

CONGRATULATIONS

You've purchased the finest lighted mirror available, from the global leader in mirror technology. This lighted mirror is quick and easy to install, and is designed and manufactured to offer you years of enjoyment.

Please read these instructions thoroughly before beginning installation. If you have any questions, please contact our Customer Service team at 425.776.4946, or customer.support@electricmirror.com.

APPLICATION

These installation instructions apply to the lighted mirrors listed below with a Part # prefix that includes RAD2 in the part #.

To confirm the Part # for your product, look for the product sticker on the inside of the chassis.

- Radiance (RAD2)

For mirrors not listed above, see additional Installation Instructions located at www.electricmirror.com/installation-instructions.



TABLE OF CONTENTS

1. Review important safety instructions.....	2
2. Unpack your lighted mirror.....	2
3. Determine the mirror location.....	3
4. Prepare the electrical.....	4
5. Install driver enclosure.....	5
6. Wire the dimming switch.....	7
7. Install wall hanger system.....	9
8. Connect Electrical.....	10
9. Hang the mirror.....	12
10. Clean the mirror.....	13

1. REVIEW IMPORTANT SAFETY INSTRUCTIONS



A. Use a qualified electrician.

Your lighted mirror must be installed by a qualified technician or 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 qualified electricians. Power source must be disconnected prior to servicing components.

B. Read and follow instructions.

For proper installation, read and install the mirror according to these instructions, and keep a copy for future use. Failure to follow these instructions voids the warranty.

C. Follow safety precautions.

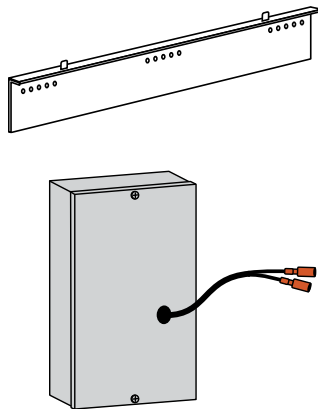
To prevent injury, the mirror must be installed according to these instructions. Failure to do so could result in serious injury or death.

2. UNPACK YOUR LIGHTED MIRROR

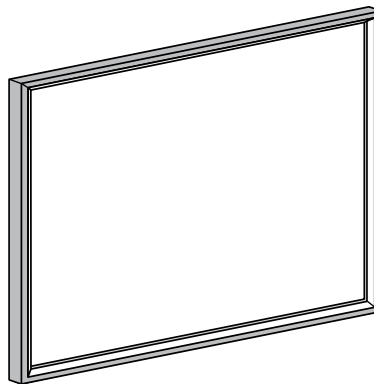
A. Verify the contents.

Unpack the boxes, and identify and verify all contents prior to installation. In general, your mirror will include the following:

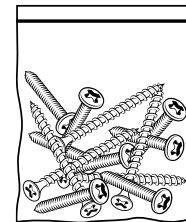
Electrical Box & Wall Cleat



Mirror Assembly



Plates & Mounting Screws*



*The mounting screws are located inside the driver enclosure box.

3. DETERMINE THE MIRROR LOCATION

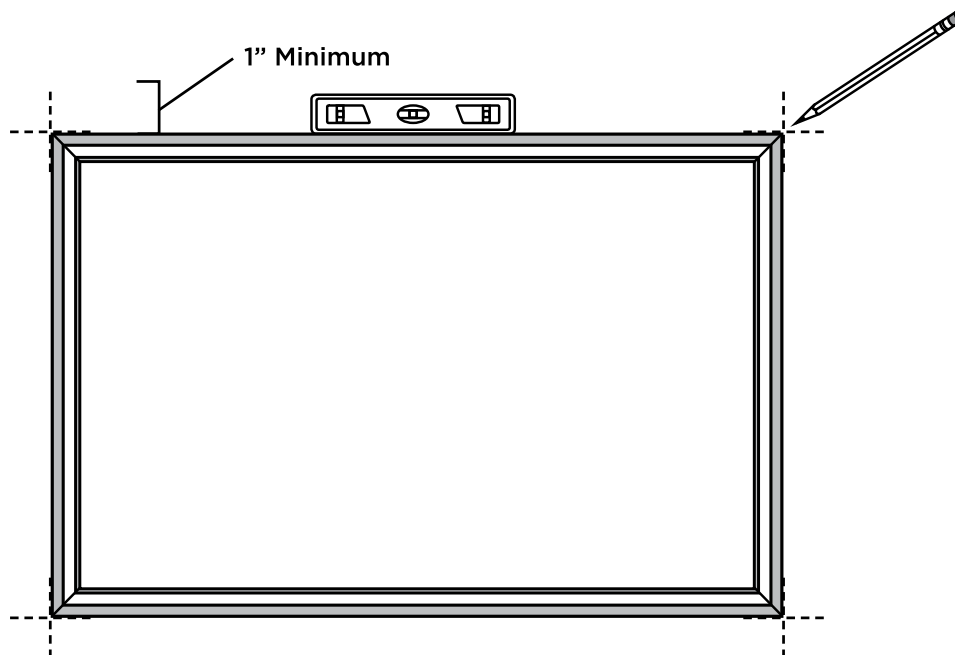
A. Confirm proper mirror orientation.

