



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.

Electrical Connections:

- LED lights must be **connected in parallel** 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 the 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.
- Use only Class 2 type electronic power supply.
- Never use switches on secondary circuit.



IP68 (TO 9.84 FT)

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.

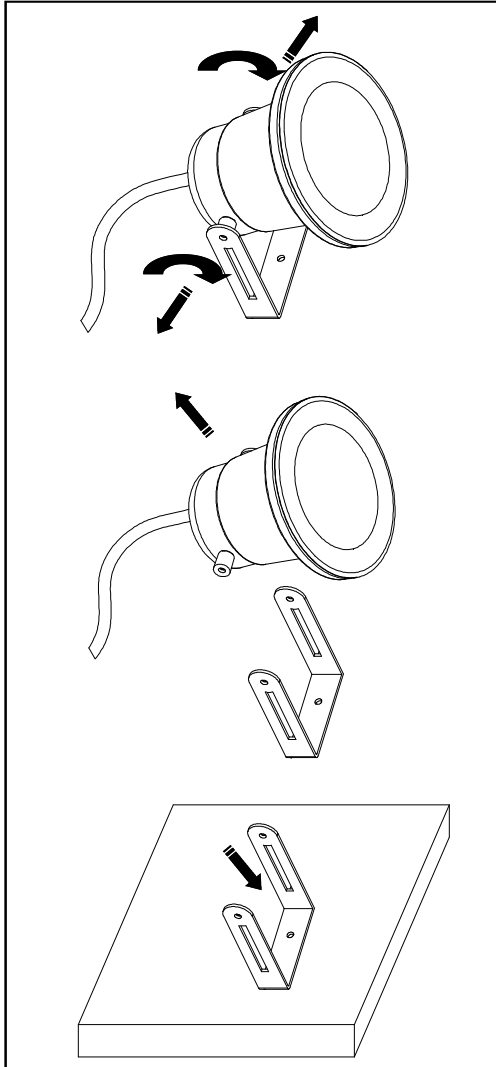
Maintenance

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.

GENERAL INSTRUCTIONS

The safety of fixture is guaranteed only when it is used in accordance with following instructions, therefore it is necessary to keep them. Eventual tampering, transformations of fixture and wrong installations cause the loss of every guarantee. Before carrying out any installation or maintenance procedure, switch the electric power off. THE FIXTURES ARE SUPPLIED WITH TRANSFORMER. THEY MUST BE USED CORRECTLY.



INSTALLATION

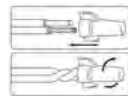
Fixing of bracket

Remove the two screws on the bracket in order to remove the fitting from the bracket.

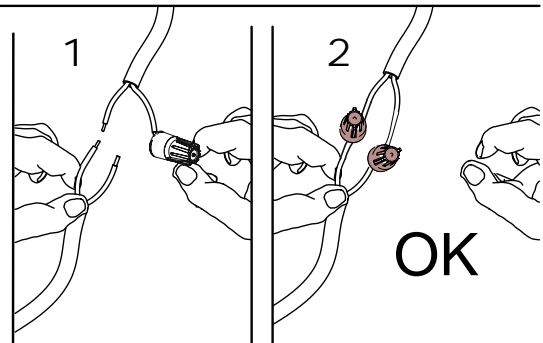
The to fix the bracket on the surface using screws with diameter 0.16" by the hole in the middle of the bracket.

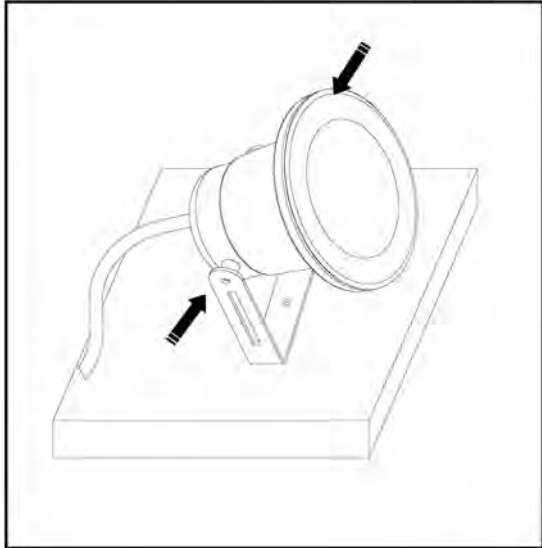
Note: during this operation it is important to not touch the closing screws of the ring to avoid compromising the waterproof fitting

