ELECTRIC MIRROR®

INSTALLATION GUIDE

for Series 2, 2.3 & 3 Backlit Mirrors

Pictured: Integrity™ Lighted Vanity Mirror

CONGRATULATIONS

You've purchased one of the finest lighted mirrors available from the global leader in lighted mirror technology.

Your new lighted mirror has been designed to provide you with many years of illumination, reflection, and enjoyment. Installation is quick and easy, but please read these instructions thoroughly before beginning the process.

If you have any questions or need help along the way, please contact our Customer Service team for assistance.

NEED HELP?

Call: 425.776.4946
Email: support@electricmirror.com
Website: electricmirror.com

To confirm the part number for your product, locate the product label on the back of the mirror:

APPLICABLE MODELS

These installation instructions apply to all of the Series 2, 2.3 and 3 Lighted Mirrors listed below, including Vanity and Wardrobe versions with a part number prefix of 2, 2.3, or 3 (indicated on the part number label located on the back of the mirror):

- **Aria** (ARI2, ARI2.3 or ARI3)
- **Bela** (BEL2, ARI2.3 or BEL3)
- **Eternity** (ETE2 or ETE3)
- **Eyla** (EYL2 or EYL3)
- **Fusion** (FUS2, FUS2.3 or FUS3)
- **Integrity** (INT2, INT2.3 or INT3)
- **Luna** (LUN2 or LUN3)
- **Momentum** (MOM2, MOM2.3 or MOM3)
- **Novo** (NOV2 or NOV3)
- **Novo-4** (NOV42 or NOV43)
- **Reflection** (REF2, REF2.3 or REF3)
- **Saratoga** (SAR2 or SAR3)
- **Serenity** (SER2 or SER3)
- **Silhouette** (SIL2 or SIL3)
- **Trinity** (TRI2 or TRI3)

GETTING STARTED

1. REVIEW IMPORTANT SAFETY INSTRUCTIONS

Use a qualified electrician.

- Your lighted mirror must be installed by a qualified technician or licensed electrician.
- These instructions assume an electrical connection has already been brought to the mirror location in the wall.
- All electrical components must be serviced by a qualified electrician. The power source must be disconnected prior to servicing electrical components.

Read and follow instructions.

- For proper installation, thoroughly read these instructions and install the mirror accordingly. Be sure to keep a copy for future reference.
- Failure to follow these instructions voids the warranty.

Follow safety precautions.

- To prevent injury, the mirror must be installed according to these instructions.
- Failure to do so could result in serious injury or death.

CAUTION!

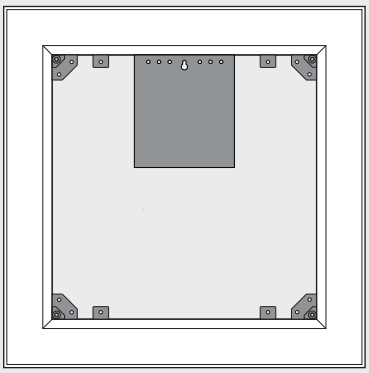
Mirror glass is fragile. Keep edge protectors in place and rest the mirror on a cushioned surface. Do not place mirror directly onto a hard surface.

2. UNPACK YOUR LIGHTED MIRROR

Verify the contents.

- Unpack the boxes to identify and verify all contents prior to installation.
- In general, your mirror will include the following: Chassis, Mounting Screws (pack of 4), and Mirror.

Chassis



Mounting Screws
(pack of 4)

Mirror

3. DETERMINE THE MOUNTING POSITIONING

Confirm the proper orientation.

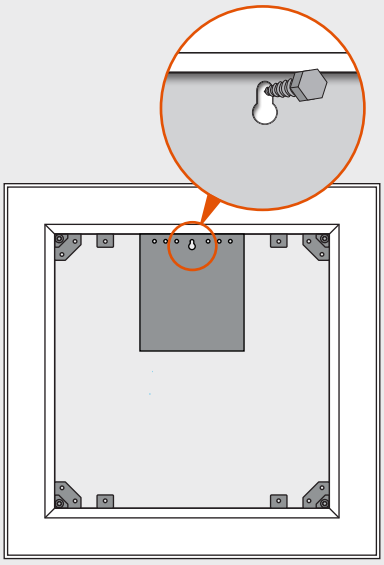
- All Electric Mirror lighted mirrors must be mounted in the Width x Height orientation identified in the part number because the mirror hanger is permanently attached to the back of the mirror and can only be installed in the designated orientation.