All 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.

B. Determine and mark mirror location on the wall.

The top edge of the mirror glass must be a minimum of 1" from the ceiling.

Measure your mirror for exact dimension and mark each of the 4 corners on the wall.



4. PREPARE THE ELECTRICAL

A. Follow safety precautions.

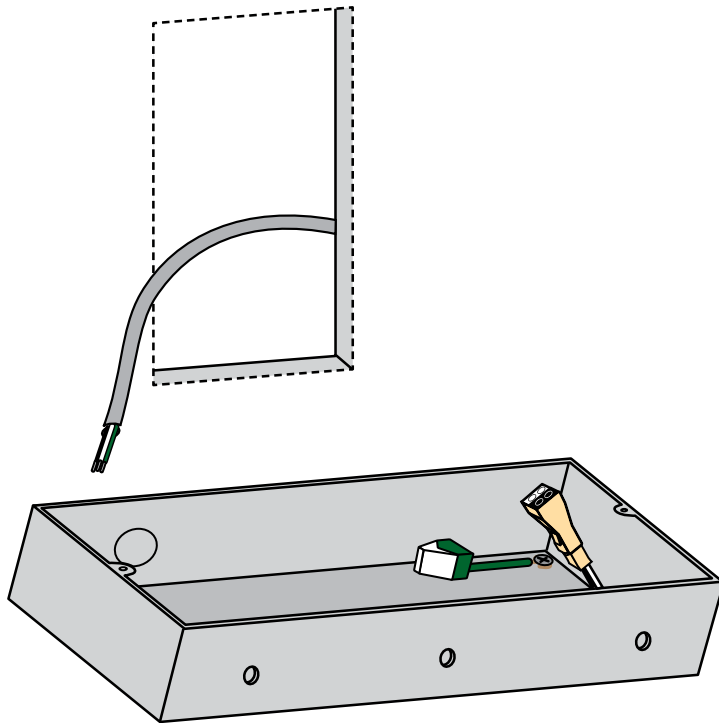
Turn power off to the circuit via the breaker box powering this mirror. Follow all NEC (National Electric Code) wiring standards for installation.

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

The electrical entry location is where you will want your driver enclosure box to be placed. For recessed installations, the electrical connection will be made inside the cutout in the wall. See Step 7 for more details on electrical box placement.

C. Bring electrical power to the driver enclosure.

The lighted mirror requires a switched 120V circuit*. If your mirror has additional options, there may be additional power requirements.



The line voltage circuit must be connected inside the driver enclosure box. DO NOT wire from your wall to mirror directly.

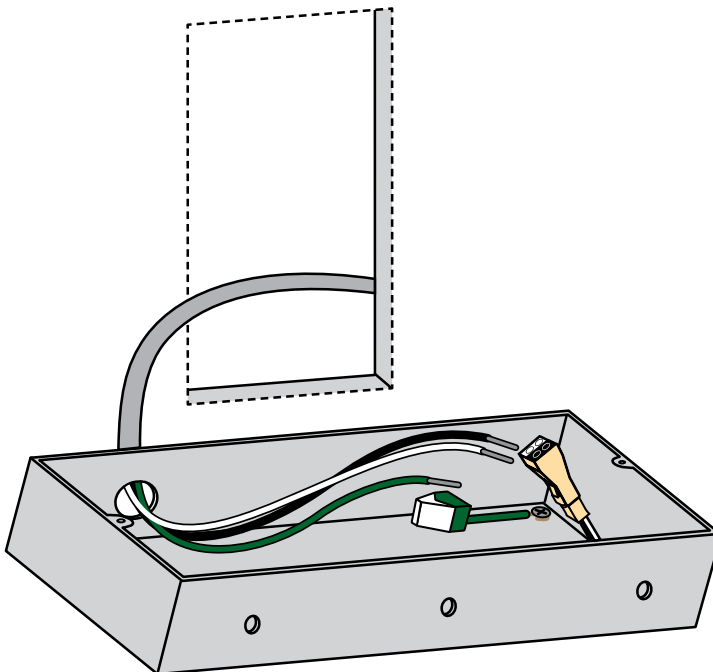
*Refer to model specific sales aid drawing for unique model dimensions, switching, and voltage requirements.

