

ClearLite

Installation Instruction



ClearLite LED Back-lit and Side-lit, Fog-free Vanity Mirrors

Models 18100-1836BL, 2436BL, 1836SL, 2436SL

June 2018

IMPORTANT INSTRUCTIONS

ClearLite vanity mirrors with attached ClearMirror® Defogger is designed to be powered by a switched circuit. A 15A or 20A fuse or circuit breaker at the electrical box should protect the circuit. **Read all instructions before using the ClearLite ClearMirror.**



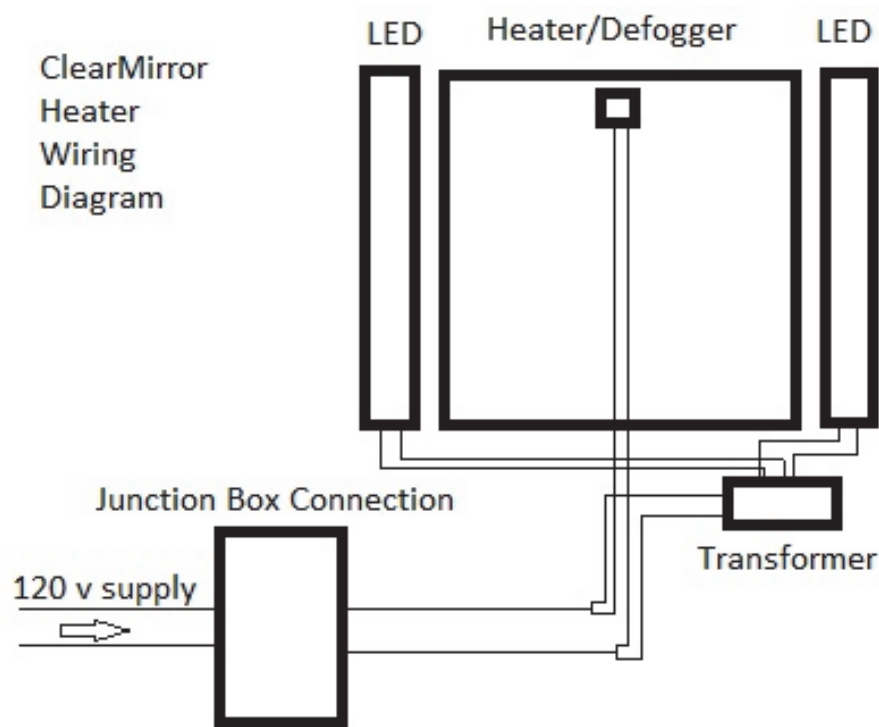
NOTICE: All wiring must be performed by a licensed electrician. Follow the National Electrical Code or local codes as applicable.



WARNING: Failure to follow instructions could result in death or serious injury.

Installations

COMPONENTS OF THE CLEARLITE



INSTALL ELECTRICAL BOX

Position junction box near the center of the mirror wall hanger (see Figure 1).

- Cut a 2" x 3" section of drywall
- Install 2" x 3" remodeler's electrical junction box

Figure 1. Location of ClearMirror wire leads and installing the junction box (back view).

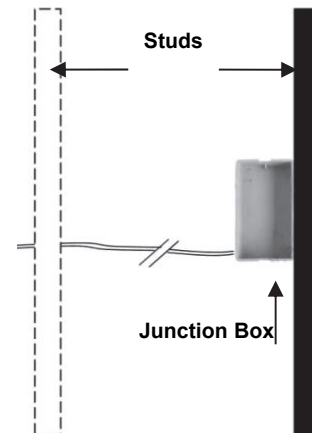


Figure 1. Junction box installation.



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.

- Run a switched power supply cable to the new junction box.
- The transformer power supply (above) is designed to be wired into a standard 110V US outlet installed by licensed electrician meeting all local and U.S. building codes. Electric box should be wired so that wall light switch will turn the mirror on and off.
- Level mirror wall hanger, mark four mounting hole locations, note the direction of the arrows for up and attach mirror hanger to the wall. Installer is responsible for determining and using the appropriate fasteners to fasten mirror to wall. Now hang the mirror onto the wall hanger. Both upper and lower hangers must be inserted into the mounting slots.



