

255 Wood Frame Wall Mounted Light Installation

Applies to Models:

255 (-006, -026)

Special Tools:

Torque wrench

Language of origin: English

Note

A full-size, wall template (P/N 003-2433-00) is available upon request.

Step 1: Determine mounting location.

A) Use the weight / dimension information shown on this page to determine the mounting location.

Note: Power source **must** be within 12 ft. (3.6 m) of mounting location.

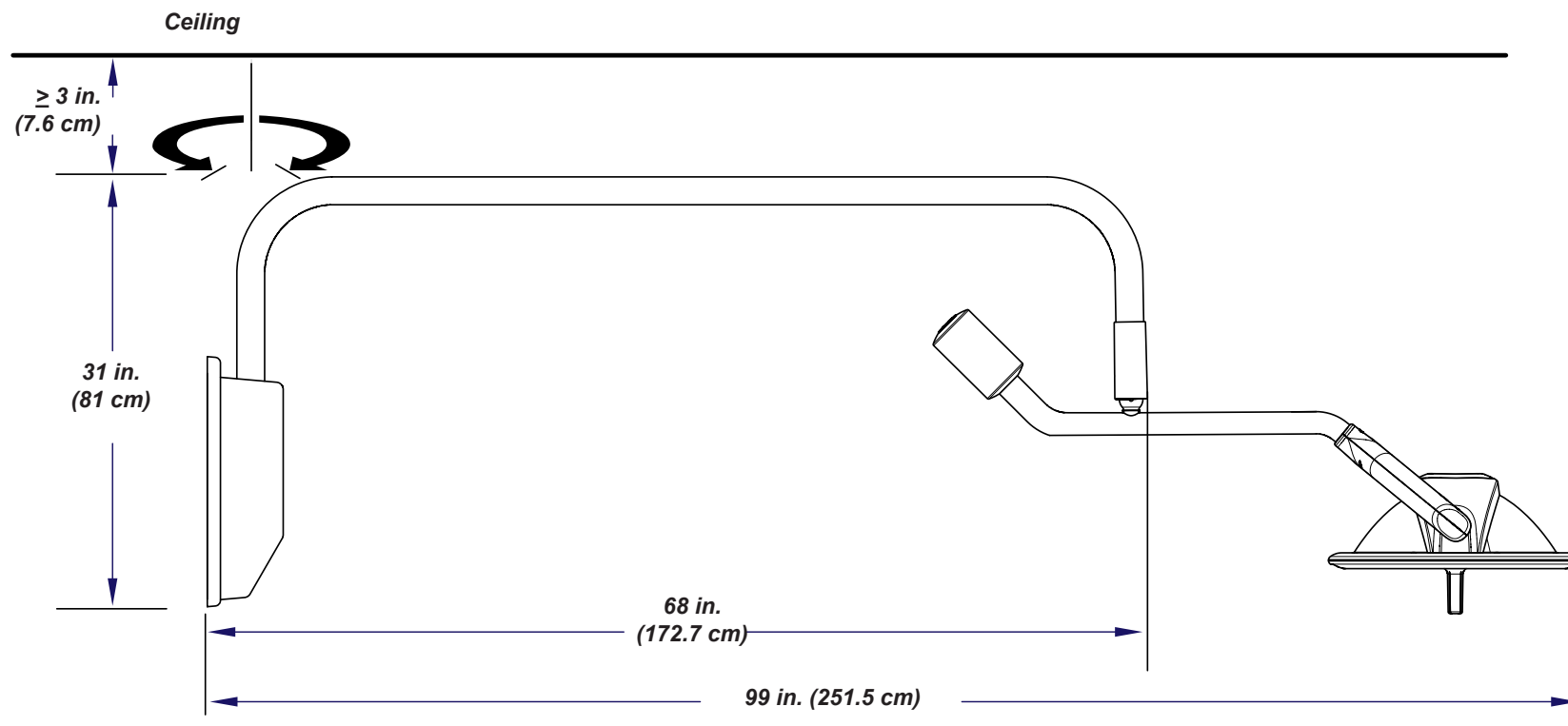
NOTE:

The wall structure must be capable of supporting the light system.