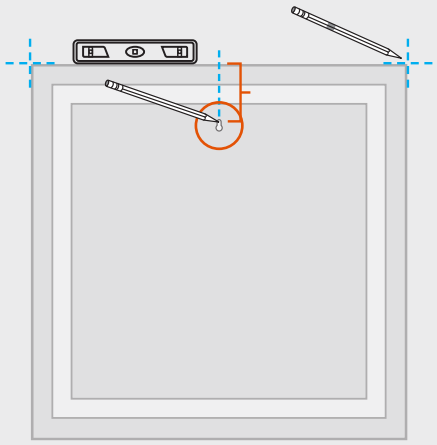
Determine and mark the mirror location on the wall.

- Establish the desired positioning of the mirror.
- The installation location should have proper backing material installed to support the weight of the mirror.
- The top edge of the mirror glass **must be positioned a minimum of 1" down from the ceiling** to provide clearance for hanging the mirror onto the chassis. Additional clearance from the ceiling is recommended to make installation easier.

Most mirror models include a keyhole slot in the top center of the chassis to ease the installation process. This allows the chassis to be temporarily hung from a single screw while being leveled and adjusted.

- To identify the proper location for the leveling screw, measure the distance from the top of the mirror glass to the keyhole, and mark this on the wall. This mark indicates the leveling screw location based on the horizontal center of the mirror and the distance down from the top of the mirror glass.
- If your mirror chassis does not have a keyhole slot, measure down from the top of the mirror glass to one of the holes in the top corner brackets and use this as your positioning guide.
- Be sure you leave at least a 1" minimum clearance between the ceiling and the top of the mirror glass or you will not be able to hang the mirror onto the chassis.





4. PREPARE THE ELECTRICAL

Follow safety precautions.

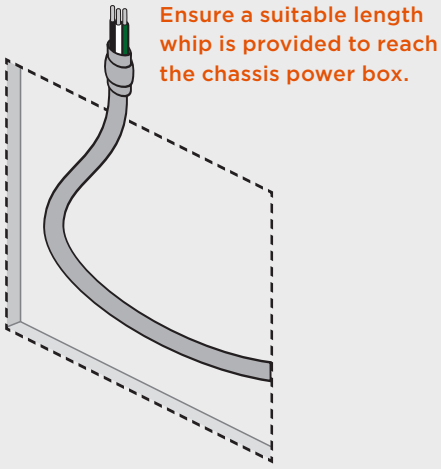
- Turn power to the circuit OFF via the breaker box that's powering this mirror.
- Follow all NEC (National Electric Code) wiring standards for installation, including any additional local codes/regulations that may apply in your specific area.

Determine the location where the electrical wiring should come through the wall.

- The electrical entry location is generally the center point from left to right and top to bottom of the chassis.

Bring electrical power to the mirror location.

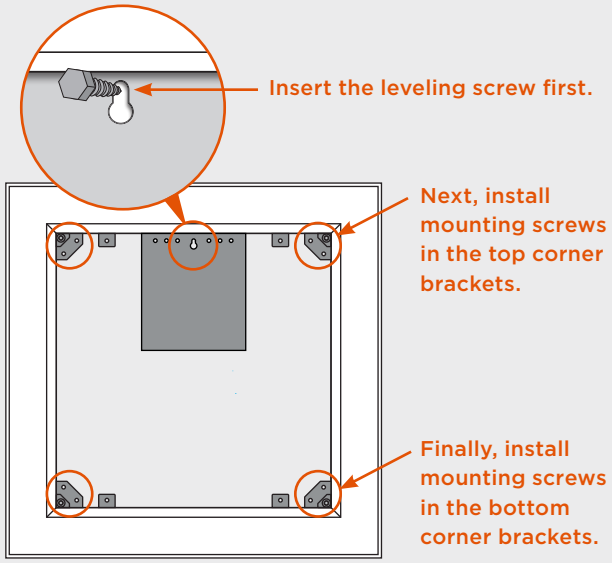
- The lighted mirror requires a switched 120VAC 60Hz circuit.
- If your mirror has additional options (example: TV, defogger, or clock), there may be additional power requirements.
- When bringing the wiring out from the wall, be sure to leave a suitable length electrical whip to reach the chassis power box. Typically, a 36" whip is adequate for most mirror models.



5. MOUNT THE CHASSIS

Install the mounting screws.