INSTALLATION OF MODELS WITH SINGLE Z-BRACKET: MOUNTING Z-BRACKET TO WALL

- Locate center on wall, level and mark.
- Place Z-bar bracket with tabs up and 1 or 2 inches from top edge of mirror. Level and mark holes.
- Locate and use studs, if possible. If no studs are found, use wall anchors (provided).
- Mount Z-bar bracket on wall with screws and anchor.
 - Drill hole for anchor.
 - Tap anchor flush with wall.



Figure 2. Locating position of the Z-bar bracket.



NOTICE: Always use two people when moving and installing.

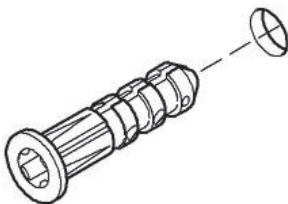


Figure 3. Installing drywall anchors and mounting Z-bar bracket.

WIRING: CONNECT LEADS TO POWER SUPPLY

- With assistance of another person, position the mirror to connect the ClearLite leads to the wire cable in the junction box.
- To connect the mirror heater and mirror wires:
 - Polarity is not relevant - there are neither positive nor negative connections on the ClearLite unit, nor are there any ground wires.
 - Coming through the opening in the back of the unit, twist one of the black wires marked “**HEATER**” to one of the black wires marked “**LED**” and connect to one of the power supply wires in your junction box using wire connectors.
 - Now do the same for the two remaining wires (twist the other black wire marked “**HEATER**” to the other black wire marked “**LED**” and connect to the remaining power supply wire in your junction box using wire connectors.
 - Push the excess wire into the junction box.



CAUTION: Ensure leads are not stuck between the mirror and the wall.

COMPLETE WIRING AND MOUNTING

1. Hang mirror on the Z-bar bracket.
2. Turn on the circuit breaker and the switch for overhead light.
3. Test ClearLite fog-free heater by placing hand on mirror surface. Area will heat in 3 to 5 minutes.

IMPORTANT INSTRUCTIONS

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 ClearLite assembly must be properly installed before it is used.
- The ClearLite is to be installed over a bathroom vanity sink with wiring fed from behind the full, wall-mounted assembly.
- Be certain that the controls are operational per the instructions above in that the bathroom light, ceiling fan or alternate switch power on and power off the ClearLite.
- 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 ClearLite requires very little (if any) user maintenance; some items to consider are as follows:

- Be sure the power is turned off and the heating element (mirror surface) is cool prior to performing any of these functions.
- With two hands (or more hands if someone else is available to assist), be sure that once mirror is hung it is firmly hanging from the attached bracket and that the bracket is still firmly attached to the wall.

3. Be sure that all excess wires are stowed in the electrical box, and are not hanging outside of the protective area of the mirror.
4. The 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. DO NOT SPRAY MIRROR. Heater on the back of the mirror should never be accessed and requires no cleaning.
5. The mirror will not require internal or behind assembly cleaning.
6. As necessary, clean only the surface of the mirror with an approved glass cleaner and soft cleaning cloth.
7. If makeup, nail polish, or other permanent marking occur on the surface of the mirror, it is advised to have an adult use the side edge (edge entirely flush with mirror) of a razor blade to gently scrape away at mark. Use mirror cleaner to further clean area once mark is removed.
8. All other servicing should be performed by qualified service personnel. Call ClearMirror directly with any warranty or operational problems or concerns.

GROUNDING INSTRUCTIONS

This ClearLite assembly with a ClearMirror heater is for use on 120 volt power supply. The cord (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 ClearLite 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 ClearLite product line is provided with a one-year warranty against defects in workmanship or materials. Improper installation and/or cleaning voids the warranty. A two-year warranty is extended against mirror spoilage (with the above conditions of care). 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.



ClearMirror

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