

To install the **Southwire Topaz (Designers Edge) L-1701 100W Metal Halide Dusk-to-Dawn Security Light**, follow these standard outdoor electrical fixture installation steps.

1. Preparation and Safety

- **Turn off the power** at the main circuit breaker before starting any electrical work.
- **Verify the power is off** at the installation location using a reliable voltage tester.
- **Check the hardware** to ensure you have the required mounting bolts and the included 100W metal halide bulb.

2. Mounting the Fixture

The L-1701 housing can be mounted directly to a flat wall surface or attached via an optional extension arm:

- **Direct Wall Mounting (Without Arm):** Secure the octagon-shaped bronze housing directly to the structure using three robust mounting bolts through the integrated fixture brackets.
- **Extension Pole/Arm Mounting:** Attach the housing to the optional mounting arm first, then secure the arm to the wall structure using two bolts.

3. Electrical Wiring

Feed your supply wires into the moisture-tight terminal compartment or junction box area:

- **Connect the ground wire:** Attach the incoming supply ground wire (bare copper or green) to the green ground screw or green wire on the fixture housing.
- **Connect the neutral wire:** Strip and secure the white supply wire to the white wire from the fixture using a waterproof wire nut.
- **Connect the hot wire:** Strip and secure the black supply line to the black incoming power wire on the photocell/ballast assembly using a waterproof wire nut.

4. Final Assembly

- **Attach the reflector:** Mount the 10-inch acrylic reflector to the bottom of the housing base, ensuring the thumbscrews or locking collar match the layout tightly.
- **Install the bulb:** Thread the included 100W metal halide bulb cleanly into the socket base. Do not overtighten.

- **Position the photocell:** Ensure the built-in dusk-to-dawn photocell lens points clear of any immediate secondary light sources to prevent local blinking.

5. Testing the Light

- **Turn the main breaker back on.**
- **Test during daylight:** Cover the photocell completely with a piece of dark tape or your hand. The metal halide lamp should fire up after a short delay. *Note: Metal halide bulbs take a few minutes to reach full brightness.*
- **Remove the cover:** Ensure the light turns itself off automatically when exposed to clear daylight.