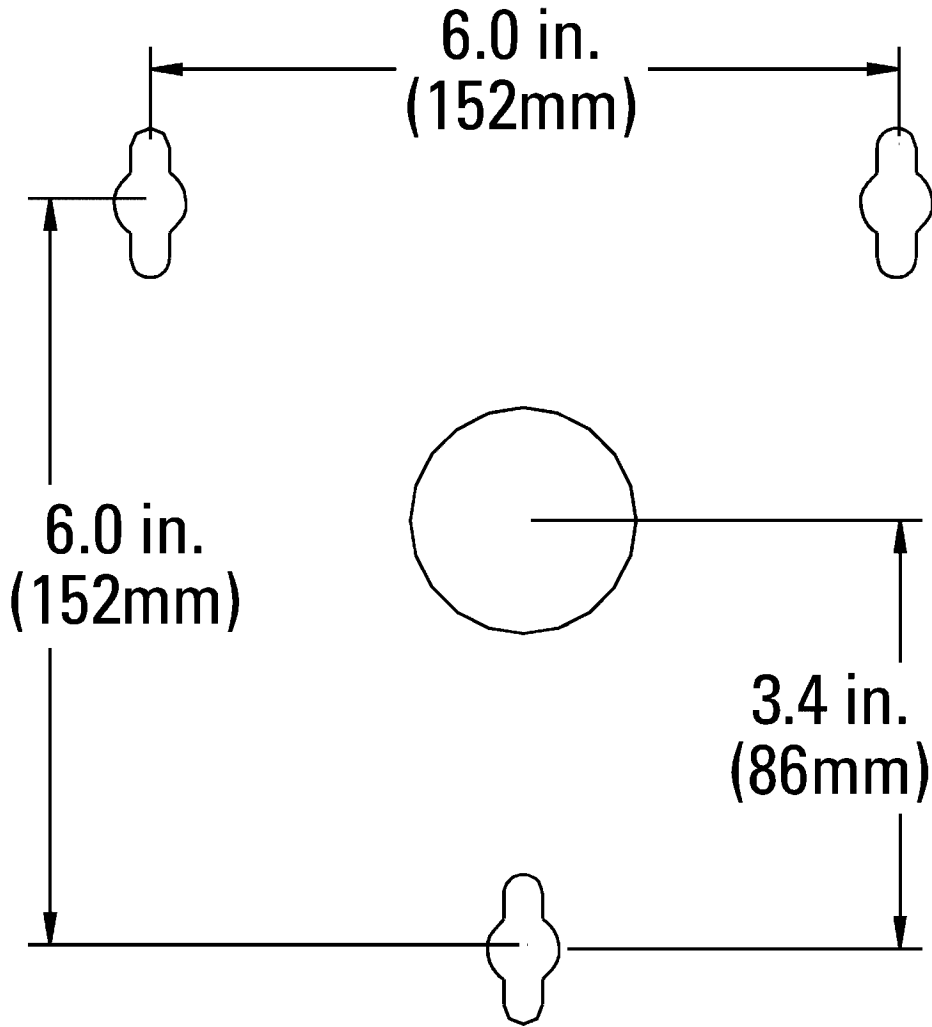


# MOUNTING DIAGRAM



GE Lighting Systems, Inc.  
 3010 Spartanburg Highway  
 Hendersonville, NC 28793  
 (828) 693-2000  
 www.gelighting.com

35-201578-4C (GELS 7/01)



GE Lighting Systems, Inc.

Hendersonville, NC 28793-4506

## READ THOROUGHLY BEFORE INSTALLING

**WARNING**

Risk of electric shock

- Turn power off before servicing
- see instructions

**WARNING**

Risk of fire

- Use supply wire specified on nameplate

### GENERAL

This luminaire is designed for outdoor lighting applications, and should not be used in areas of limited ventilation, or in high ambient temperature enclosures. For optimum performance, it should be installed and maintained according to the following recommendations.

### UNPACKING

This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm.

