MICRO 1, 2, 3

REMOTE 220mA, 200mA & 350mA

installation instructions

INSTRUCTIONS PERTAINING TO RISK OF FIRE OR INJURY TO PERSONS. READ ALL INSTRUCTIONS. IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

DANGER - RISK OF SHOCK - DISCONNECT POWER BEFORE INSTALLATION! Please read all instructions before installation.

- Keep these instructions for future reference.
- Must be installed by a qualified electrician in accordance with national and local standards. Designplan is not responsible for fixtures installed without regard to these standards.
- The main power connection must be in accordance with local electrical codes.
- Unauthorized alterations or tampering of product voids warranty.
- Suitable for INDOOR applications.





IP20

Electrical Connections:

- LED lights must be **connected in series** respecting polarities.
- **CHOOSE POWER SUPPLY ACCORDINGLY**. Please consider the voltage through which fixtures are fed as well as the max power consumption.
- **Connect power only if all fixtures are connected.**
- The power supplies MUST be installed in aerated rooms, far from heat sources. Overworking or lack of air circulation will not permit natural dissipation.
- The electronic power supply is current-stable, therefore it partially compensates the voltage-drop problems related to the cable length; we suggest not to exceed 100 ft.
- Use only Class 2 type electronic power supply.
- Never use switches on secondary circuit.

ATTENTION: **For Ceiling -** It is the contractor's responsibility to caulk around all the edges between the fixture and the mounting surface to satisfy wet label requirements.

Maintenance

Scheduled maintenance must be carried out once a year on all lighting devices, regardless of appliance class and type of use. It must include the following operations:

- Periodically clean fixtures to remove dirt from gratings and screw heads.
- Check tightness of screws on various parts of the device.
- Check that all cable glands and cables are intact and tight. Check that the glass or plastic lens is intact, and replace it if broken or damaged.
- The internal components such as the ballast, driver, washers and screws must not show clear signs of oxidation or rust. Clear traces of rust and oxidation will indicate the presence of water inside the device.
- In the case of damage, the components must be replaced by original components or spare parts.

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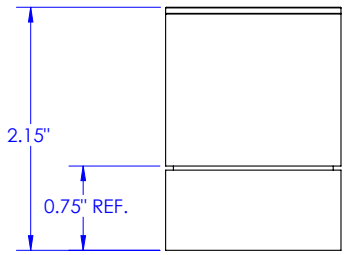
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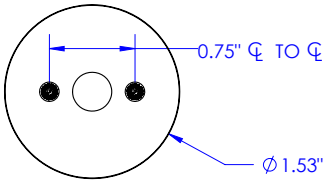
MICRO 1, 2 & 3

REMOTE 220mA, 200mA & 350mA

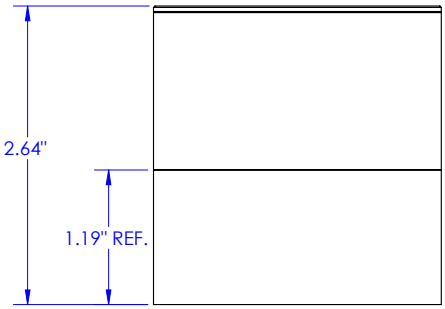
installation instructions

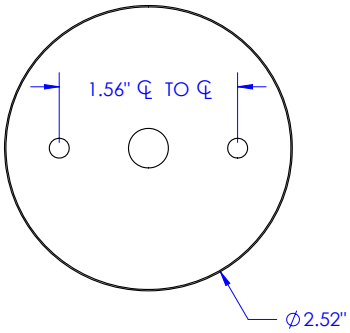
FIXTURE SIZES:



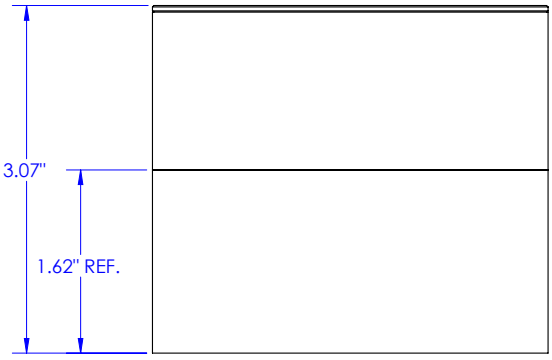


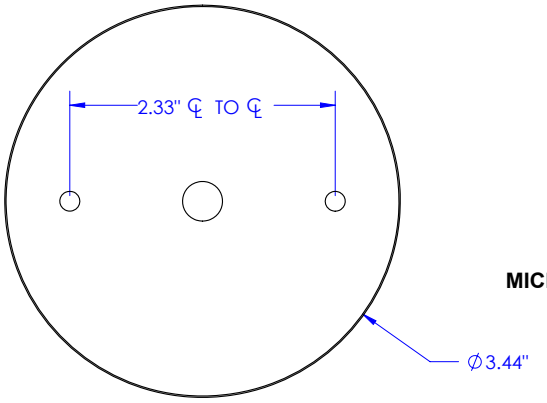
MICRO 1





MICRO 2





MICRO 3

FIXTURE ACCESSORIES PROVIDED:

(2 SETS) FLAT HEAD SCREWS with ANCHOR



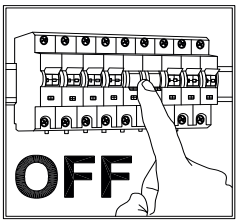


CENTER THREADED ROD WITH WASHER & LOCK NUT

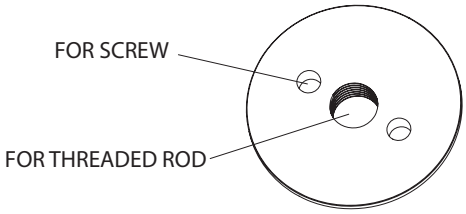
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INSTALLATION INSTRUCTION



- It is the contractor's responsibility to caulk around all the edges between the fixture and the mounting surface, to satisfy wet label requirements.
- It is the contractor's responsibility to install Remote Driver in a suitable electrical enclosure.



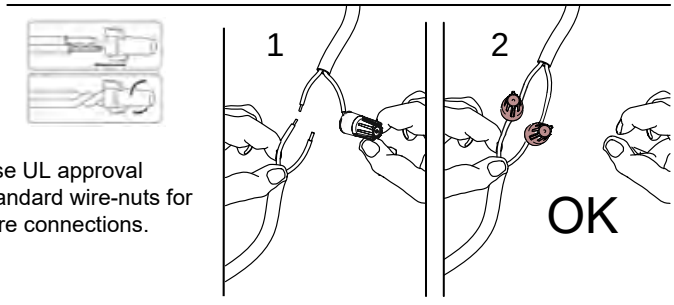
FIXTURE INSTALLATION

Surface Mount Installation (via (2) 6-32 screws)



- Position the fixture base onto the ceiling in designated mounting spot and trace the two support holes and center wire hole. Drill (2) pilot holes for # 6 screw in ceiling, spaced according by fixtures(see fixtures layout to be determined) and drill (1) oversize hole for the center threaded rod of wires to go though.
- Insert (2) #6 Screws (**SUPPLIED**) through the bottom of the top base and screw into the pilot holes on the ceiling.



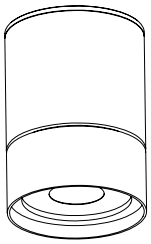


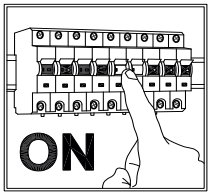
Use UL approval standard wire-nuts for wire connections.

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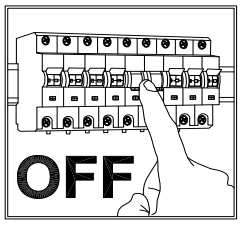


- Once top base is mounted to ceiling, screw in tube assembly to top base.



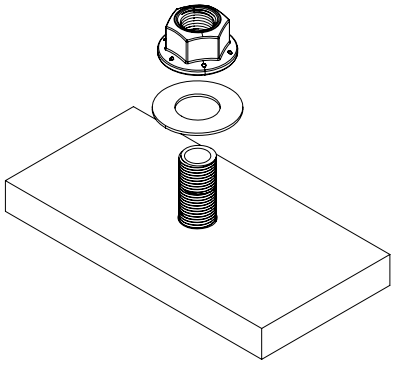


Surface Mount Installation via center threaded support (for top access only)









- Position the top cap onto the designated mounting spot in the ceiling and mark the location of the center hole.
- Drill (1) 1/8-27 clearance thru hole, as shown above, at the marked location.
- Screw in brass nipple through center hole in top base and through the ceiling.

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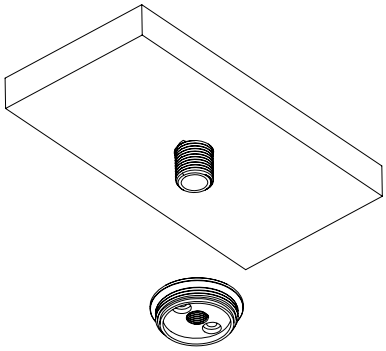
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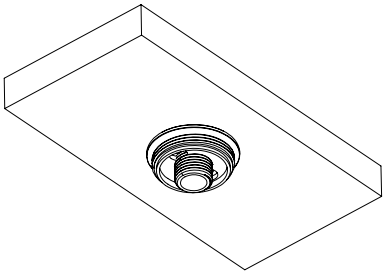
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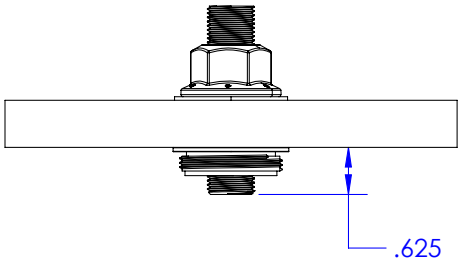
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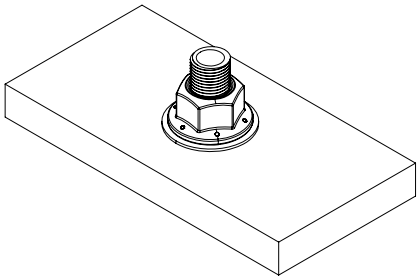
REMOTE 220mA, 200mA & 350mA