- If your chassis includes a keyhole slot, insert a screw into the mark made earlier for the chassis keyhole, leaving the screw head protruding slightly (about 1/8") from the wall surface.
- Carefully raise the chassis, align the keyhole with the leveling screw, and hang the chassis on the wall.
- If your chassis does not include a keyhole slot, carefully raise the chassis and align the hole in the upper corner bracket you used previously to mark the wall. Once aligned, insert a screw into the hole in the corner bracket, temporarily leaving the screw head protruding slightly (about 1/8") from the surface of the corner bracket to provide clearance for leveling the chassis.
- Ensure the chassis is level and plumb and includes the required 1" minimum clearance between the ceiling and the top of the mirror glass.
- Install a minimum of one (1) mounting screw into each of the top corner brackets—multiple screw locations are provided.
- These mounting screws are load-bearing and should be drilled into a wall stud or suitable backing. If this isn't possible, use appropriate wall anchors to support the overall weight.
- Install the bottom mounting screws.
- Ensure that ALL of the mounting screws are properly installed.
- You may remove the leveling screw from the keyhole slot if desired. However, it is okay to leave it.
- The chassis mounting is now complete.



6. CONNECT THE ELECTRICAL

Prepare the luminaire connectors.
The lighted mirror uses a luminaire connector to connect the power coming from the wall to the wiring in the mirror chassis. To prepare the connectors, follow these steps:

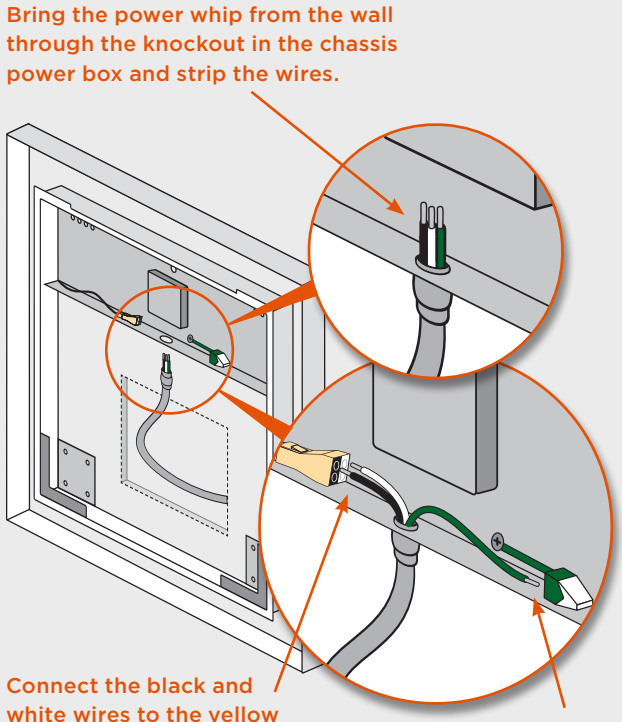
- Bring the wire from the wall through the knockout in the chassis power box as shown using an approved electrical connector.
- The two halves of the luminaire connector (yellow or orange plastic) will come connected and attached to the power cord in the mirror chassis. Separate the two halves by removing the unwired half. It will be used to connect to the wiring coming from the wall.
- Take the ground (green) wire and strip 0.375" of the wire. Connect the ground wire by inserting it into the ground connector on the chassis. The connector is a push-in style that does not require any tools.
- Strip the hot (black) and neutral (white) wires in the same way as the ground (green) wire.
- Insert the hot (black) and neutral (white) wires into the free half of the luminaire connector. The connectors are a push-in style that does not require any tools.
- Connect the luminaire ends together.
- If your mirror **INCLUDES** optional technology upgrades, proceed to Step 7 before turning on the power.
- If your mirror **DOES NOT INCLUDE** optional technology upgrades or dimming, turn the power on at the breaker box to test the functionality. Once you have verified it is working, skip to Step 9 "Hang the Mirror".