### INSTALLATION

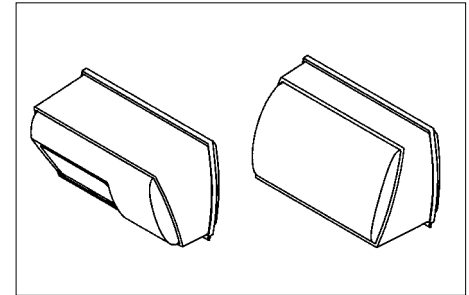
The front cover must be removed by releasing the two latches (or loosening the two optional security screws), open door approximately 90 degrees and slide off the hinge pins (see Figure 1). Be sure to disconnect the switched quartz safety light unit and photocontrol, if so equipped, from the SnapDrive™ electrical system. Removal of the front cover allows access for mounting and wiring. Remove the reflector by loosening the two mounting screws and slide through keyholes. SnapDrive™ electrical system may be removed for ease of handling. To remove, loosen and discard shipping screw (if provided), then depress the spring clip downward, rotate SnapDrive upward and lift off of the hinge.

A gasket is provided on the back of the unit to provide water and dust protection when mounting to smooth surfaces. To maintain IP65 dust and water protection of the unit on textured surfaces (block, brick, etc), caulk the back of housing with generic non-hardening sealant (not provided) across the top, bottom and both sides.

™ Trademark of General Electric Company

*These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to General Electric Company.*

GEH-5803A  
**INSTRUCTIONS**  
**Criterion™ Wall Pack**  
**250- 400 Watt**



### A. MOUNTING

**CAUTION**

Unit will fall if not installed properly

- Follow installation instructions

**Surface Mounting:** The luminaire can be mounted over a suitable recessed mounted outlet box. The back plate may be attached to the wall with three 3/8-in. lag bolts, approximately 1-in. (25mm) long (not provided) through the keyhole slots provided (see figure 2). Wire the unit (see Wiring). Re-install reflector and replace cover onto hinge. Reconnect switched quartz safety light and photocontrol (if so equipped) to SnapDrive™. Install lamp (see LAMP INSTALLATION) and re-attach the front cover to hinge pins and secure latches or security screws.

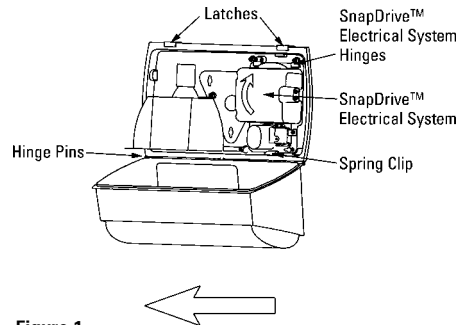


Figure 1

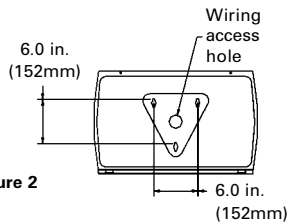


Figure 2

#### Through-Feed Conduit (Optional):

Note: Some units may not allow this mounting and may require special high temperature cable. See labels on back plate for instruction.

Units so equipped will have tapped holes for conduit to be mounted to the back plate. Keyholes are provided to permit mounting of the back plate on vertical surfaces with three 1/4-in. lag bolts, approximately 1-in. (25mm) long (not provided). Secure the conduit to the wall according to applicable code requirements. Wire the unit (see Wiring). Re-install the reflector and SnapDrive™ electrical system and reconnect the switched quartz safety light unit and photocontrol (if so equipped).

Install lamp (see LAMP INSTALLATION) and re-attach the front cover to hinge and secure latches or security screws.

#### Inverted Mounting (Optional):

Units must be ordered from factory for inverted mounted for indirect lighting applications. Field modification is not recommended. Units should be configured with the SnapDrive™ oriented with the ballast portion on top and the capacitor, igniter and jumpers oriented to the bottom. Other accessories such as photo-controls, switched quartz safety light and fusing have specific positions and/or limitations on operation. Verify SnapDrive™ is in this orientation. (See Figure 3).