5. INSTALL DRIVER ENCLOSURE

A. Prepare the luminaire connectors.

The lighted mirror uses a luminaire connector for connecting the power coming from the wall to the wiring in the driver enclosure. To prepare the connectors, follow these steps:

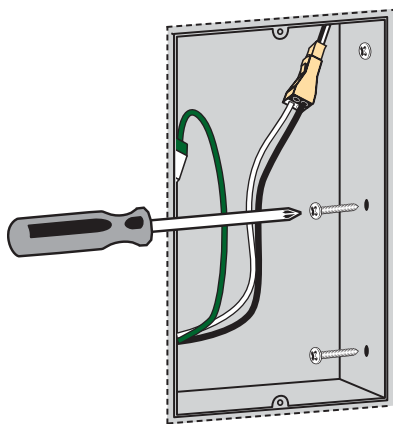
- i. Remove the lid from the driver enclosure by removing the two top screws. Bring the whip into the driver enclosure via one of the knockouts. Secure whip to the enclosure with appropriate clamp or termination fitting. The two halves of the luminaire connector (yellow plastic) will come connected and attached to the power cord in the driver enclosure. Separate the two halves by removing the unwired half. It will be used to connect to wiring coming from the wall.
- ii. Take the Ground (green) wire and strip the wire 0.375". Connect the ground wire by inserting it into the ground connector on the driver enclosure.
- iii. Strip the hot (black) and neutral (white) wires in the same way as the ground. Insert the hot and neutral wires into the free half of the luminaire connector. The connectors are a push-wire style; you will not require any tooling to insert the wires.



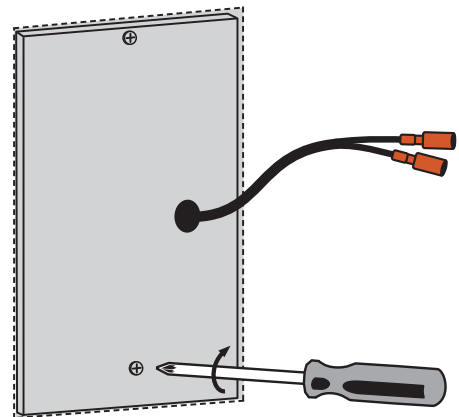
B. For recessed installation.

Make sure you ordered the recessed installation version of the Radiance mirror. For surface mount instruction please move forward to Step C.

- i. Measure the sides of the driver enclosure box
- ii. Create a cutout in the wall matching those dimensions. The left or the right side of the cutout must be along a stud.
- iii. Insert the driver enclosure into the cutout and install the screws into the wall stud to secure it.
- iv. ..Place the lid back on the driver enclosure and secure the screws.



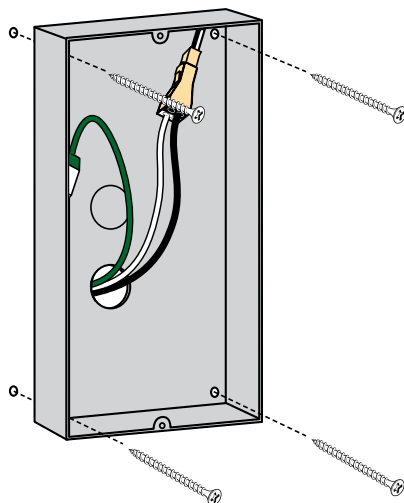
Make sure the driver enclosure is installed into a wall stud.



C. For surface installation.

Make sure you ordered the surface mount installation version of the Radiance mirror.

- i. With the wiring from your wall connected to the luminaire connector inside the driver enclosure from a previous step, secure the driver enclosure to a wall stud or reinforced area with the provided screws.
- ii. Place the lid back on the driver enclosure and secure the screws.



6. WIRE THE DIMMING SWITCH (if applicable)

The dimming switches will not be compatible with Keen technology upgrades.

