

BoscoLighting Inground Light Installation Instruction

Introduction

Thank you for choosing BoscoLighting products.

This document aims to guide a qualified installer or electrician in installing of this product to ensure correct function and safety. Note by Law, certain electrical works must be completed by a licensed electrician. Each State maintains their own licensing system, for more information see www.erac.gov.au/index.php?Itemid=516.

Warranty

Your BoscoLighting light fitting is covered by a 3 year warranty. Please retain proof of purchase or register your purchases by sending an email to warranty@boscolighting.com.au by attaching a copy of your purchase invoice, details of the end user (name, company, phone and address) and electricians company and electrical license number.

Warranty will be void if there is any damage due to improper installation, modification to the fitting except from the standard issued parts and features or used for purposes other than the intended purpose and safety precautions and warnings had been disregarded, site issues like voltage surges, vandalism or rodent damage.

Safety Instructions

- First and foremost, do not install or operate the fitting if it appears to be damaged in any way. Please inform your local supplier or send an email to warranty@boscolighting.com.au as stated on the warranty section of this document.
- This product should only be installed by a qualified licensed electrician.

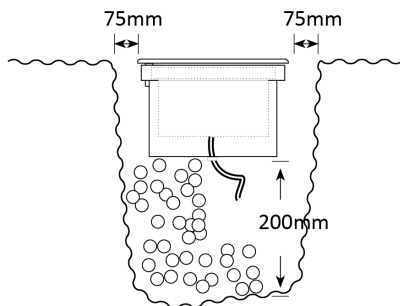
- Before installation, check the installation location in the ceiling if it has an access to a socket outlet which is connected to a wall switch. If it does not, a socket should be installed on a lighting circuit according to electrical standards by a licensed electrician.
- Turn off the fuse/circuit breaker that controls the power to the area or fixtures that you are working on. Turn off as well the light switches on your wall and do not forget to test the electrical wires for voltage presence before you start working to avoid unexpected electrical shock.
- Boscolighting's inground lights can be customized to run from AC240V or DC24V. If you will be using AC240V to power the inground light, please check current guidelines for specifics related to depth of burial, conduit and wiring requirements and other specifications. We also recommend proper insulation of cables and connections for DC24V fittings to ensure longer lifetimes for light fittings and drivers.
- Please also refer to the voltage drop and wire sizing chart since it is important to choose the correct wire size for any specific application for it is dependent with the voltage drop, resistance, amperage rating and environment. Also use direct burial cables for wiring which are rated for outdoor/underground use.
- Create a wiring layout/plan for the installation on the area where you will be placing the inground lights and create a map on where you installed the wiring for reference on your future projects.

- Ensure trench meets depth requirements as stipulated by electrical codes and indicator plastic tape is flat and placed above conduit. Ensure conduit is adequately sealed and gravel surrounds conduit for proper force dispersion and to allow ground movement.
- BoscoLighting's Inground Lights are rated IP67 and are not designed to be immersed in depths of water greater than 1m and over a prolonged period of time. We have specific products for underwater application as shown in our website.
- Use proper electrical protective gears and electrical tools during the installation.

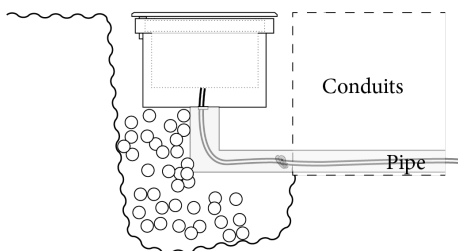
Installation Instructions (Soft Ground)

STEP 1: Dig trenches* for the wiring plan and a hole which is approximately 150mm wider than the diameter of the inground light canister and 200mm deeper than the height. Insert the whole light fitting into the hole, fill a certain gravel to hold the light in place.

* Remember to consult local code for trench depth requirements.

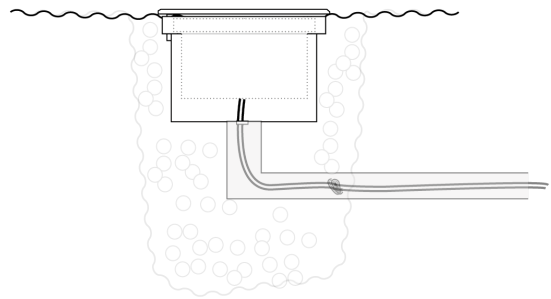


STEP 2: Connect the power plug onto the power supply socket. Put the LED driver into the ceiling and carefully insert the LED recessed downlight on the created hole holding the clip pointing upward.



STEP 3: Backfill the hole and conduit with pea gravel. Make sure also that the light fitting is level with the ground before filling the hole with pea gravel for a secure fit and proper drainage.

* Make sure that the screws on the light fittings are tight and double check the connections before turning the power on.