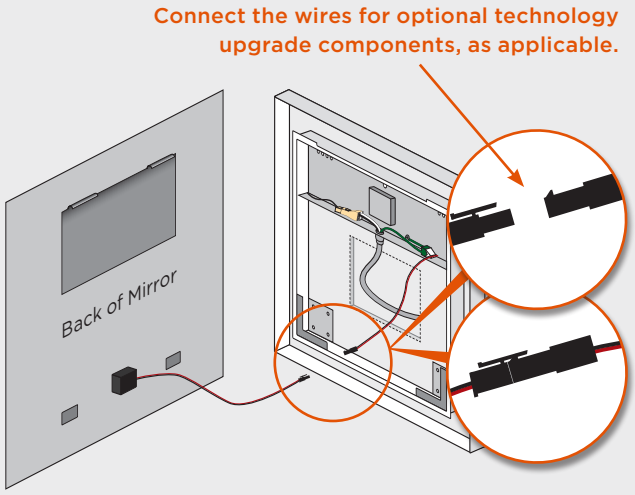
7. CONNECT OPTIONAL TECHNOLOGY UPGRADES (if applicable)

If your mirror includes optional technology upgrades such as: Ava™, Keen™, Vive™, Seamless™, etc., follow the additional wiring instructions below:

- In addition to the luminaire connectors, there will be another set of wires coming from the chassis as well as a set of wires connected to a module on the back of the mirror for each technology component included.
- Ensuring that the locking lever and locking tab are properly aligned, connect the wire from the chassis to the wire from the back of the mirror.
- Repeat the previous step for each technology component.
- If you completed the optional technology upgrade connection steps for either Ava™ or Keen™, skip Step 8 "Wire the Dimming Switch" and proceed to Step 9.

NOTE: When using Ava™, Keen™, or Vive™ with capacitive touch technology, Electric Mirror recommends connecting switches and hanging the mirror (Steps 8 and 9) prior to energizing the mirror. Energizing it first can cause grounding issues and improper button functionality.





8. WIRE THE DIMMING SWITCH (if applicable)

If you are connecting the lighted mirror to a dimming switch, follow these instructions. If not, skip to Step 9.

NOTE: Dimming switches are NOT compatible with Ava™ or Keen™ technology and should NOT be used with these technology upgrades installed.

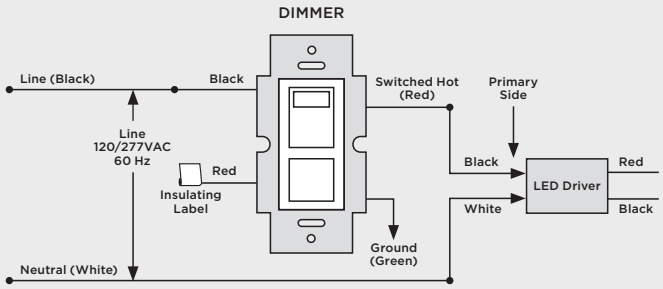
The type of dimming is typically one of the following: D2—Forward-Phase/Triac, or D1—0-10 Volt dimming. If you are not sure which type of dimming your driver is designed to support, it is listed in the part number following the mirror size. The example below indicates that this mirror is designed for D2—Forward-Phase/Triac dimming.

Example: INT3-36.00X36.00-**D2**-LHE-30K

D2—Forward-Phase/Triac Dimming

- Electric Mirror recommends a Leviton IPL06-10Z dimming switch (not included) for forward-phase/triac dimming.
- Two-wire control is a line-voltage phase-control dimming method.
- The LED driver receives the dimming signal through the dimmed hot (black) wire.
- Refer to dimmer switch manual for trimming instructions if dimming range requires adjustments.

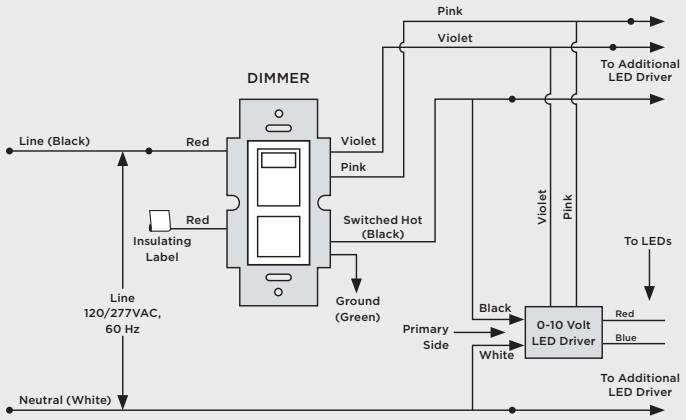
D2—Forward-Phase/Triac Dimming Wiring Diagram



D1—0-10 Volt Dimming

- Electric Mirror recommends a Leviton IP710-LFZ dimming switch (not included) for 0-10 Volt dimming.
- A 0-10 Volt control signal is a DC voltage that varies between zero and ten volts. The controlled lighting should scale its output so that at 10V, the controlled light is at 100% of its potential output, and at 0V it should be at the lowest possible dimming level.
- The low voltage wires must be run in a separate conduit from the line voltage supply. The chassis has two knockouts to accommodate the two sets of wires.
- A second luminaire disconnect is provided for the low voltage dimming wires. Refer to the luminaire connector notes (in Step 6) for more information. Match the colored wires—violet-to-violet (NEMA-100 Violet), and pink-to-pink (NEMA-100 Pink).

