

M4LED.com RETROFIT INSTRUCTIONS

P/N RETROFIT-12-5630 fits ITC 69231 and other Fixtures

DISCLAIMER: To install these retrofit lights, you will be replacing the LED module within your existing light fixture. You will be cutting and splicing wires that will void your warranty on your original light fixture. Though this is an easy rewire, if you are not comfortable with basic wiring, please seek a professional's assistance. M4 shall not be accountable for any damage to the existing light fixture or damage caused by shorts, loose wires, or mis-wiring. If you do not want to alter your light fixture, **STOP NOW**.



1. Turn the power off to the fixture. It is recommended to shut off your Main Battery Switch. Remove the lens cover by turning it 1/8 of a turn counter clockwise and pulling down.
2. Remove the light fixture from the ceiling. Fixtures may be held in place by screws (visible on the flange if present) or spring clips on the back of the fixture (or both). To remove a fixture with spring clamps, you need to pull downward firmly on the fixture and the spring clamps will spread and come through the hole in the ceiling. Be aware that once they clear the ceiling they will spring with force back into their original position (like a mousetrap, watch your fingers).
3. The fixture may be wired to the coach in several ways. Use your discretion and detach the fixture from the ceiling. If using wire cutters, leave as much length of wire coming from the coach as possible to make it easier to reattach and reinstall the fixture.



4. Move the fixture to a clean work table. You will be removing very small screws that are easy to lose, work in an area where if dropped they can be easily found.

With the fixture removed, you will next remove the wire support strap on the back of the fixture. A small #1 Philips head screwdriver will be used on all screws, if you have a magnetized one it is even better.

Regain the strap and screws, they will be reinstalled after the new Module is in place.



5. After removing the strap, note that there is a small paper protective piece that wraps around the edge of the metal. Note its location, it will be reinstalled in the same location later.

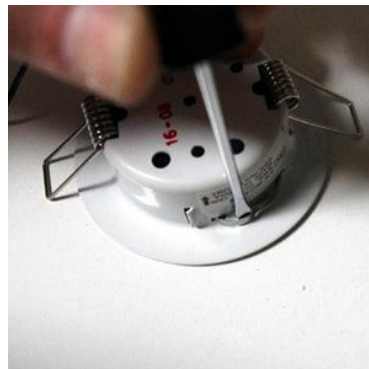


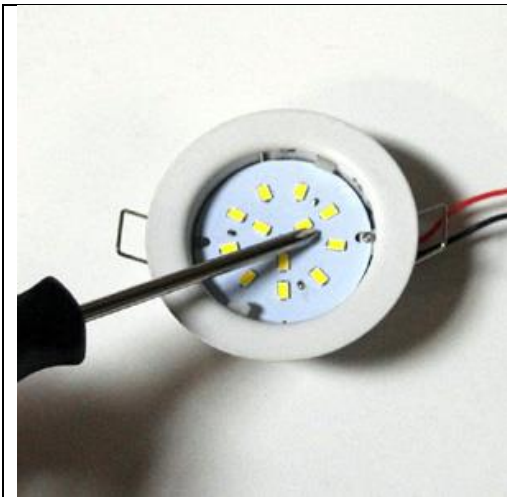
6. Remove the two retaining screws that hold the existing plate and dish to the fixture. Retain these screws, they will be re-used.

Pull the dish from the existing fixture. Feed the wires in from the back of the fixture as you remove the dish.



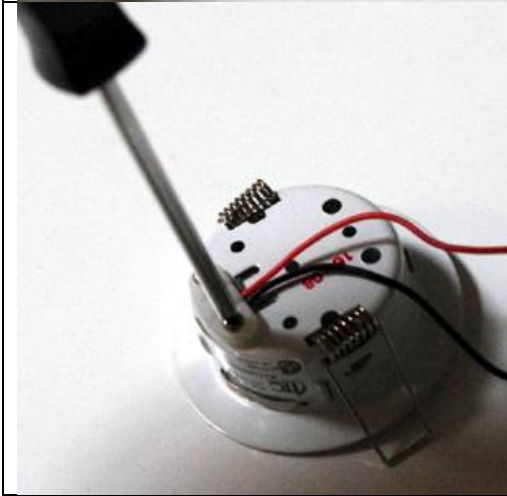
7. You will now install the new plate into the fixture. Feed the wires through the back of the fixture using the same hole as before. When installing the plate, it may hang up on the small white clips that hold the fixture glass in place. You can push one clip back with a small flat screwdriver to get the plate past, or pull it from the outside edge as pictured below:



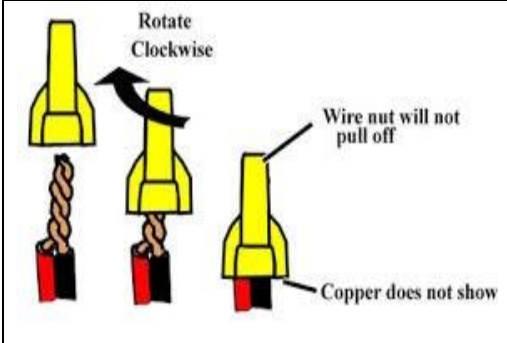


8. Replace the existing screws into the fixture. These screws only need to be snug.

WE HAVE FOUND SOME FIXTURES HAVE SMALLER HEADS ON SCREWS, ADD SMALL WASHERS IF NECESSARY.



9. Reinstall the paper edge protector, then the wire retention strap to the back of the fixture.



10. Reconnect the wires from the fixture to the coach. You may use the included blue wire nuts, or alternatively, you may use crimp connectors or solder and heat shrink. If soldering, ensure heat is not travelling down the wires to the LED circuit board.

11. Test the lamp prior to installing it into the ceiling. Once tested, turn the power back off and install the lamp into the ceiling. For Spring Clip installation, pull the spring clips as far back and together as possible behind the fixture, slide them into the ceiling hole, and slowly release them and push the fixture into position. Reinstall your lens cover to the fixture but pushing it up and turning it 1/8 of a turn clockwise.