



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 IP68 IK08

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 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.

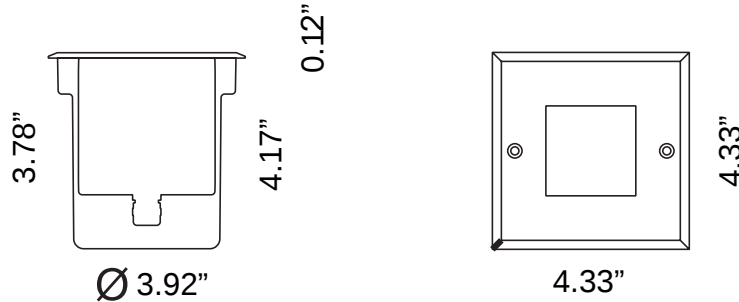
KOS RECESSED IN-GRADE UPLIGHT



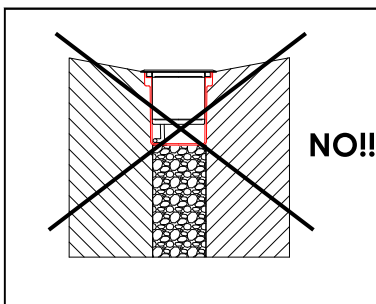
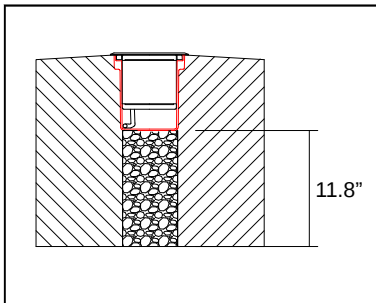
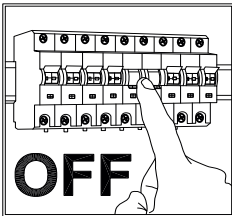
10W, REMOTE 500mA

installation instructions

FIXTURE DIMENSIONS:



FIXTURE INSTALLATION



RECESSED IN THE GROUND

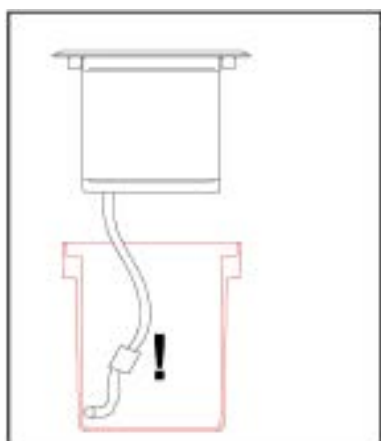
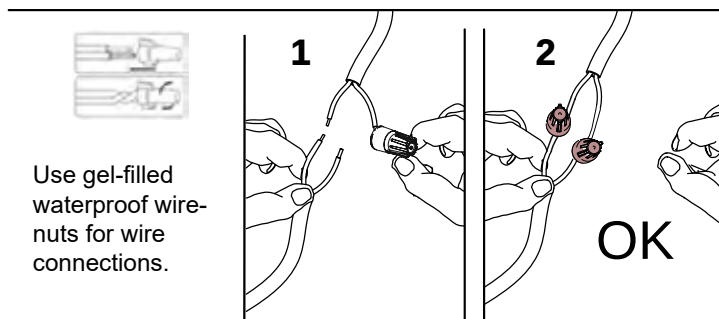
To put the junction box in the ground, the superior part must be outside from the ground about **0.2"**. In order to avoid direct contact between aluminium parts and the humidity and chemical element.

Also to prepare a drainage gravel to permit the drainage of water, as indicate by normative, within 30 min. 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 also 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.



Attention! Do not cover the luminaire with thermal insulating material or similar.
Electric connection by connector IP67 or IP68.

To avoid condensation or infiltration of water inside the luminaire, to use watertight diving-boxes IP68 between our pre-assembled cable and feeder of installation.

