

BigSexy

Installation Instructions



CLEARMIRROR

THE DIFFERENCE IS CLEAR



ShowerLite LED Back-lit, Fog-free Shower Mirrors

Model 16105-306024M and Large Custom Sizes w/LED

June 2022

*The Big Sexy is UL/C-UL listed for use in the shower and tested to CSA standards.
This unit is designed to be powered by a switched outlet and activated when the bathroom
light or fan is switched on.*

IMPORTANT INSTRUCTIONS

Only wire the BigSexy Shower ClearMirror to the 24-volt in-line and 24-volt DC direct plug-in power supplies included with this product. Install in accordance with all applicable safety, national and local electrical codes.

Read all instructions before using the Shower ClearMirror.





NOTICE: All installation wiring must be performed by a licensed electrician. Follow the National Electrical Code, local codes, NFPA 70-2011 as applicable.



NOTICE: Only use the power supply included with this product.



NOTICE: All wiring including new receptacles, must be performed by a licensed electrician. Follow the National Electrical Code or local codes as applicable.



WARNING: Power supply must be placed in a dry location outside of the shower and must be at least three feet from the shower. Follow NEC Article 406. Failure to follow instructions could result in death or serious injury.

General Guidelines

- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- Do not operate any heater after it malfunctions. Disconnect power at service and have heater inspected by a reputable electrician before reusing.
- Do not use outdoors.
- To disconnect heater, turn controls to off using light/fan/receptacle switch, and turn power off to circuit at the main disconnect panel.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- Do not install on uninsulated exterior walls in cold climate areas.
- Do not install if product is damaged.
- Do not bend, cut, alter, submerge in water, or use for purposes other than described.
- Mirror must be caulked or grouted into tile, flush with the tile surface. Edges of the mirror cannot be exposed to touch.
- Contact ClearMirror for LED replacement parts.
- Consult the NEC, Article 551 for recreational vehicle installation.
- SAVE THESE INSTRUCTIONS.

Installation

Activate the Big Sexy ClearMirror by a switch. You may decide to connect it to another light or fan to ensure it is turned off when not in use.

1. Before installing wall tile, measure for desired mirror height from the finished shower floor.
2. Prepare an area 30" x 60" for the mirror (or custom size). Adjust for your grout lines.
3. Measure and mark the location of the junction box for the heater leads. Typically centered.
4. Measure & mark the location of the LED light.
5. Remove the marked area of wallboard to allow the mirror to install flush with the tile and run the LED lead to the location of the LED Power Breakout.
6. Remove the marked area of wallboard and mount the junction box per manufacturers instructions. (see Figure 1).



WARNING: This stage requires a qualified electrician and conformance with both the National Electrical Code and local building codes. Turn off the power to the circuit connected to the light fixture at the disconnect means. Failure to do so could result in death or serious injury.

Wiring the Heaters

Observe electrical load requirements. Ensure total amperage does not exceed rating of the wall switch (i.e. 15-amp switch), circuit or existing wiring.

Use minimum 18-gauge wire from transformer to mirror connection.

1. Run power supply wires from the provided low-voltage in-line power supply to the opening at the mirror location. The power supply wires are run behind the wall.
2. Ensure low-voltage junction box is installed per manufacturer's instructions.



NOTICE: Junction box must be accessible per all applicable safety, local, and national electrical codes. Access to the junction box is gained by removing the mirror.

Use only supplied LED wiring between the mirror and the outlet. All wiring must be in accordance with applicable installation code, NFPA 70-2011, National Electric Code.

The direct plug-in power supply must be accessible for service and replacement and must have some air flow. Do not mount the power supply in a closed wall.

