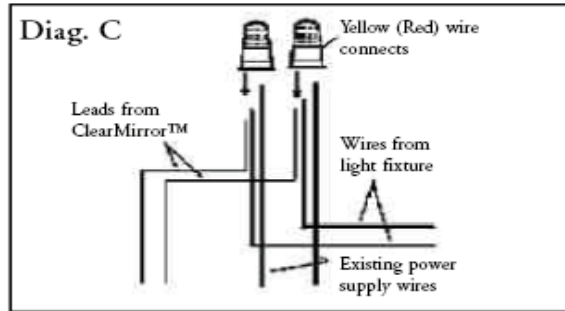


**X** Warning: Light fixture wires must be connected correctly by color to power supply. (Diag. C).

- Wrap wire connectors and wire with electrical tape and push back into junction box. Replace light fixture onto base.
- Turn on circuit breaker and switch for overhead light.
- Test ClearMirror® by placing hand on surface of mirror. It should heat in less than two minutes.



NewHome Bath and Mirror, Inc. and its affiliates will not warranty the labor or material costs for installation, replacement or use of a ClearMirror® product, mirror or other affected items when installed on the inside of exterior walls or when room temperatures on either side of the application wall is or becomes lower than 50 degrees Fahrenheit. This disclosure applies to all residential and commercial applications.

NewHome Bath and Mirror, Inc. and its suppliers cannot be held responsible for damage caused by improper installation. These installation directions are to be used as a guide only while meeting all applicable building codes. Consult professional installation if you have any questions.

The *Original* ClearMirror™ is guaranteed for a 5-year replacement against defects in manufacturing only. Contact your installer for issues relating to installation and replacement. The guarantee is void without proper registration, installation\*, or if product alteration occurs in any form. See warranty for complete details.

\* Wired to a separate circuit other than the overhead power supply are acceptable methods for installation if all wiring between mirror heater and the power source are installed per the local and national electrical codes using a wiring system identified by the National Electrical Code.

Visit [www.clearmirror.com](http://www.clearmirror.com) for the most recent installation instructions or call 651-714-2362.

NEWHOME BATH AND MIRROR, INC., 425 Weir Dr., Woodbury, MN, 55125



# The Original ClearMirror®



## Installation Directions

The Original ClearMirror® is UL and C-UL listed (tested to CSA standards). It is designed to be powered by the existing overhead lighting circuit and activated when the bathroom light switch is on. A 15 or 20-amp fuse or circuit breaker at the electrical box should protect the circuit. The ClearMirror® keeps the area it covers steam free. It may be used on any mirror larger than itself. More than one ClearMirror® may be applied to cover multiple areas such as twin vanity sinks.

### Easy Steps for Installation:



1. Choose mirror defogger location.
2. Place electrical junction box as shown in directions.
3. Adhere mirror defogger to back of mirror.
4. Wire mirror defogger to junction box to 110/220 volt power supply - preferably bath room light switch or fan to ensure it is turned off when not in use.
5. Install mirror.

Tools needed: Electrical tape, flashlight, 4-yellow or red wire connectors (depending upon the number of existing wires), non-sheathed cable, remodeler's junction box, utility knife, wire strippers, screwdriver, pliers, and a keyhole saw or drywall router.

Install the Original ClearMirror® to a junction box in accordance with all applicable safety, national and local electrical codes. All wiring between the mirror heater and the bathroom light junction boxes must be installed per the local and national electrical codes using wire system identified by the National Electrical Code. If doubts concerning the electrical connection, consult a qualified electrician.

- Do not install on mirrors located along exterior walls.
- Only wire the pad to a 110/220 volt power supply.
- These installation procedures are for mirrors that are not permanently installed, please consult local authorities for variation in installation.
- Do not install if product is damaged. Do not bend, alter, submerge in water, or use product for purposes other than described. Do not overlap ClearMirror® pads if using more than one on a mirror.
- Mirror must be larger than ClearMirror® heater.
- Use caution with all electrical appliances. Install in accordance with these instructions.

