

# ClearLite

## Installation Instructions



## ClearLite LED Back-lit and Top-lit, Fog-free Vanity Mirrors

Models 18100-2436120BL, 2436120TL, & Custom  
August 2019

### 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.**





**NOTE:** 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.

# Installation

## COMPONENTS OF THE CLEARLITE

### ClearLite Wiring Diagram.

See Section: **Connect Leads to Power Supply** for detailed wiring instruction.

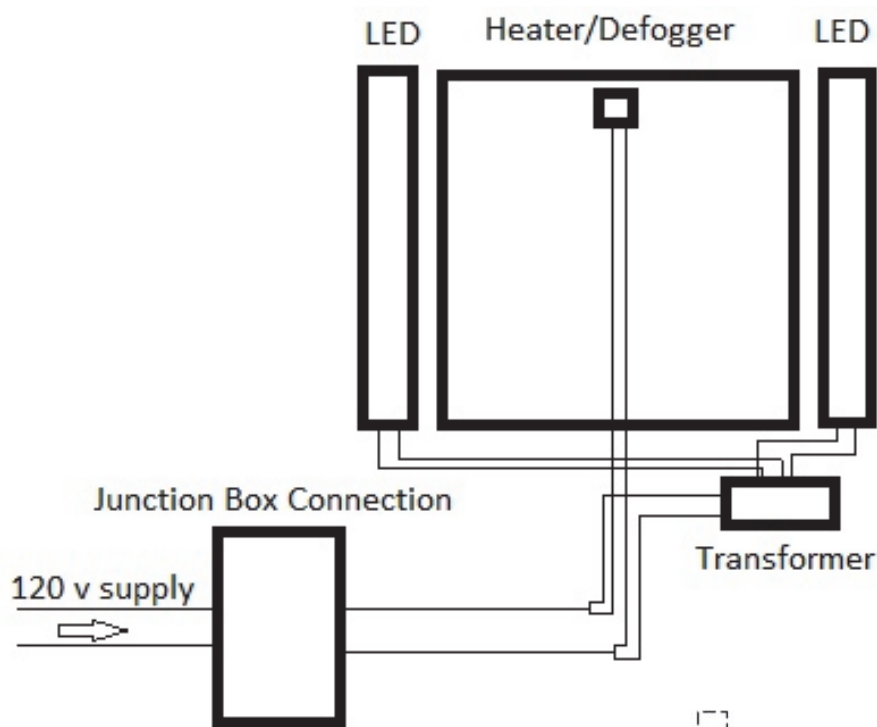


Figure 1. ClearLite Wiring Diagram.

## INSTALL JUNCTION BOX

Position junction box near the center of the mirror as shown in Figure 2.

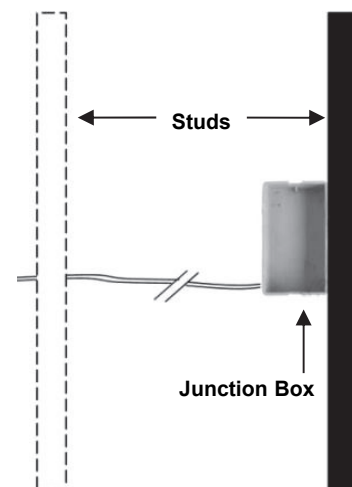


Figure 2. Junction Box Installation.



**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 defogger and the transformer power supply are designed to be wired into a standard 110V US outlet installed by licensed electrician meeting all local and U.S. building codes. Wire electric box so that a wall switch will turn the mirror on and off.
- Locate, level, and mark for Z-bracket mounting plate against wall and center cut-out over junction box. Mark at least three mounting hole locations (See Figure 3).
- Screw into studs or wood blocking. Installer is responsible for determining and using the appropriate fasteners to fasten hanger to wall.
- Side rails & hanger are designed to sit flush with wall.



Figure 3. Level and Mount Z-Bracket Wall Plate.



