



**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.



**IP66 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.

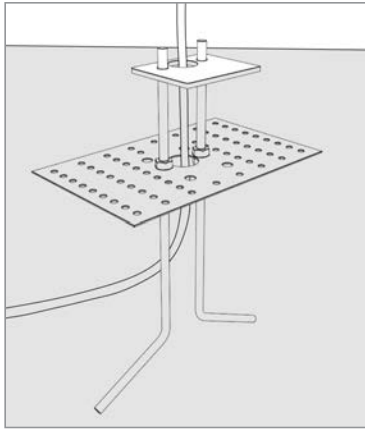
# KRAN M-01, M-02, M-03

5W, 10W, 15W, INTEGRAL 120VAC

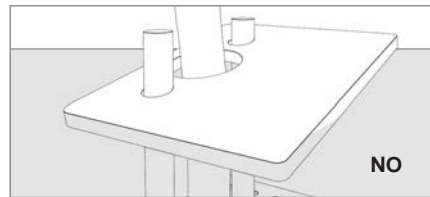
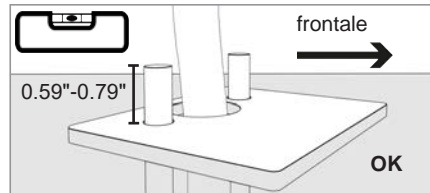
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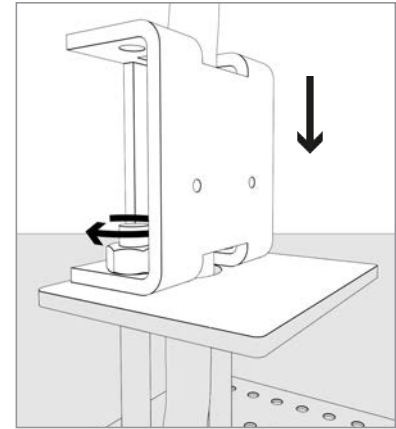
## ANCHOR BOLT POSITIONING :



Cement the anchor bolt flush by passing the cable through the appropriate openings

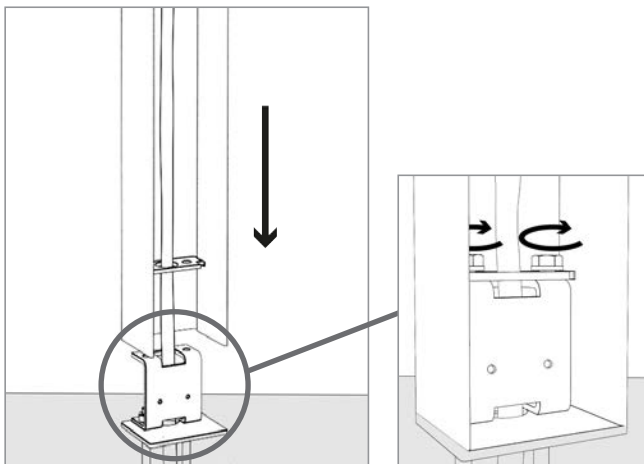


Check that everything is perpendicular to the bubble level of the surface, an incorrect positioning will cause the device to become unstable

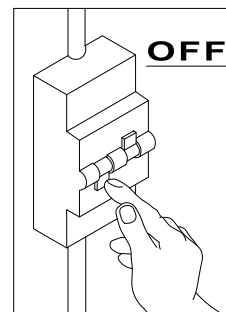


Insert the bracket and lock the bolts with a CH10 10Nm key

## DEVICE INSTALLATION :



Insert the device body on the bracket and lock the bolts using a CH5 10Nm key



- It is the contractor's responsibility to install Remote Driver in a suitable electrical enclosure.

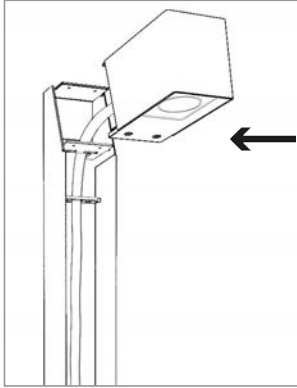
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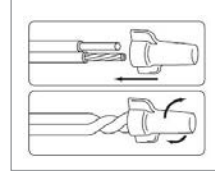
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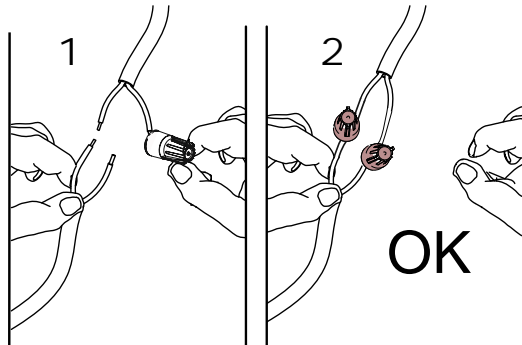
## CABLE WIRING :



Insert the device body and lock using Torx T9 key for upper screws and Allen key size 0.10" for lower screws

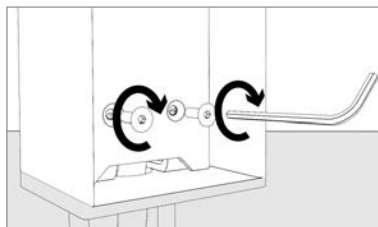
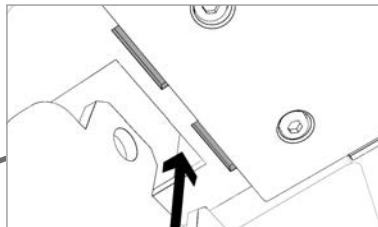
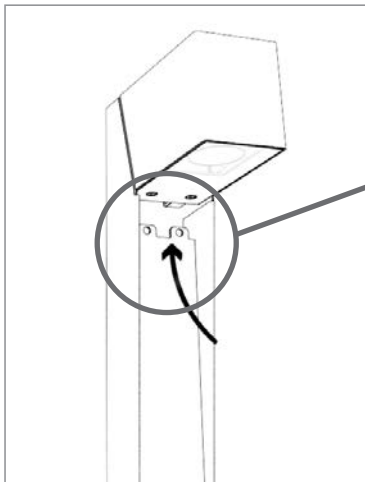


Use gel-filled waterproof wire-nuts for wire connections.

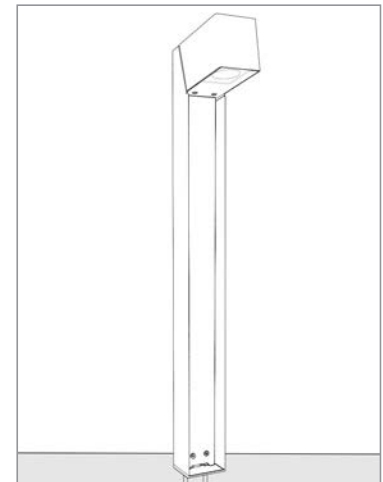


- It is the contractor's responsibility to caulk around the edges between the fixture and the mounting surface, to satisfy wet label requirements.

## DEVICE INSTALLATION :



Slide the cover into the spaces provided behind the device and lock using a allen key



Correctly installed devices