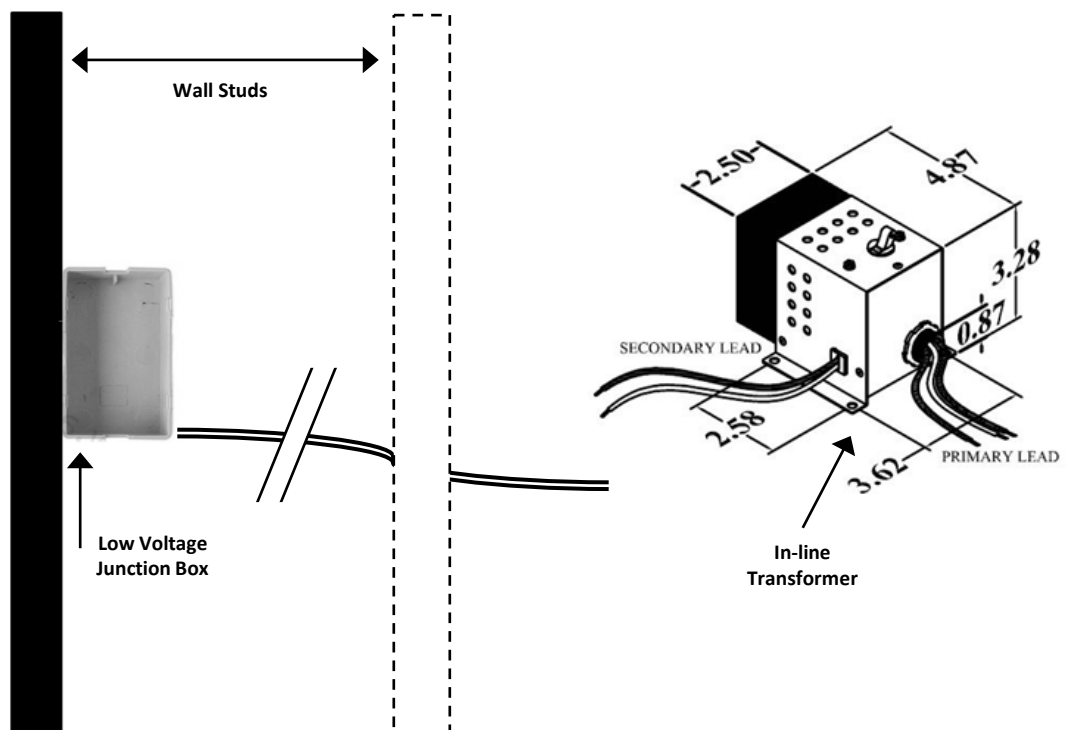


Figure 1. Locating the junction box and running wires (front view).



WARNING: This stage requires a qualified electrician and conformance with both the National Electrical Code and local building codes. Turn off the power to the circuit connected to the light fixture at the disconnect means. Failure to do so could result in death or serious injury.

Wiring the LED

The ShowerLite uses a custom power breakout board to receive power and connect LED(s). Maximum distance from mirror to the LED driver is 40 ft. Driver also has a 6 ft. AC cord with plug.

If not already mounted, the power breakout board can be mounted on the mirror as needed (near the LED or near the heater leads). It comes with double stick adhesive. The LED lead and power supply lead connect to any open spot on the power breakout.

The LED power supply is **plugged into a switched outlet**. The outlet is either dedicated for the ShowerLite or tied into another switched light in the bathroom.

1. Run power supply wire from the provided low-voltage plug-in power supply to the opening at the mirror location. The 24V power supply wire is 40-feet long and runs through the wall.
2. Before mounting the mirror, connect the power and test LEDs and heater.



NOTICE: Use only supplied LED wiring between the mirror and the outlet. All wiring must be in accordance with applicable installation code, NFPA 70-2011, National Electric Code.

The direct plug-in power supply must be accessible for service and replacement and must have some air flow. Do not mount the power supply in a closed wall. Common locations include: cabinets, closets, attics and adjoining rooms.



NOTICE: This stage requires two people. One to hold the mirror and another to connect the wires with UL approved wire nuts or snap connectors.

DO NOT LET MIRROR HANG FROM CONNECTED WIRES!

Mounting the Mirror

1. One or two people to hold the mirror while another connects and wraps the heater leads with electrical tape.
2. Feed the excess lead wires into the junction box.
3. Test to make sure the heater is working. It takes 3 to 5 minutes to heat the mirror.
4. Apply mirror mastic or Kerdi Fix adhesive to the mirror back on areas that will contact the wall board. It is safe to apply mastic on the heater.
5. Apply a **continuous bead around the entire** perimeter of the mirror back (See Figure 3).
6. Carefully mount to the wall.
7. Securely **tape and brace the mirror in place for 24 to 48 hours or until dry.**