Weight (max.):.....85 lb (38.6 kg)

Torque (max.):.....265 ft-lb (359 Nm)

In addition to supporting the weights listed, the wall structure must be able to support the light without deflection. To prevent the suspension arm from drifting, the assembly must deflect no more than 1/16" (1.6 mm) over a 12" (30.5 cm) distance.

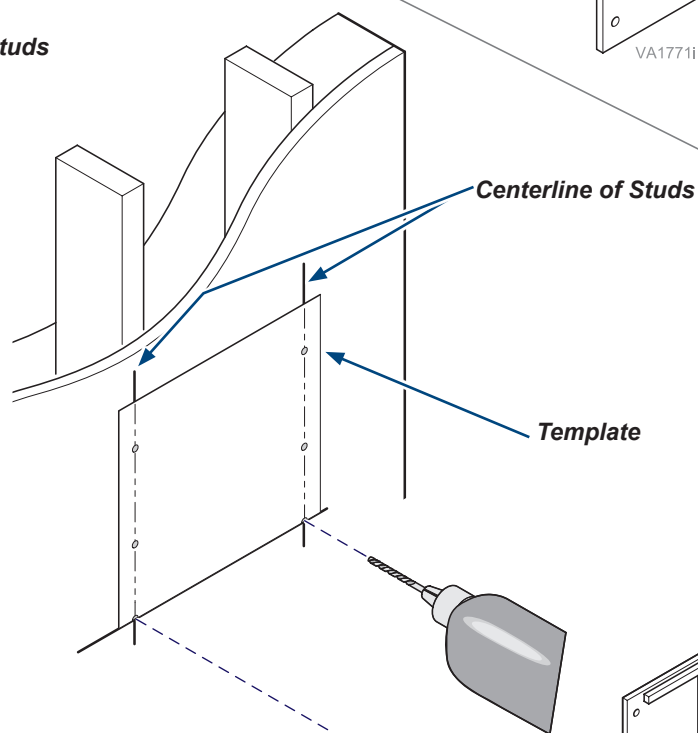
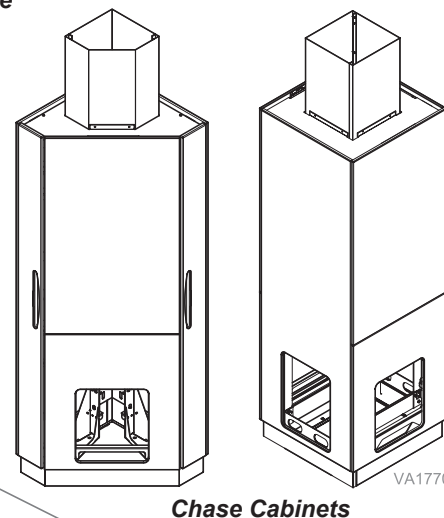
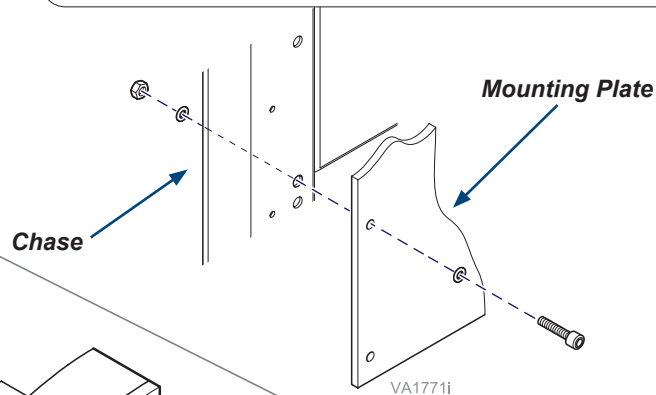
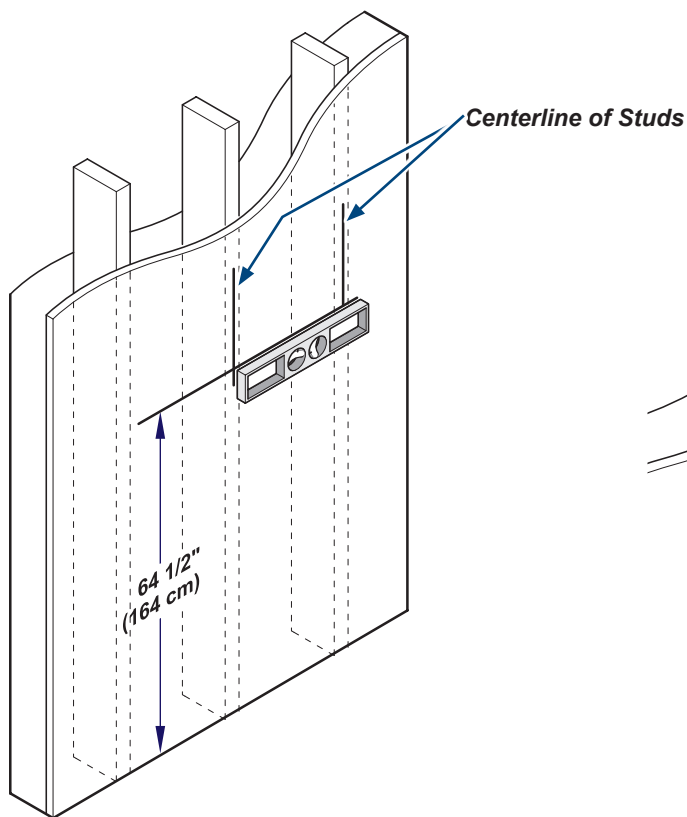