## 1. Measure for ClearMirror® Installation

- Before removing bathroom mirror, measure for desired installation height from the finished floor.



**Note:** ClearMirror® height is usually 2 inches higher than the tallest user's height.

- Carefully remove your bathroom vanity mirror and place in a well supported location.

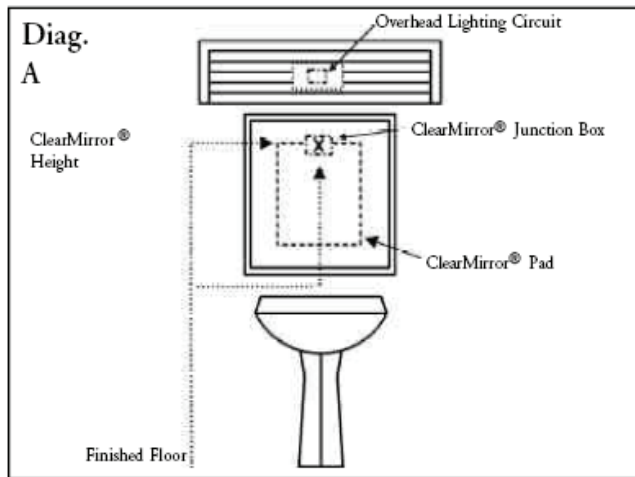
- Mark an 'X' on the wall where the sink's center meets the height mark.



**Note:** This location is where the new electrical box is entered and where the ClearMirror® leads meet the wall when the mirror is replaced (Diag. A).



**Note:** ClearMirror® height should be more than 3" below top edge of mirror or final mirror height.



## 2. Install Electrical Box



**Caution:** Shut off power to the circuit where heater is to be connected at the disconnect means.

- Use a keyhole saw or drywall router to cut-out a 2"x3" section of drywall.



**Note:** Avoid cutting too deeply to prevent possible damage to existing wires or pipes.

- Install 2"x3" remodeler's electrical junction box and tighten screws.

## 3. Wire to Overhead Light Fixture

- Disconnect overhead light fixture base from the wall to expose its junction box.
- Drop down a romex cable to the ClearMirror® junction box below.

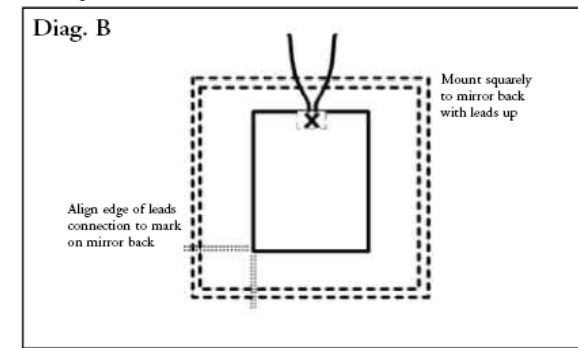
## 4. Apply ClearMirror® to Mirror Backing

- Before attaching ClearMirror® pad onto mirror, re-measure the sink's center and height position and mark an 'X' on the back of the mirror at this location (Diag. B).
- Clean mirror's surface with isopropyl alcohol solution to remove residues and dry excess moisture.



**Caution:** Do not use any fuel based cleaners.

- Apply ClearMirror to mirror by removing contact paper and aligning edge of leads connection over the 'X' squarely onto the mirror back.
- Press firmly around all edges and through the middle of the ClearMirror® pad.



## 5. Connect Leads to Power Supply

- With the assistance of another person, position the mirror to connect ClearMirror® leads to romex cable.
- Attach the ClearMirror® leads to the power supply using appropriate connectors.
- Push the excess wire into the junction box.



**Caution:** Check to ensure that the leads are not between the mirror and the wall and replace mirror.

## 6. Complete Wiring to Lighting Circuit

- Connect the romex cable from the ClearMirror® junction box to the overhead light circuit within its junction box.