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



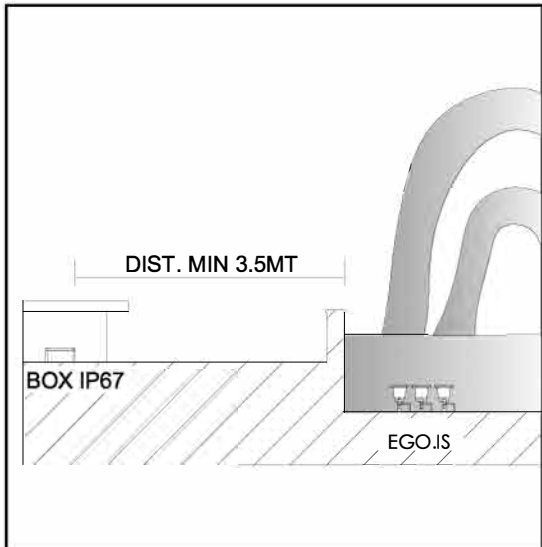
Use gel-filled waterproof wire-nuts for wire connections.





Fixing product

To re position the fitting on the bracket by the two lateral screws on the product.

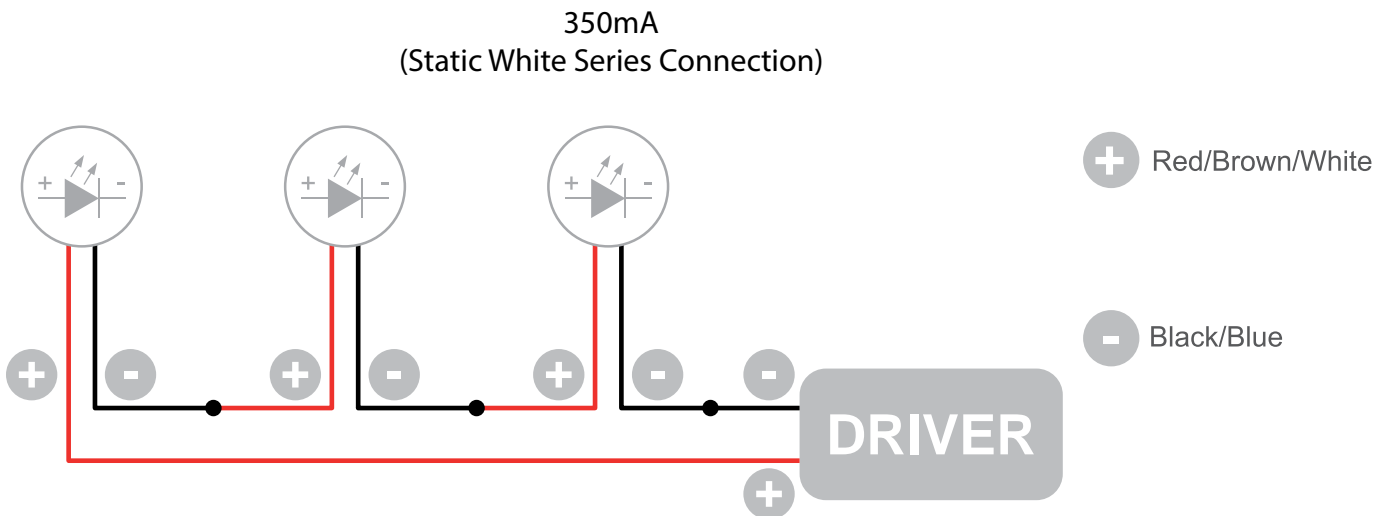


Position of control gear

As regards the position of control gear please follow the relative normatives electro-technique for the installation. We are giving you some specifications:

- to install in remote position, minimum 11.48 feet of distance from water.
- control gear has IP67 of protection and it must be kept dry; temporarily (max. 30minutes) it resists to eventual submersion.

Wiring Diagram



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.