

CALESCO Mirrorheater

Installation Manual Bathroom Mirror Heater

Preparations

- Check that the size of the heater is less than the mirror. There should be at least 5 cm between the heater and the mirror on all the edges.

Warning!

It is not allowed to cut into or otherwise damage the insulation on the heater to adjust the size.

- Mark on the back of the mirror where the heater and the connection should be. Remember that everyone in your family should be able to enjoy this product.
- Bathroom mirror heater must not be used on mirrors with cardboard or copper foil on the back.
- The Bathroom Mirror heater will expand the mirror, make sure the mirror does not sit flush against the surrounding walls, (min 5mm around toward fixed item). If the mirror is integrated into a tile wall, elastic joint material should be used.
- If the mirror is fixed with screws, there must be rubber bushings so it is not fixed clamped, otherwise cracks may occur.
- Make sure that the mirror is clean and dry. Clean the backside of the mirror with the alcohol in order to assure that the heater adhesive will adhere well.
- Bathroom Mirror heater is complying with IP 57. However, it is not allowed to mount the mirror heater in the direct vicinity of the shower head. The distance should be at least 1 m from the shower.

Electrical connection

The electrical installation must be performed by a qualified electrician and performed according to the local rules and regulations applicable in each country.

The power must be shut during installation of the heater.

- The installation shall be equipped with a GFCI, 30mA max.
- Mirror heater must be preceded by double pole breaker with a minimum of 3mm break away or according to the local rules for fixed installations.
- The part of the connection cable that is not protected by the mirror needs to be covered with a cable channel.
- The power cord may not be replaced. If damaged the heater should be discarded.
- The connection cable should be connected to the fixed grid in a box or similar provided with a strain relief.

- If the mirror has a metal frame it must be grounded. Ensure that all parts of the framework are connected ground.
- If the mirror is mounted directly against the wall you need to mill a groove for the wire and cable connection so that the mirror remains plane.

Heater attachment to mirror

1. Lay the mirror on a floor with a thin carpet. Avoid pressing on the mirror or walk on the mirror during the assembly process.
2. Pull away release paper from the area near the cable connection.
3. Fasten the heater on an approximately a 5cm strip, make sure the cable connection is where it should be. Apply gentle pressure on the strip by hand.
4. Pull the remaining release paper and press gently the adhesive towards the mirror with a soft brush or a roll of clothing items wise roll. Make sure there are no air bubbles. For large heaters, this is definitely a 2 man job.

Warning!

Should air bubbles occur, it is forbidden to poke holes in the heater because it may pose **a risk of personal injury**. If so, try to gently loosen the heater and try to apply the heater again.

5. If the mirror is placed directly against the wall, you may simplify the marking of were to make the cut out in the wall for the cable. Paint the connection cord with some colour. Then "test mount" the mirror and gently press on it so that the colour is transferred to the wall to be adjusted.
6. Cut a groove in the wall deep enough for cable and connection before the correct assembly of the mirror is done.
7. Re-mount the mirror and connect the wires.
8. Connect the power and enjoy mist free mirror!