D1—0-10 Volt Dimming Wiring Diagram



9. HANG THE MIRROR

Understand the hanging system.

Hanging the mirror involves three components:

- A hanger located on the back of the mirror.
- A hanger receiver located on the chassis.
- Anchoring magnets located on the bottom of either the mirror or the chassis. There are variations of this depending on the specific model.
- The weight of the mirror is supported by the hanger/receiver at the top of the chassis. The magnets at the bottom anchor the mirror to the chassis and are required to keep the mirror firmly in place.

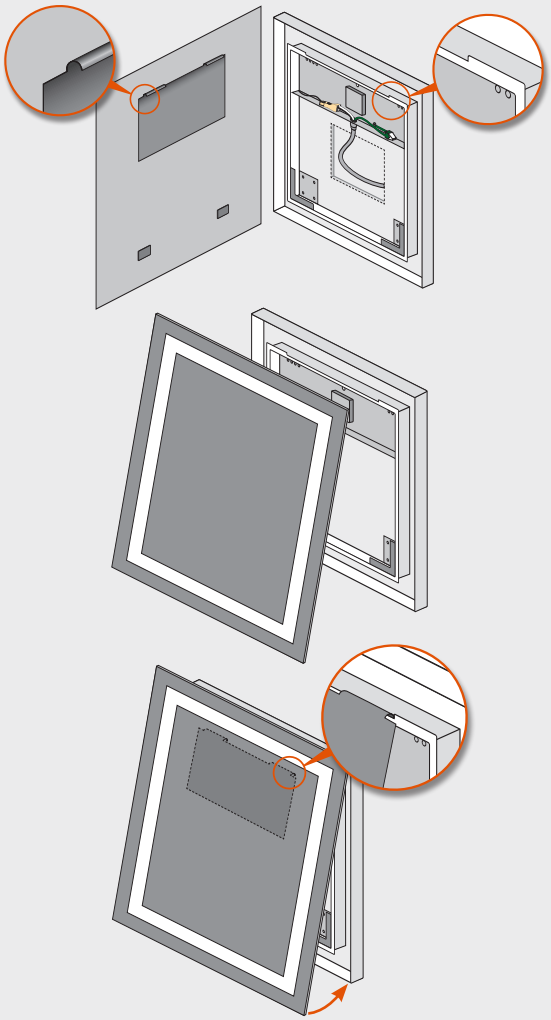
Align the mirror with the chassis.

- Remove ONLY the top mirror protectors.
- Then, carefully lift the mirror while angling the top edge toward the chassis to align the hanger (on the back of the mirror) with the hanger receiver (located on the chassis).
- Take extra care to prevent the back of the mirror from scraping against the edges of the chassis which could damage the back surface of the mirror.

Engage the magnets.

- With the top hanger set into the hanger receiver on the chassis, slowly allow the bottom edge of the mirror to swing in toward the bottom of the chassis until the magnets are fully engaged.

CAUTION: magnets can get stripped off if the mirror is lowered by vertically sliding it downward rather than allowing it to swing in toward the chassis.



10. CLEAN THE MIRROR

Use the correct cleaner.

- The best and safest cleaner is simply clean, warm water used with a soft cloth. If using a commercial glass or mirror cleaner, be sure to **SELECT ONE THAT DOES NOT CONTAIN AMMONIA OR VINEGAR,** which can damage the mirror.

Use the correct cleaning cloth.

- Always use soft, grit-free and lint-free cloths to reduce the chance of scratching the mirror surface. The best choice is a clean, microfiber cloth.

Use the correct cleaning method.

- Never spray the water or cleaner directly onto the mirror. Instead, apply it to the cloth and then wipe the mirror.
- Do not allow the edges of the mirror to get or remain wet. Be sure to dry all joints and edges thoroughly to be certain no water or cleaner remains in contact with the edge or back surface of the mirror.

Please refer to the Mirror Care & Cleaning Instructions available from our website for additional information.

The best and safest way to clean your mirror is using clean, warm water and a microfiber cleaning cloth.