**NOTE:** Mounting bracket must screw into studs or wood blocking.

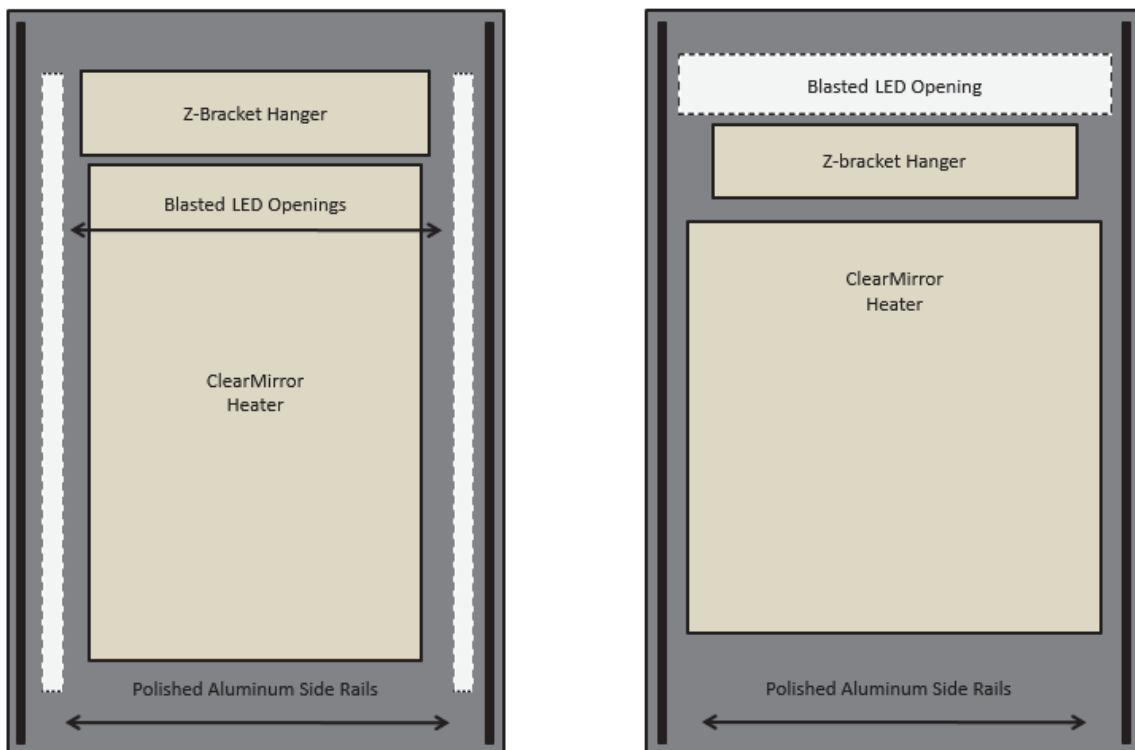


Figure 4. Overview of Mirror Back for Standard Offerings



**NOTE:** Polarity is not relevant - there are neither positive nor negative connections on the ClearMirror heater pad, nor are there any ground wires



**CAUTION:** Ensure leads are not stuck between the hanger and the Z-bracket and/or side rails.

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## CONNECT LEADS TO POWER SUPPLY

To connect the mirror lead wires:

1. Coming from the back of the mirror, connect one of the red wires to one of the power supply wires in your junction box using a wire connector.
2. Do the same for the other red wire and connect to the remaining power supply wire in your junction box using wire a connector.
3. Wrap wire connectors and wire with electrical tape and push excess into junction box.

## COMPLETE WIRING AND MOUNTING

1. Hang mirror on the Z-bracket hanger system. Use two people.
2. Turn on the circuit breaker and the switch for mirror power supply.
3. Test ClearLite fog-free heater by placing hand on mirror surface. Area will heat in 3 to 5 minutes. LED lights should turn on.



**NOTE:** Always use two people when moving and installing.

# IMPORTANT INSTRUCTIONS

## SAVE THESE INSTRUCTIONS

**Read all instructions before installing or using this heater.**

**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:**

- 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

- 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

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.
- Ensure that once mirror is hung it is firmly hanging from the attached bracket and that the bracket is still firmly attached to the wall. Use two people to hang mirror.
- Be sure that all excess wires are stowed in the electrical box and are not hanging outside of the protective area of the mirror.
- Use a lint-free cloth and lightly clean the surface. Never use chlorine, ammonia, 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 and other internal components on the back of the mirror should never be accessed and requires no cleaning.
- All other servicing should be performed by qualified service personnel. Call ClearMirror directly with any warranty or operational problems or concerns.

## GROUNDING

The components on this mirror use a 120-volt power supply. The cord (leads) exiting the back of the mirror assembly are 14-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**

2861 Eagandale Blvd • Eagan, MN 55121 • 651.251.9036

ClearMirror.com