Step 2: Position the template on the wall.

- A) Draw a **level line** on the wall at 64 1/2" (163.8 cm) from the floor.
(Be sure the line spans two wall studs)
- B) Locate / mark the center of the two wall studs.
- C) Align the bottom of the template with the line drawn in Step 2 (A).
- D) Align the centerlines of the studs with the lines marked on the template.

Note

Refer to chase installation manual for mounting hole locations.
To install light, use hardware included with chase cabinet. (3/8" bolts, washers and nuts)

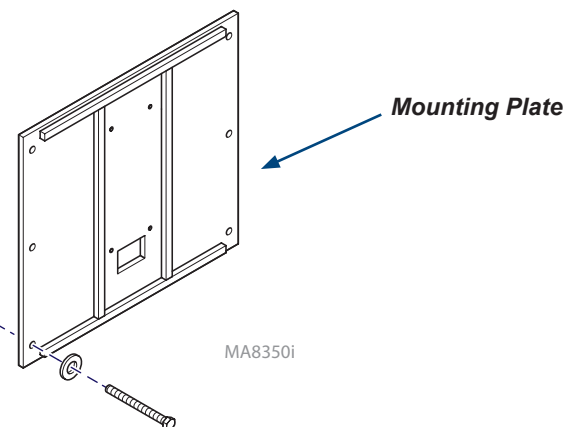


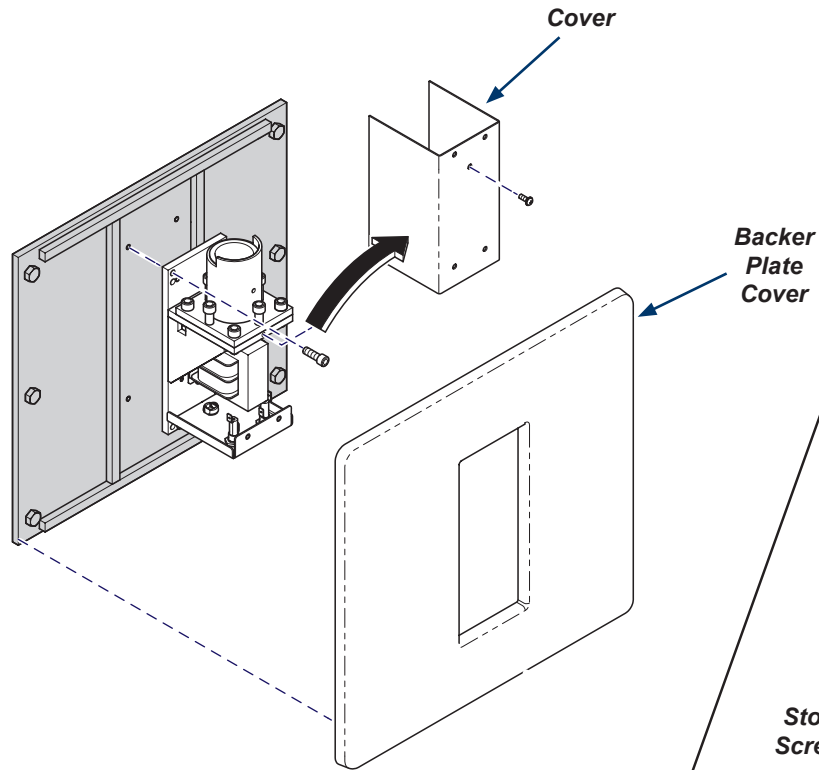
Note

A full-size, wall template (P/N 003-2433-00) is available upon request.

Step 3: Secure mounting plate to wall.

- A) Using a 1/4" drill bit, drill six pilot holes using the template as a guide.
- B) Secure mounting plate to wall with six lag bolts / washers (provided).





Step 4: Install fixed arm.

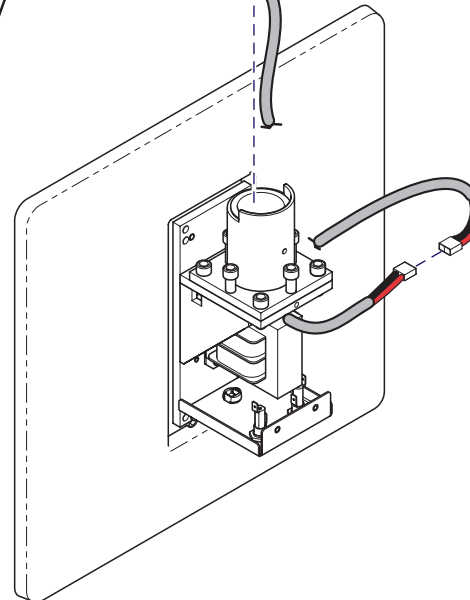
- Install stop screw into fixed arm.
- Apply Lubriplate (supplied) to fixed arm as shown.
- Carefully route the wires down thru bearing while inserting fixed arm into mounting bracket.
- Connect two fixed arm wires to matching color wires from power supply.