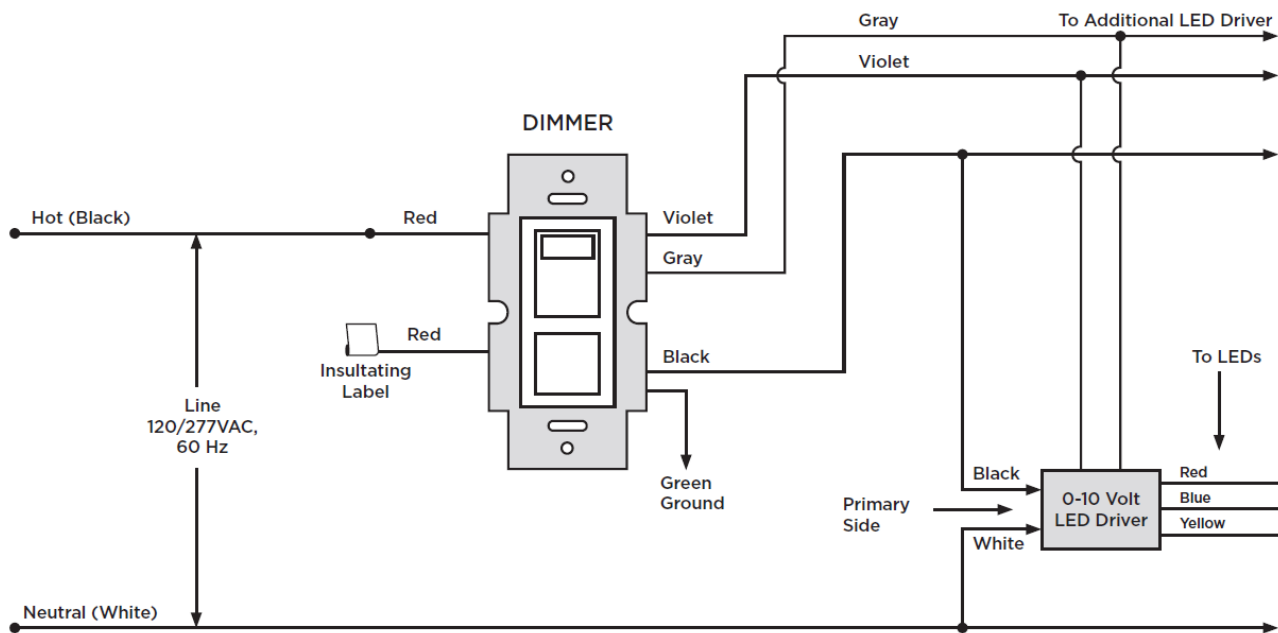
If you are connecting the lighted mirror to a dimming switch, follow these instructions. If not, skip to step 7.

A. D1 0-10 Volt Dimming.

Electric Mirror recommends Leviton IP710-LFZ (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 10 V, the controlled light is at 100% of its potential output, and at 0 V it should be at the lowest possible dimming level. The low voltage wires must be run in separate conduit from the line voltage supply. The enclosure has two knockouts to accommodate the two sets of wire.

A second luminaire disconnect is provided for the low voltage dimming wires. Match colored wires, purple to purple, grey to grey.

