

a quick guide to sconce mirror cutouts

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Sconces and other lighting fixtures installed on mirror is a beautiful, innovative trend in modern designs we love to bring to life. Even when the final look boasts simplicity, the behind-the-scenes work has a meticulous process.

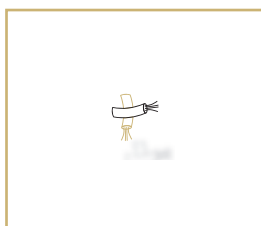
Let us start by saying the obvious. Light fixtures are not made to mount on mirror.... Mirror is not made to be mounted behind light fixtures, nor made to be installed in front of electrical boxes... Electrical boxes are not made to have mirror sandwiched between it and the light fixture base.

With that being said, we *are* able to safely **AND** successfully install sconces on mirror when the contractor, electrician, designer, customer, and our team as glass professionals all work together!

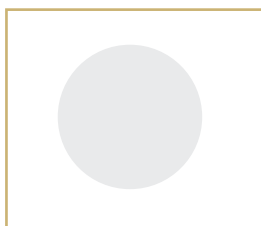
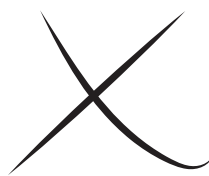
There are many intricacies of the mirror cutout customization process. We've listed the essential requirements involved in seamlessly integrating your lighting fixtures into mirrors. This information will be useful for contractors, designers, *and* electricians.

1. A LITTLE PREP WORK

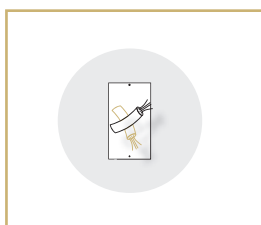
Prior to our Sales team member measuring the space, please be sure the wall cut out **AND** the electrical box(es) are completely installed.



Wires Hanging
Out of the Wall



Drywall Hole
Cut Out Only



Hole Cut Out **AND**
Electrical Installed



2. LET'S SEE YOUR SCONCE

When possible, please have your sconce on the job site when we come out to measure the space. This will help us notate where the screws will be placed and where to precisely make our cuts.

**SCONCE SPEC SHEET IS ACCEPTABLE BUT NOT PREFERRED.*

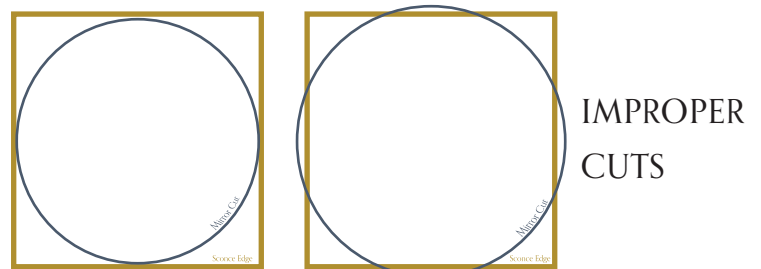
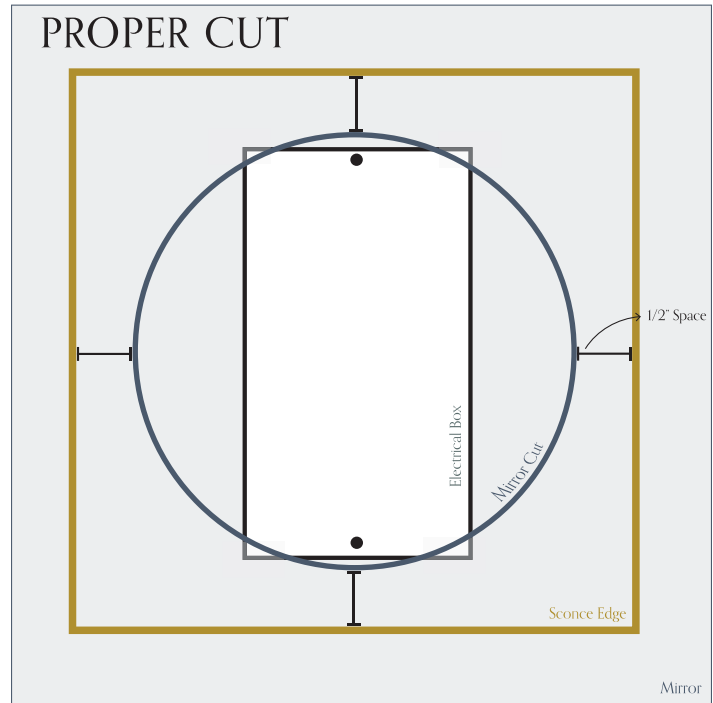


3. MINIMUM HOLE SIZE

To ensure the sconce fully covers the mirror's hole, we have to leave **at least 1/2"** between the edge of the hole and the edge of the sconce base plate. (see "Proper Cut" diagram)

This 1/2" clearance guarantees the hole will not be visible when you look from any side of the sconce once it is mounted. (see Proper vs Improper Cut Comparison photos)

Because of this, you may not be able to screw the mounting plate to the sconce with the normal holes in the light box. **Since we are limited by the size of the sconce base plate**, we're not always able to expose those holes.

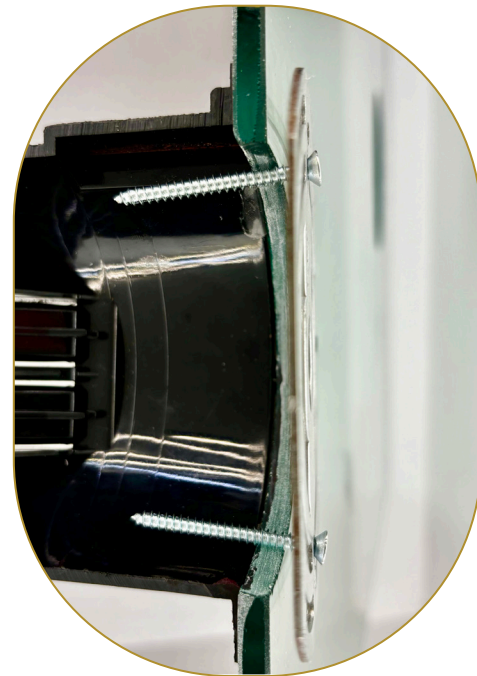


4. MOUNTING THE LIGHT (FOR ELECTRICIANS)

Mirror is made of glass and *will* break. It is most vulnerable to breaking on the edge. When we cut holes in mirror, we are creating another edge, thus, creating a vulnerability where the light will be mounted. **Special care must be taken when you screw down the mounting plate over the box and the mirror.** Only use hand screwdrivers to tighten it down. **NEVER** use powered screwdrivers. If/when the mirror breaks, the crack ALWAYS starts near the base of a screw that was tightened too tight with a power drill.

Screws should be tightened just enough to hold it gently to the mirror. No more. If you tighten pass this point, the mirror will break... *EVERY* time.

Since the mirror hole size we cut is determined by the sconce base, you will not always be able to mount to the normal mounting holes on the light box. Sometimes, you will have to use the other slots in the base plate and go through the **back of the box with 3" screws** to get the base plate mounted.



M&M Glass always strives to bring your visions to life and we are happy to work with the homeowner, contractor, designer and electricians to safely and efficiently achieve that goal.

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