Stop
Screw

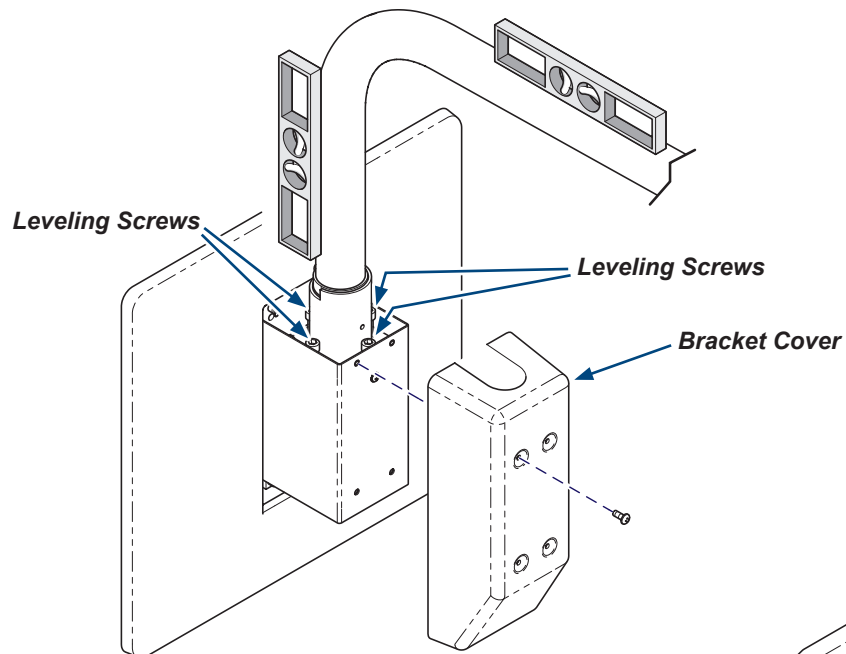
Lubriplate

Step 5: Install mounting bracket.

- Remove cover.
- Align mounting bracket with holes in backer plate, then secure with four bolts.
- Install backer plate cover.



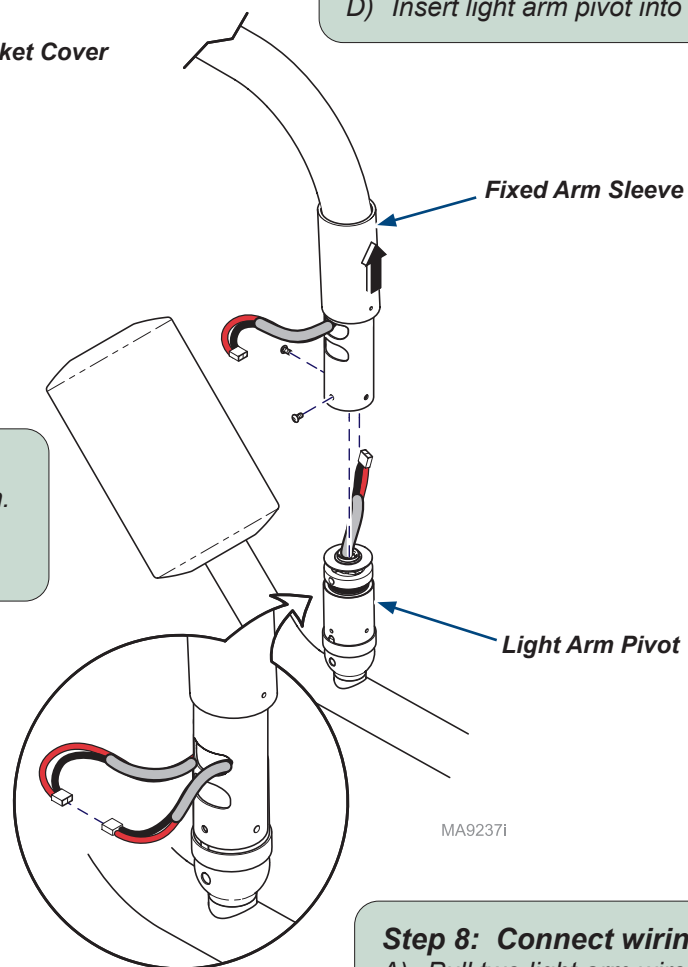
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Step 6: Install cover.

Step 7: Install light arm.

- Slide fixed arm sleeve onto fixed arm as shown.
- Pull two fixed arm wires out thru top access hole.
- Carefully feed light arm wires up into fixed arm.
- Insert light arm pivot into fixed arm, then secure with two screws.



Step 9: Level fixed arm / install bracket cover.

