3)**

FIG. 2



For a watertight seal, the gaskets and gasket contact surfaces on housing and cover must be clean & free of debris

FIG. 3



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