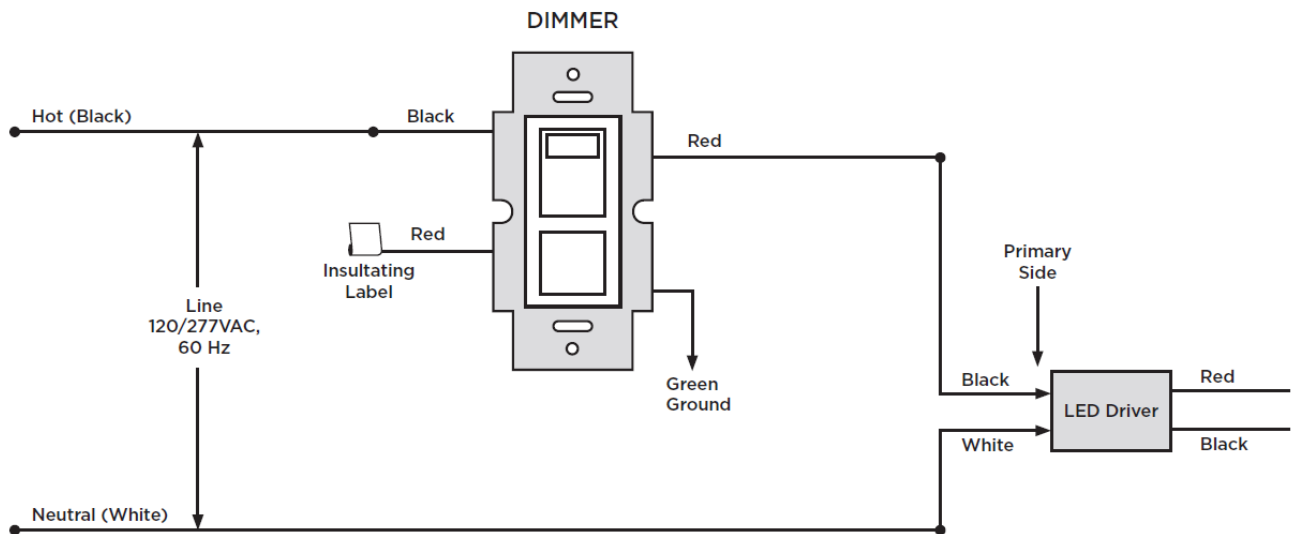


B. D2 Forward Phase Dimming.

Electric Mirror recommends Leviton IPL06-10Z (not included) for Forward Phase Dimming.

Two-wire control is a line-voltage phase-control dimming method. The LED driver receives the dimming signal through the dimmed hot wire.

Some options such as Vive, Seamless and defogger require an additional power source and cannot be on Forward Phase Dimming Circuit.

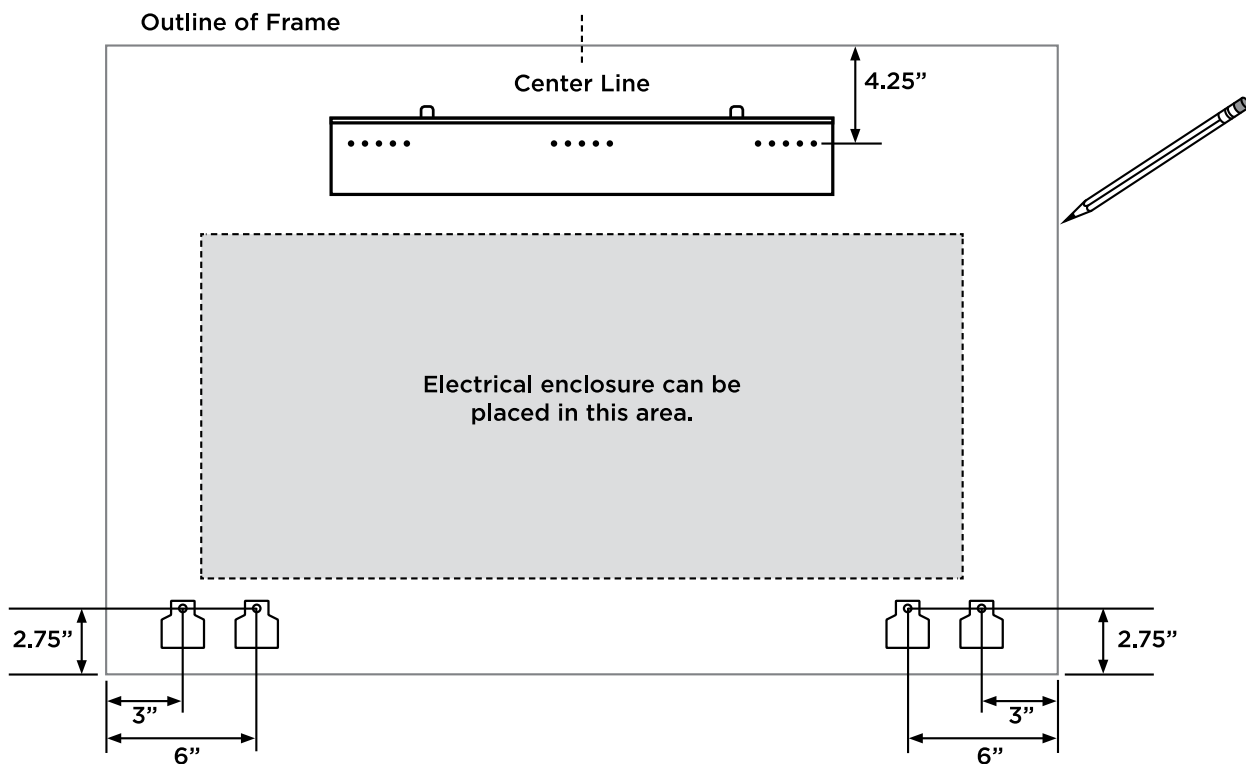


7. INSTALL WALL HANGER SYSTEM

The wall hanger system for the Radiance mirror is divided into three components. The top mounting cleat is used to support the weight of the mirror and the bottom two magnet catch plates are used to secure the lower part of the mirror to the wall.