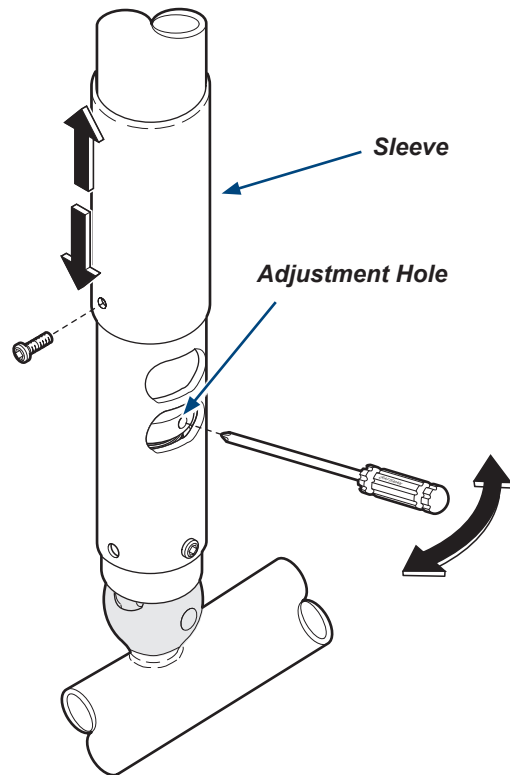
- Check the vertical and horizontal level of the fixed arm.
- Adjust four leveling screws as necessary.
- Secure bracket cover with four screws.

Step 8: Connect wiring.

- Pull two light arm wires out thru access hole.
- Connect fixed arm wires to matching color wires from light arm.
- Tuck wires back into access hole.

Step 10: Release ball pivot tension.

- A) Slide sleeve up to expose opening.
- B) Insert screwdriver into adjustment hole.
- C) Move the screwdriver LEFT until tension is fully released.



To adjust ball pivot tension...

- A) Insert screwdriver into adjustment hole.
- B) Move the screwdriver LEFT / RIGHT to adjust tension setting (LEFT: **decreases** tension / RIGHT: **increases** tension)
- C) Remove screwdriver, and check for desired tension. Repeat until desired tension is achieved.
- D) Slide sleeve down, then install screw.



Equipment Alert

Light should move freely, and should not drift when released.
If drifting occurs, perform appropriate tension adjustment procedure.

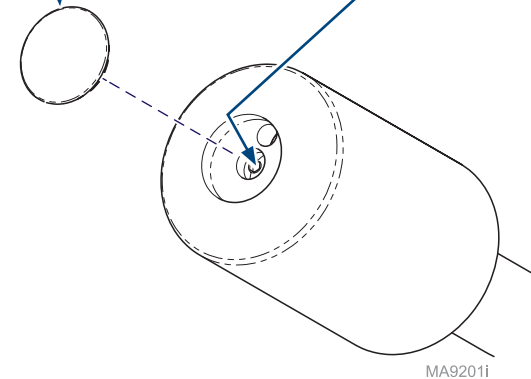
Step 11: Connect power.

- A) Connect power cord.
- B) Turn power button ON (⏻) and verify operation.

Note: Light should illuminate. If light does not illuminate, check wire connections.

Housing Cap

Adjustment Screw



To adjust cross tube counterbalance...

- A) Release tension.
- B) Remove cap from counterbalance.
- C) Loosen / tighten the adjustment screw until the cross tube balances in horizontal position.
- D) Install cap onto counterbalance.
- E) Set tension.

Note: Turning the adjustment screw clockwise will lower the lighthead.
Turning the adjustment screw counterclockwise will raise the lighthead.

**Caution**

- Carefully handle parts near membranes and wire harnesses.
- Allow the light to cool before removing.
- Carefully move the light away from the exam site to prevent contaminants from falling into the area.