installation instructions

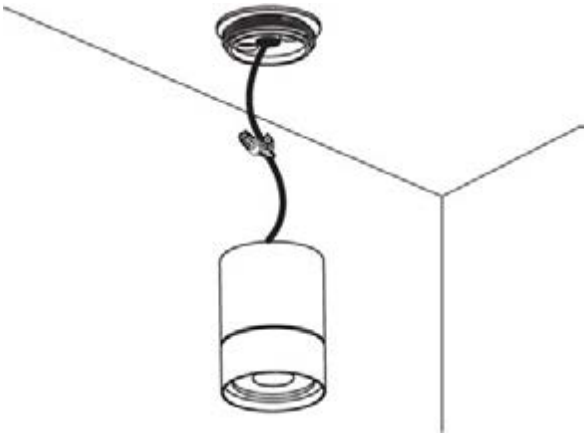




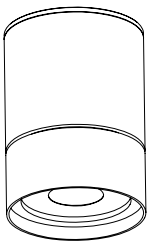


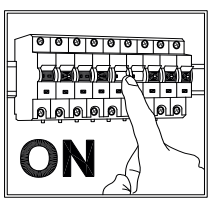


AS FINISHED SHOWN



- Once top base is mounted to ceiling, screw in tube assembly to top base.



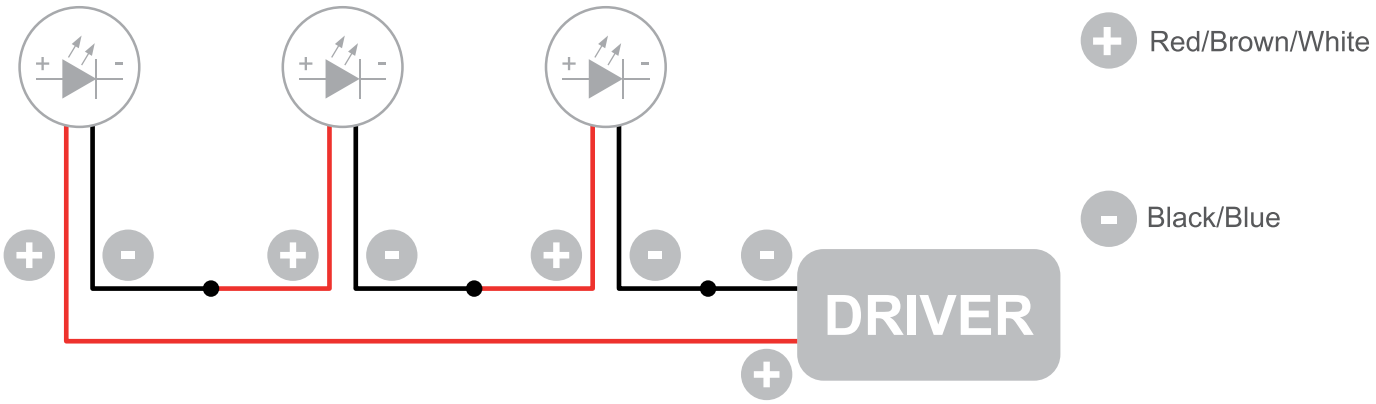


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Wiring Diagram

220mA, 200mA & 350mA
(Static White Series Connection)



The individual lamps must be connected in series.
Only power up the system once all the lamps have been connected.

- LED lights work at constant current. When choosing a power supply unit, you need to consider the current by which the LEDs are driven and their maximum power consumption.
- Only power up the system once all the lamps are connected. Connecting an individual lamp to an active power supply may cause the lamp to break due to over-voltage.
- The electronic power supply is constant current, so to a certain extent it automatically compensates the voltage drop associated with cable length; however, we advise not exceeding 100 feet.
- Lamps and power supply units must be installed in well-ventilated boxes or locations to allow a natural heat diffusion and avoid the devices overheating.
- On the power system, install a surge protection device to reduce the intensity of any voltage spikes to protect the lighting fixtures from the risk of damage.
- Fixture NOT suitable for covering with thermally insulating material.

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