A. Prepare the mirror for hanging.

- i. Start with the top mounting cleat by finding the center point and top of where the mirror will hang.
- ii. From the top, measure down 4.25". This is the location of the mounting holes on the mounting cleat.
- iii. Secure the mounting cleat to the wall based on this location. Ensure screws are in a stud or suitable backing.
- iv. For the two bottom plates, refer to the mirror outline you made on your wall in step 3.
- v. For the vertical orientation, screw hole for each of the plates will be 2.75" from the bottom of the mirror. The horizontal orientation will be 3" from the edge on either side for a mirror that is 30" or below in width. Mirrors that are 30.25" and above in width will have the magnet receiving plate screw holes 6" from the edge on either side.

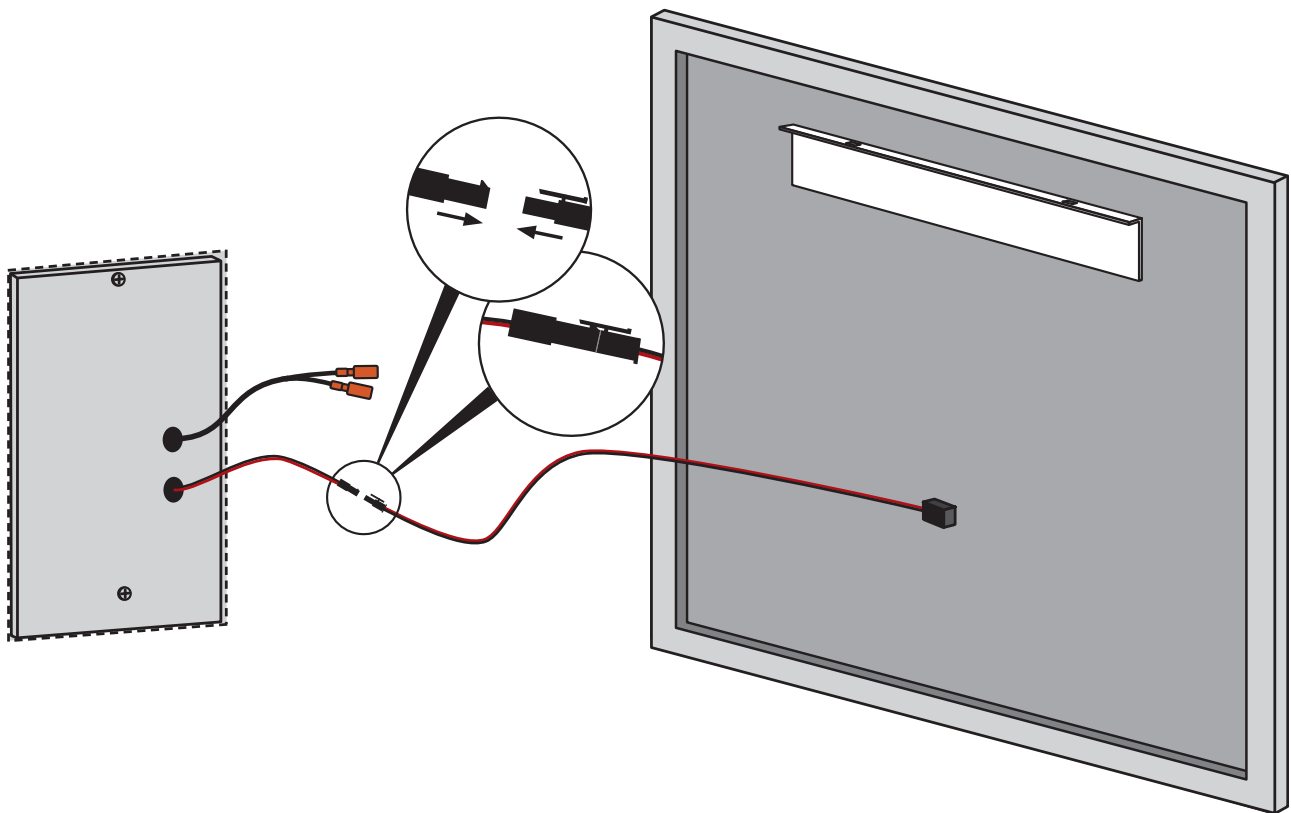


8. CONNECT ELECTRICAL AND OPTIONAL UPGRADE TECHNOLOGY