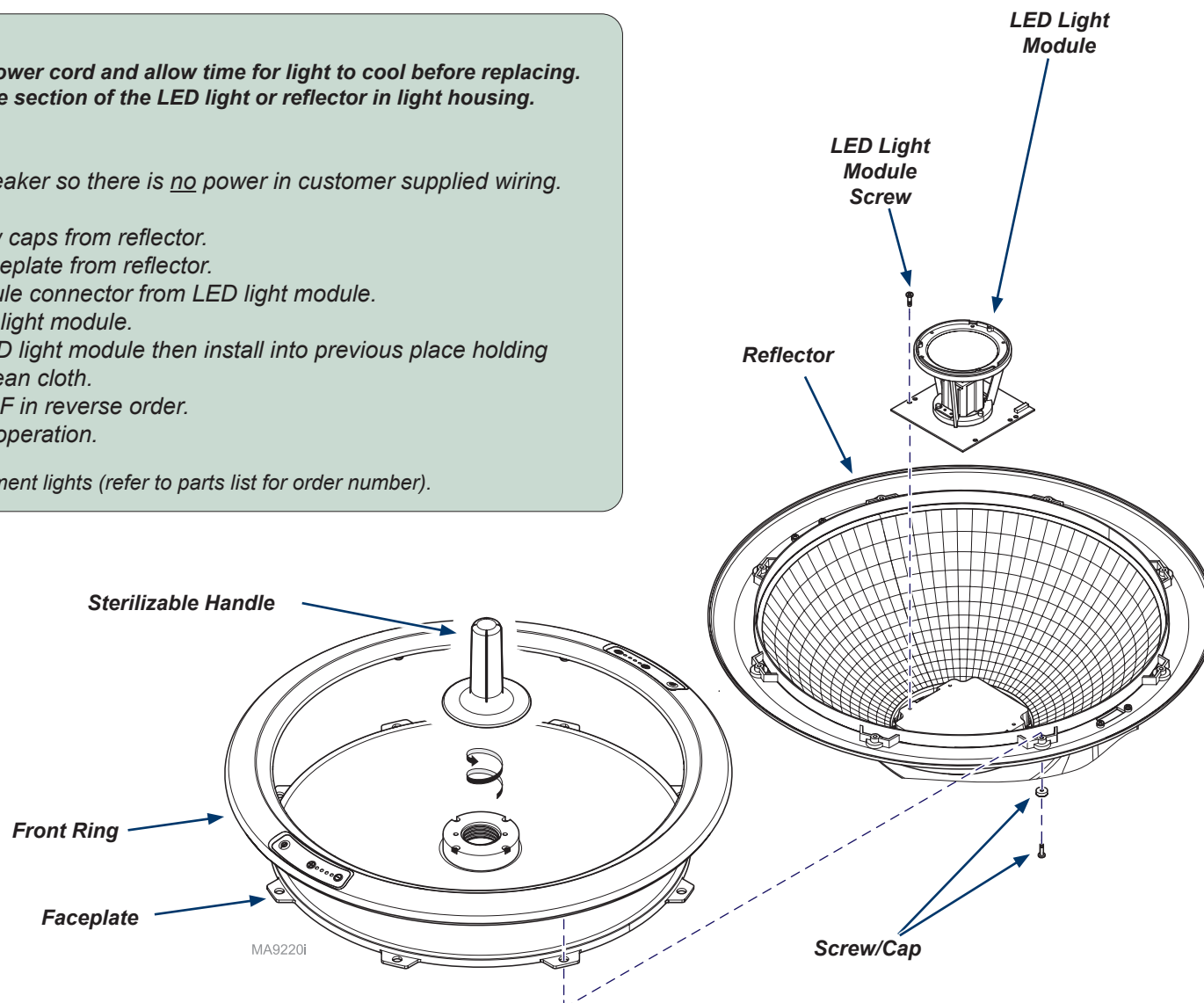
**Warning**

Always disconnect power cord and allow time for light to cool before replacing.
Do not touch the cone section of the LED light or reflector in light housing.

To install light...

