



# Framed Mirror With Built-in Lights Installation Instructions

NOTE: This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

## TOOLS AND SUPPLIES NEEDED

- ◆ Hammer
- ◆ Level
- ◆ Phillips Screwdriver
- ◆ Tape Measure/Yardstick
- ◆ Powered Drill and 3/32" and 3/16" Drill Bits
- ◆ 1 3/4" screws
- ◆ 3 1/8" screws
- ◆ 2" washer head screws
- ◆ Assistance by a second person may be needed

## PREPARATION

Remove framed mirror and cleat from carton and remove bag of hardware stapled to back of framed mirror.

### FIRST

#### Determine Framed Mirror Location

Determine height location by considering alignment of your framed mirror's top or bottom with the top or bottom of other cabinets near it and by holding cabinet up to wall to determine height needed for individuals that will be using the mirror. Using a pencil mark top of framed mirror crown assembly at both ends. (Figure 1) Lower your framed mirror. Using a level lightly draw a horizontal line connecting these two marks. (Figure 2)

Figure 1

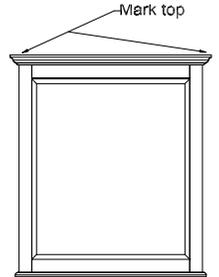
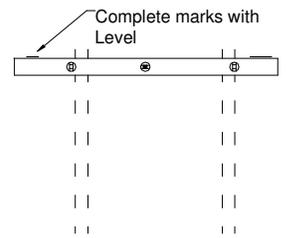


Figure 2



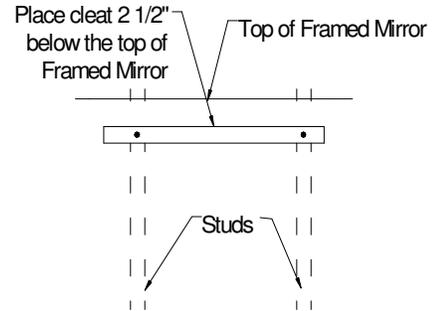
### SECOND

#### Install Mounting Cleat on Wall

**Note:** Framed Mirror should be attached to at least one (1) stud.

Measuring 2 1/2" down from the first line and draw another parallel line stopping 3" short on either end. Line up the top edge of the cleat provided with this second line and using the 1 3/4" screws, securely attach the cleat to the wall. (Figure 3) Note: Pre-drilling is recommended to avoid causing splits in the cleat.

Figure 3



### THIRD

#### Mount Framed Mirror to Cleat

Lift and position framed mirror onto cleat so that the cleat is just under the top of the frame. (Figure 4) Screw down through the top of the framed mirror into the top of the cleat using 1 3/4" screws provided through the back hole. (Figure 5 #1). Repeat this on other side. **If using close to ceiling installation, insert retaining pins through pre-drilled holes in top of cabinet before mounting on cleat. Push through top hole of retaining bracket stopping short of the bottom hole in retaining bracket.**

Figure 4



Figure 5



### FOURTH

#### Mount Light Front to Framed Mirror

Refer to Page 2 for lighting instructions and light front attachment.

- Notes:**
- 1 Masonry walls may require special anchors to be set using a masonry drill bit.
  - 2 To drill ceramic tile, first score the tile surface **gently** with a hammer and center punch or nail. Use a tungsten-carbide masonry drill only. To avoid breaking the tile, do not force the drill—allow it to cut through.



## Framed Mirror With Built-in Lights Installation Instructions

### WIRING INSTALLATION STEPS

1. Disconnect power at the main fuse box before installing the fixture.
2. Remove light assembly and globes from packaging.
3. For circuit diagram see Figure 1. Place white fixture wire(s) evenly against white supply wire. Screw on wire nut connector. Pull gently on wire nut. If nut comes off - repeat above procedure. Wire nut should completely cover any exposed wire (see Figure 2).
4. Connect the black fixture wire(s) to black supply wire in the same manner.
5. Connect the green fixture ground wire to supply ground wire (if available) with wire nut . If a supply ground wire is not available, attach green fixture ground wire to electrical box with ground screw and cupped washer. (These items are not supplied and would need to be purchased separately.)  
Continue for recommended installation instructions. **For close to ceiling light front installation instructions proceed to page 3.**
6. Holding light assembly perpendicular to cabinet, slowly insert into opening.
7. Line up and center the light front in the opening.
8. Securely fasten with screws already pre-inserted and located on top of your cabinet. **Failure to do so could result in light front coming off and causing damage or injury.**
9. Remove rings on porcelain sockets, attach globes onto sockets using these rings.
10. Install light bulbs into sockets. Do not over-tighten light bulbs.
11. Reconnect electrical power at the main breaker or fuse box.

### CAUTION!

The following rules must be adhered to when installing light fixtures. Installation can be made easier if two people are involved. If you have any doubts about how to install a light fixture or if it fails to work properly, contact a local licensed electrician.

**Failure to comply with these requirements could lead to an electrical shock or fire, which cause injury or fatality.**

Make Certain:

1. Power at the main fuse box is disconnected before installing the fixture.
2. The fixture ground wire (bare or green insulated wire) is not connected to current carrying supply wires. (Some fixtures may or may not have a ground wire.)
3. No bare wires are exposed outside the wire connectors when joining current carrying wires.
4. The insulation on any of the wires has not been damaged during installation.
5. No rough or sharp edges are in contact with any of the wires.
6. Fixture wires are connected to the proper house supply wires. If you have any doubts about which house supply wire is white and which is black, contact a licensed electrician.
7. Light bulbs with wattage no greater than those specified, on the light socket, for the fixture are used.
8. Power is off when installing light bulb into the fixture.

### Installation Notes

1. If for any reason the installer has to cut the wire supplied, it is recommended that the wire be stripped no more than 1/2".

**REMEMBER** that a fuse or circuit breaker protects wires from becoming overheated. Overheated wires create an overload, and the fuse will blow or circuit breaker will trip. Before replacing the fuse or resetting the circuit breaker, locate the cause of the overload which is usually too many appliances on the same line or a short circuit.

**California Residents:** This fixture is **not** a high efficacy luminaire and therefore **must** be controlled by an approved occupancy sensor. This is true whether it's installed in a bathroom or with a sink used for personal hygiene in another room. See California Code of Regulations Title 24 Part 6 to ensure full compliance.



## Close to Ceiling Light Front Installation Instructions

1. Holding light front assembly perpendicular to cabinet, slowly insert into opening.



2. Line up and center light front in opening.
3. Push down on retaining pins until they stop.



4. Pull out on light front to ensure it's secure.
  - ◆ If not secure slightly move light front until retaining pins can be inserted further, locking light front in place.
  - ◆ If retaining pins are visible above crown molding use pliers to bend pins over.
5. Remove rings on porcelain sockets, attach globes onto sockets using these rings.
6. Install light bulbs into sockets. Do not over-tighten light bulbs.
7. Reconnect electrical power at the main breaker or fuse box.