A. Connect technology upgrades.

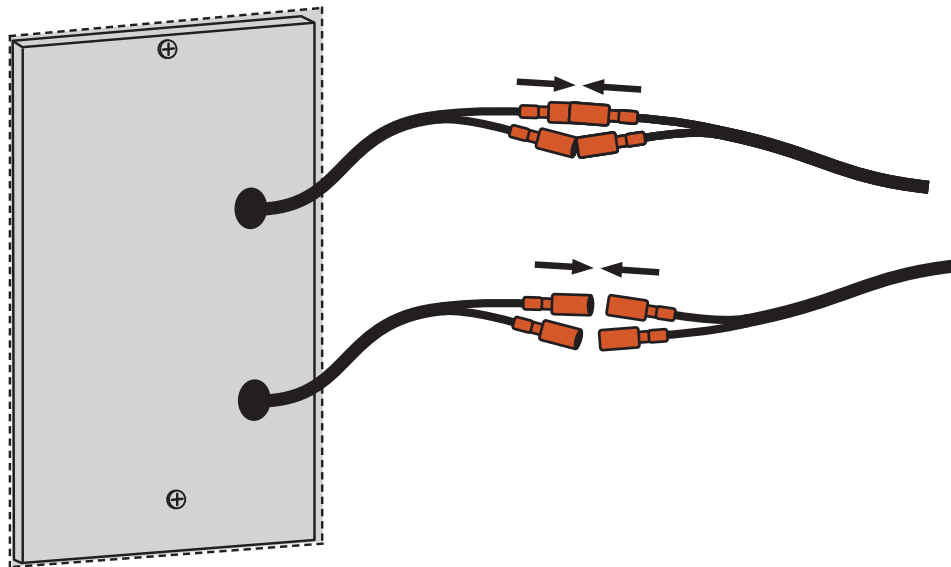
If your mirror has optional upgrade technologies such as Keen, Vive, or Seamless follow the wiring instructions below.

- i. In addition to the luminaire connectors, there will be another set of wires coming from the driver enclosure as well as a set of wires connected to module on the back of the mirror for each technology included.
- ii. 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.
- iii. Repeat the previous step for each optional technology.
- iv. Turn the power on at the breaker box and test the functionality of the technology prior to hanging the mirror.



B. Connect the defogger.

- i. Connect the cord from the defogger to the leads from the chassis using non-polarized bullet connectors.
- ii. If you are using D2 dimming, the defogger requires a separate power source.