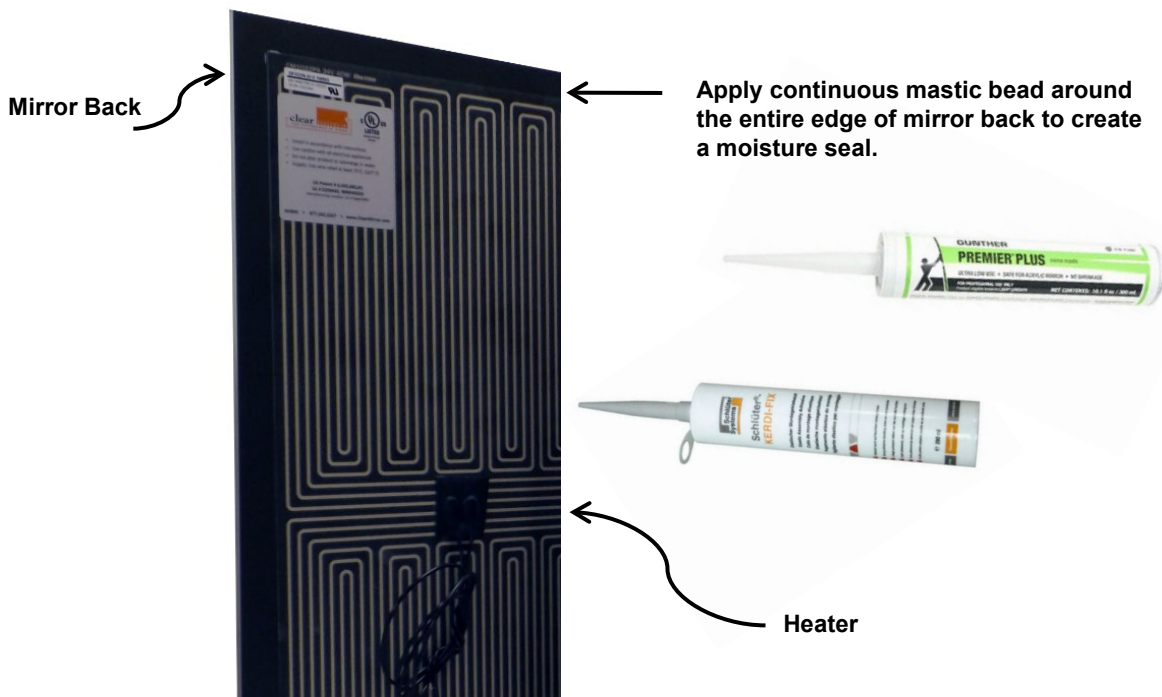


Figure 3. Applying Mirror Mastic.

Use Premium Mirror Mastic for Best Results

To prevent damage to the mirror backing, use Gunther Premier Plus Mirror Mastic or Kerdi Fix. Available from your local mirror/glass/tile shop or online through Amazon or CR Laurence. Other mirror mastics will work but these are recommended. See ClearMirror.com/FAQ



WARNING: Mirror must be caulked or grouted into the tile or surround complete and flush with tile surface. Back edge of the mirror cannot be exposed to touch. Failure to do so could result in electric shock or injury.

FINISHING THE MIRROR

1. Caulk or grout around the edges.



Figure 4. Grout around the mirror to seal and finish.

IMPORTANT (SAVE THESE INSTRUCTIONS)

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

Read all instructions before installing or using this heater.

- Do not operate any heater after it malfunctions. Disconnect power at service panel and have heater inspected by a reputable electrician before reusing.
- Do not use outdoors.
- To disconnect heater, turn bath switch to off, and turn off power to heater circuit at main disconnect panel (or operate internal disconnect switch if provided).
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

OPERATING INSTRUCTIONS

- The ClearMirror assembly must be properly installed before it is used.
- The ClearMirror is to be installed flush with the tile with wiring fed from behind the full, wall-mounted assembly.
- Be certain that the controls are operational per the instructions in that the bathroom light, ceiling fan or alternate switch power on and power off the ClearMirror.
- Do not modify the installation from within (or outside) the assembly, and do not tamper with any user-operated devices intended to reduce the risk of fire, electric shock, or injury to persons; and warn against tampering with such devices.
- Any servicing should only be done by a qualified service person.

MAINTENANCE INSTRUCTIONS

The Shower ClearMirror requires very little user maintenance:

- Be sure the power is turned off and the heating element (mirror surface) is cool prior to performing any of these functions.
- DO NOT SPRAY MIRROR. Dampen a lint-free cloth and lightly clean the surface. Never use chlorine base, chemical glass cleaners or any abrasive material on the mirror. Use of those cleaners or chemicals will void all warranties and guarantees. Heater and LEDs on the back of the mirror should never be accessed and require no cleaning.
- The mirror will not require internal or behind assembly cleaning.
- As necessary, clean only the surface of the mirror with an approved glass cleaner and soft cleaning cloth.
- All other servicing should be performed by qualified service personnel. Call ClearMirror directly with any warranty or operational problems or concerns.

GROUNDING INSTRUCTIONS

This Shower ClearMirror assembly with a ClearMirror heater is for use on 24-volt power supply. The cords (leads) exiting the back of the mirror assembly are 18-gauge and are not required to be grounded.

WARRANTY INFORMATION

NewHome Bath & Mirror, Inc. DBA ClearMirror and its affiliates will not warranty the labor or material costs for installation, replacement or use of ShowerLite when operated in an application that is lower than 50° F.

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

The ClearMirror product line is provided with a five-year warranty against defects in workmanship or materials. Warranty only covers replacement parts. Improper installation and/or cleaning voids the warranty. Contact your installer or original place of purchase for issues relating to installation and replacement. The warranty is void without proof of purchase, proper installation, or if product is altered in any way.



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