



A BRIGHT IDEA, INC.

# FOG FREE REFLECTIONS

## In-shower Low Voltage Installation Instructions

Tools needed for Installation include: screwdrivers, a sheetrock or wonder board knife (to cut an access hole), four safety approved fasteners (wire nuts).

Typical installations utilize an open area between tiles that measures 7-8 inches across by 14-16 inches tall. This can be reversed in a horizontal (i.e. wide) tile application. In horizontal applications, the location of the access hole should be reversed accordingly to align with the defogger electrical cord connection. The wallboard area to receive the in-shower unit should be clean and free of mastic, grout or material that could affect successful adhesion of the unit or the tile to the wallboard.

- 1) Take out the Fog Free Reflections Mirror Defogger and adhere the unit to the mirrored tile to be installed in the shower wall using a non-heat base adhesive (*3M Splicing Tape Code 465 or equivalent is recommended*). Place adhesive on the outside of the defogger unit in order to adhere the defogger equipped mirrored tile to the wall with (horizontally or vertically) with the same adhesive used to adhere the unit to the tile.
- 2) Before the tile and the unit are in place, cut a small electrical access hole in the wallboard within the area to receive the defogger tile unit. For typical vertical installations (12 inches long by 6 inches wide) the hole should be centered along the left-right centerline and situated approximately 12 inches below the top of the defogger unit behind the mirrored tile (depending on the wall material). Please note that the hole should be located to lie directly behind the electrical defogger connection cord.
- 3) The access hole should be sufficient size to thread the electrical cord connected to the unit to the electrical box that controls either the light fixture or the fan. You may also install a separate flush box in the wall where the electrical cord from the unit enters the wall (this box would be connected to the circuit controlling the Mirror Defogger). Make sure that this box is protected from moisture and properly sealed with a silicone based caulking.
- 4) Run the electrical cord from the unit through the wall to the electrical box/circuit/switch to be used to control the Defogger. Thread the cord through the access hole and connect the electrical cord attached to the unit using the transformer provided two approved fasteners (wire nuts) by connecting the "Hot" and "Neutral" from the transformer to the "Hot" and "Neutral" in the electrical box using two additional approved fasteners (wire nuts). Remove the tape from the back of the transformer in the electrical box and adhere the transformer to the back or side of the electrical box.
- 5) Install the mirrored tile. The tile should be set flush with the other tiles and then secured in place on all sides with a silicone based caulk to insure a water tight seal.
- 6) Reinstall the Light Fixture and/or electrical cover plate over the electrical box (per code).

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