



**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.
- Unauthorized alterations or tampering of product voids warranty.
- The main power connection must be in accordance with local electrical codes.
- Suitable for OUTDOOR applications.



**IP67 IK08**

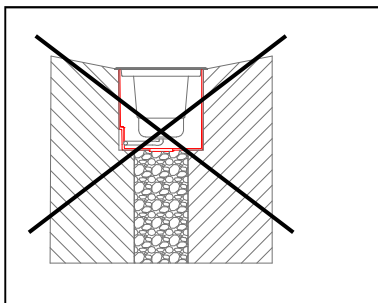
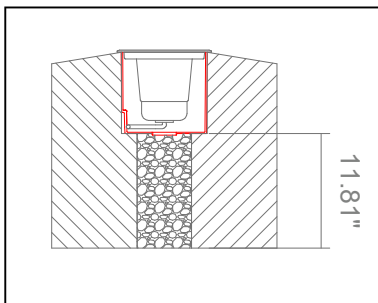
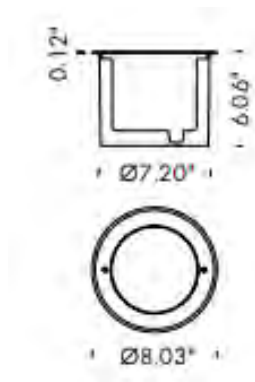
**ATTENTION:** For In-Grade - It is the contractor's responsibility to seal the conduit with "Great Stuff" aerosol seal that prevents water and moisture penetration for ultimate protection. Contractor **MUST** use gel-filled wire nuts.

## 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.

## FIXTURE DIMENSIONS:



## RECESSED IN THE GROUND

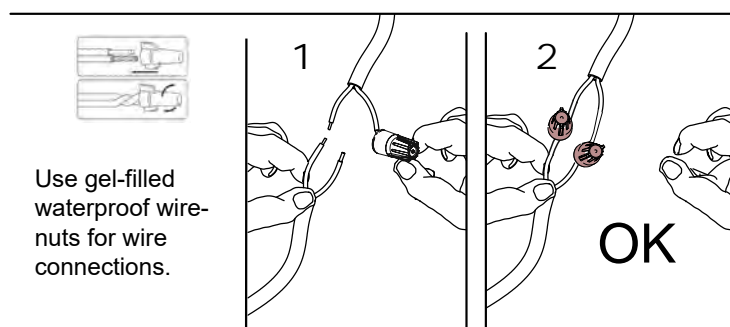
To put the junction box in the ground, the superior part must be outside from the ground about 0.39 in. in order to avoid direct contact between aluminum parts and the humidity and chemical element.

Also to prepare a drainage gravel to permit the drainage of water, as indicate by normative, within 11.81 in. minimum. Where it is not possible, you have to prepare a further drainage system under junction box.

Note: Never install the fixtures in the ground with wrong incline because this could be the cause of dirty deposit and permanent submersion of fixture. The parts of the fixtures are damaged owing to stagnation and aggressive chemical elements. The fixture must be protected from direct contact with the ground by the junction box in plastic material.

Note: In case of recessed of the fixture in the floor the junction box can be installed at floor level and the metal parts of the fixture must not be in direct contact with lime and slo must not be permanent stagnation.

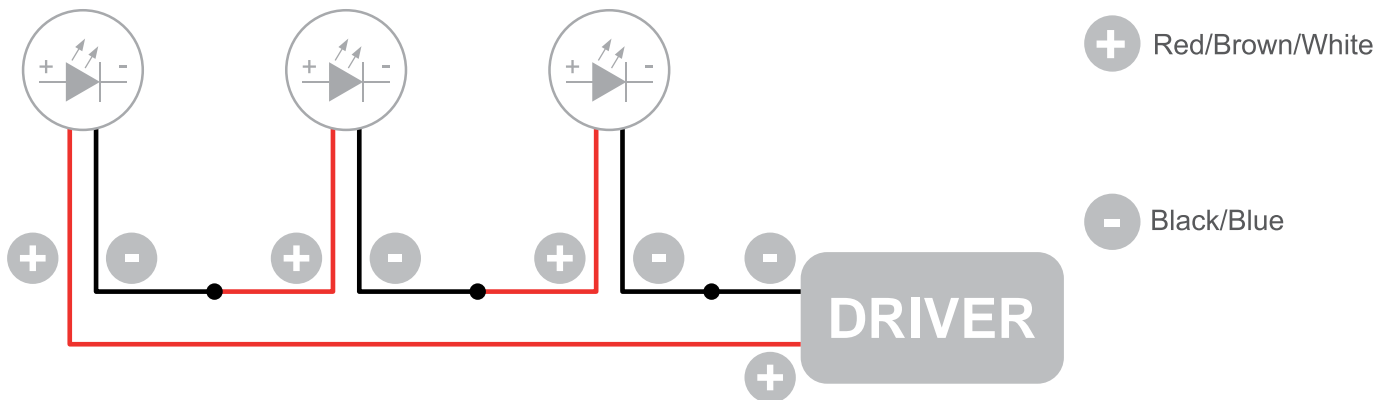
- It is the contractor's responsibility to caulk around the edges between the fixture and the mounting surface, to satisfy wet label requirements.



Use gel-filled waterproof wire-nuts for wire connections.

## Wiring Diagram

200mA  
(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.