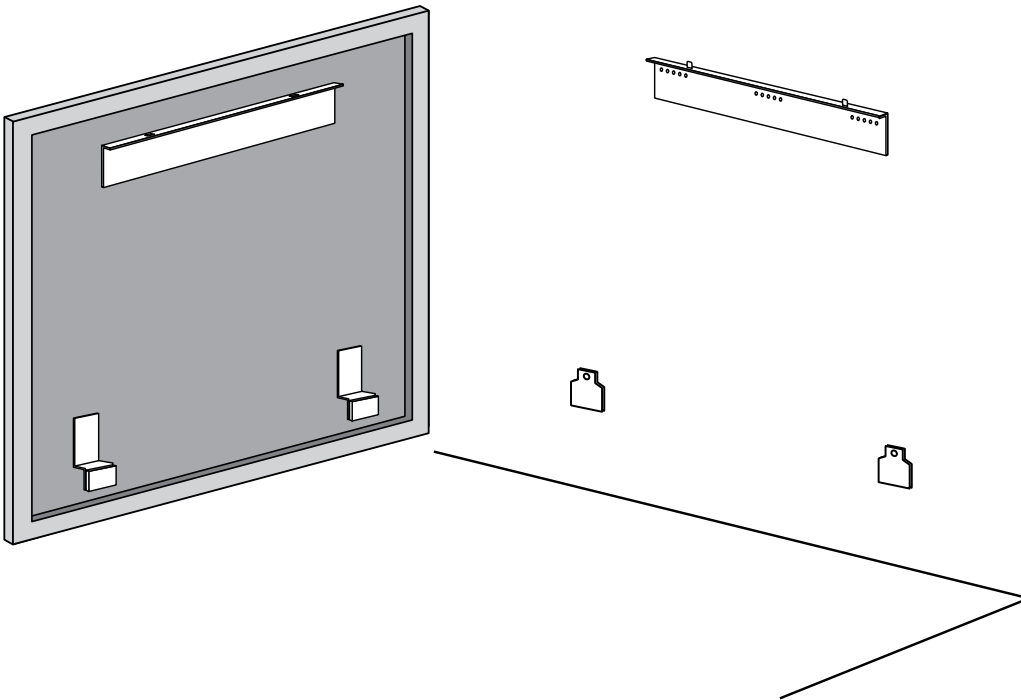


9. HANG THE MIRROR

A. Understand the hanging system.

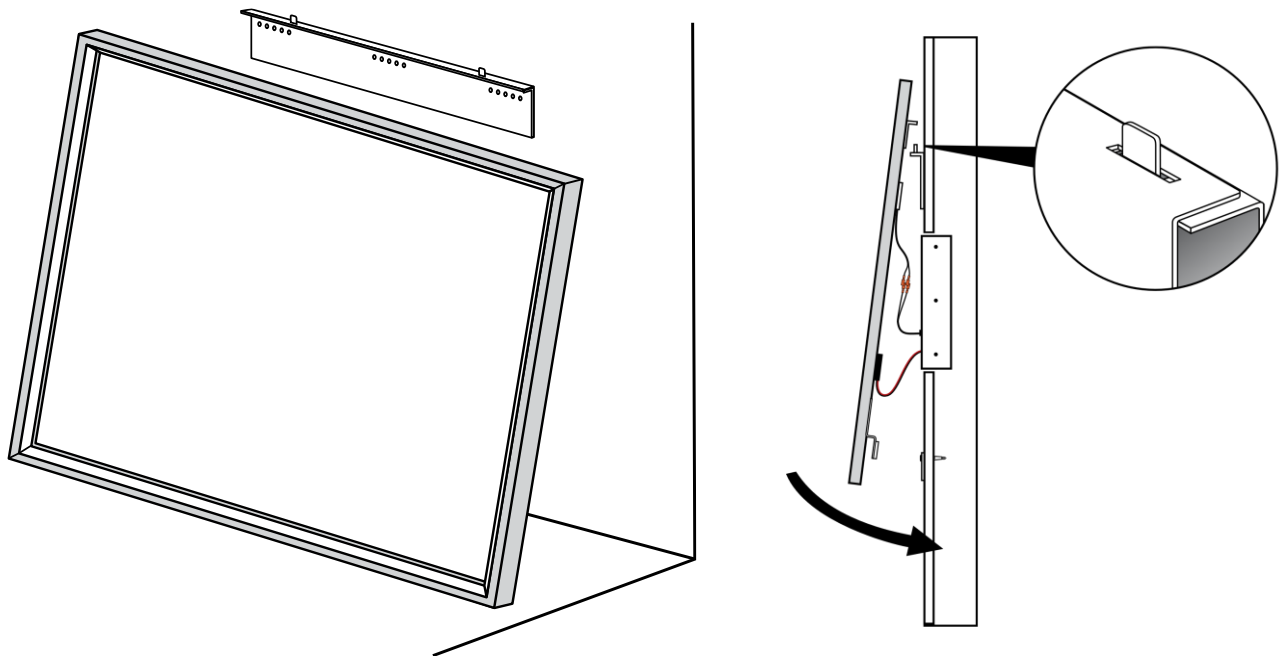
Hanging the mirror involves four components:

- A hanger located on the back of the mirror
- Anchoring magnets located on the bottom of the mirror
- Mounting cleat
- Magnet catch plates
-



B. Align the mirror with the mounting cleat.

Carefully lift the mirror and angle the top edge slightly towards the wall to align the mirror hanger with the mounting cleat. Allow the bottom of the mirror to swing towards the wall. Ensure magnets strike the catch plates.



10. CLEAN THE MIRROR

A. Use the correct cleaner.

The best and safest cleaner is 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. Do not use Windex.

B. Use the correct cleaning cloth.

Always use soft, grit-free and lint-free cloths to reduce the chance of scratching the mirror surface.

C. Use the correct cleaning method.

Never spray the water or cleaner directly onto the mirror. Instead, apply it directly 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 comes in contact with the edge or back surface of the mirror.