- Turn OFF facility power breaker so there is no power in customer supplied wiring.
- Turn light switch OFF (⏻).
- Remove screws and screw caps from reflector.
- Separate front ring and faceplate from reflector.
- Disconnect LED light module connector from LED light module.
- Remove screws from LED light module.
- Peel film paper off new LED light module then install into previous place holding LED light module with a clean cloth.
- Complete steps B through F in reverse order.
- Connect power and verify operation.

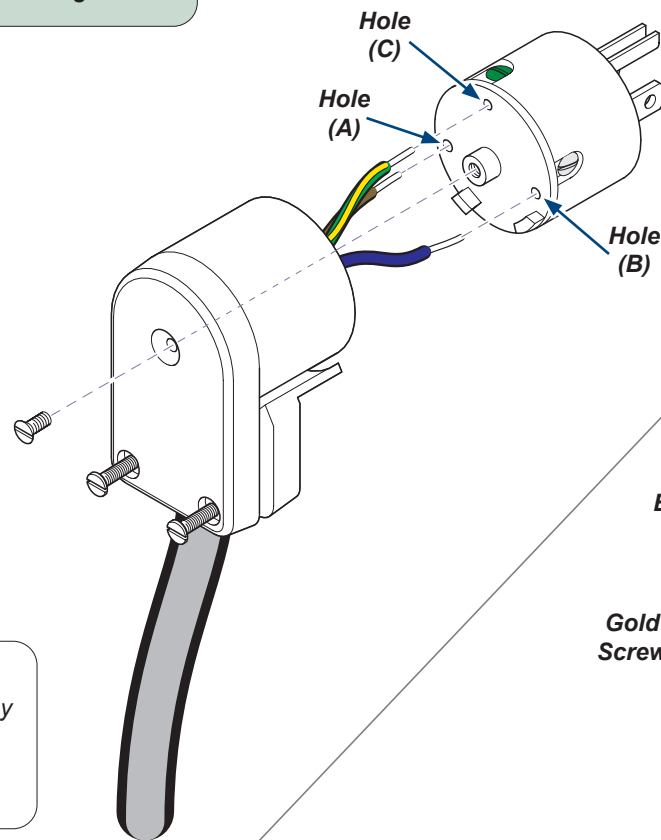
* NOTE: Use only factory replacement lights (refer to parts list for order number).



Installing Plug to Power Cord

Step 1:

- A) Remove screw as shown and three pronged portion of plug.
- B) Loosen two screws as shown and insert power cord into housing.



Note

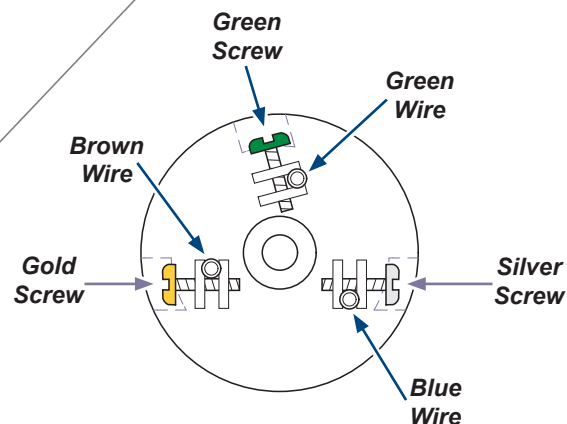
The three pronged portion of plug may be installed in four different positions. Be sure two tabs on pronged portion align with notches in housing.

Step 3:

- A) Rotate three pronged portion of plug to desired position in housing and secure with screw.
- B) Tighten two screws so that power cord is secured. Do not overtighten screws.

Step 2:

- A) Insert BROWN wire from power cord into hole (A) and tighten GOLD screw.
- B) Insert BLUE wire from power cord into hole (B) and tighten SILVER screw.
- C) Insert GREEN wire from power cord into hole (C) and tighten GREEN screw.



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- Step 4: Plug power cord into properly rated receptacle and check for proper operation.

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