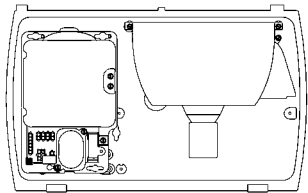


Figure 3

## B. WIRING

Make all electrical connections in accordance with all applicable code requirements (National Electrical Code, Canadian Electrical Code and applicable local Codes).

Verify that supply voltage is correct by comparing it to nameplate.

Customer supply wiring entering from a junction box through the center hole in the back plate shall be connected to the wire harness leads provided. Connections shall be returned to the junction box.

Customer supply wiring entering from external conduit must be routed through the wiring clips and maintain half inch minimum spacing from reflector (see Figure 4). All connections must be made behind the SnapDrive™ unit.

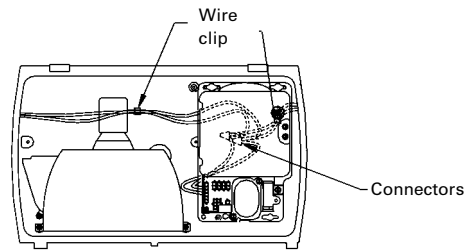


Figure 4

The SnapDrive™ is equipped with a **multi-volt** ballast. Ballast has been wired to the voltage indicated on the nameplate. If another voltage is desired, place the voltage selection jumper onto the appropriate voltage position as indicated on the wiring diagram. See Connection diagram affixed to top of SnapDrive Electrical System for voltage jumper configuration instructions. Optional features such as fusing, safety lights and photocontrols are voltage specific. **Do not change jumper positions if fixture is equipped with these features.** This will damage or destroy these optional parts and will void applicable safety listing (UL, CUL, CSA, etc.) of the fixture.

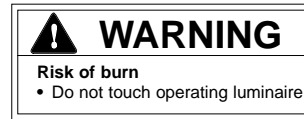
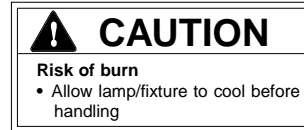
The SnapDrive™ is equipped with a **multi-watt** ballast. Ballast and jumper have been configured as indicated on the nameplate. If another wattage is desired, place the wattage selection jumper onto the appropriate position as indicated on the wiring diagram. See Connection diagram affixed to top of SnapDrive Electrical System for wattage jumper configuration instructions. **Do not change the wattage jumper position if fixture is equipped with fusing.** Fuses have been sized to the wattage that was ordered. Changing wattage may damage the fuses and will void the UL listing of the fixture.

To complete installation refer to MOUNTING.

## C. AIMING

Units equipped with the forward throw reflector can be field adjusted to fine-tune the illumination on-site. Adjust the aiming by loosening the two screws holding the reflector in place, rotate the reflector to the desired setting and re-tighten screws. Reflector is marked with +/- 5 degree increments.

## LAMP INSTALLATION



Use only lamps specified on nameplate. Observe lamp manufacturer's recommendations and restrictions on lamp operation, particularly ballast type, burning position, etc.

**Lamp Tightness-Mogul Base Lamp:** The lamp should be securely inserted to the NEMA-EEI specified torque of 35 inch-pounds (3.95 N·m), which is best achieved by very firm tightening sufficient to fully depress and load the center contact of the socket.

If unit has a safety light option, insert quartz lamp in its socket making sure to wipe any fingerprints off lamp.

Note: Use of lubricants on lamp base of socket can cause rapid lamp failure and voids fixture warranty.

## MAINTENANCE AND CLEANING

It will occasionally be necessary to clean the outside of the front glass to maintain light levels. Frequency of cleaning will depend on ambient dirt level and minimum light level which is acceptable to the user. The front glass should be washed with a solution of warm water and any mild, nonabrasive household detergent, rinsed with clean water and wiped dry. Should the optical assembly become dirty on the inside, wipe the reflector and clean the refractor in the above manner.

The light output of a luminaire is dependent on the age of the lamp. In applications where the light level is critical, it may be desirable to replace lamps before they burn out. The lamp manufacturer can provide data showing how the lamp light output decreases with use.