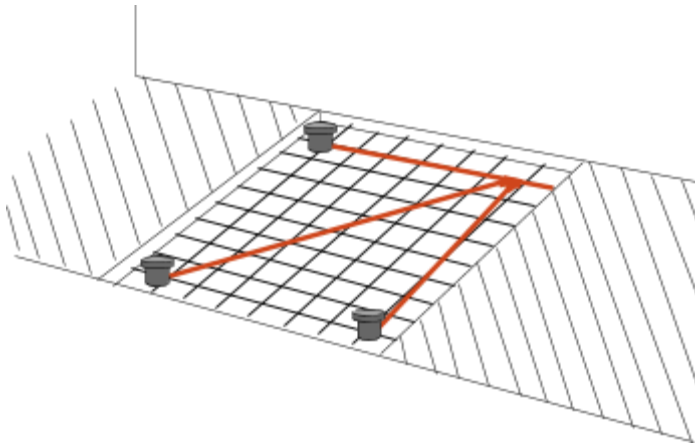
Maintenance

- Make sure that the power to the LED recessed downlight has been turned off and has given the time to cool down after being used before you start of cleaning the lighting fixture. Cleaning must be done at interval schedules to ensure to have a better lighting.
- Use damp clean cloth to wipe the dirt that adhered to the light fitting. Never try to immerse the light fitting in water.
- Use static free gloves when cleaning the luminaire to avoid markings.

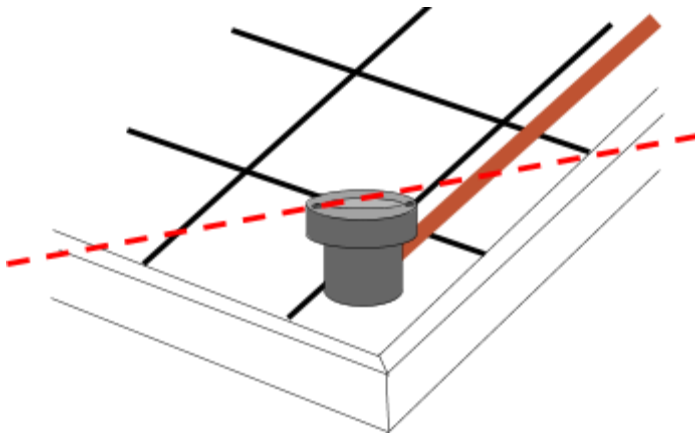
Installation Instructions (Concrete Pour)

STEP 1: Separate the inground light canister from the light by removing the screws on top of it. Remove the top ring and then the light.

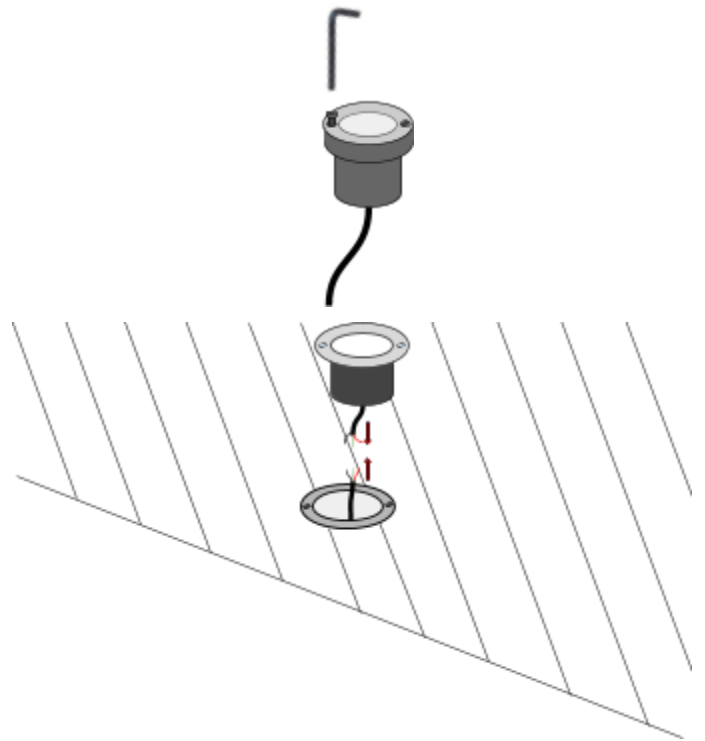
STEP 2: Place the electrical conduit/fitting with wiring as well as the inground light canister/s as per the design layout position.



STEP 3: Before pouring in the concrete mix, make sure that the opening edge of the canister is level with the concrete surface plan. If it is low, water will accumulate on top of the inground light. If it is too embossed, it would look unpleasant and someone might stumble from it. You need to cover the top of the canister as well to keep off the concrete of getting inside.



STEP 4: Once the concrete has cured, connect the inground light wirings and insert the light fitting into the canister. You can put some rubber silicone to the o-rings and other areas on the fitting that the water might get through for added water protection and make sure that the screws are tight. Double check the connections before turning the power on.



Maintenance

- As time goes by, the glass cover of the inground light might get blurry due to the result of hard water spots, stains and deposits. You can remove these by using glass cleaning materials which you can get from your local hardware stores.
- If you see some moist from inside, turn off the power that supplies the light fitting and remove the glass cover. Let it completely dry and inspect the light fitting to where the water found its way from outside. You may use rubber silicone to block those areas as well as apply a small amount on the o-rings then reassemble securing the screws tight.
- Cleaning must be done at interval schedules to ensure to have a better lighting. Use static free gloves when cleaning the luminaire to avoid markings.

Disclaimers

- BoscoLighting is not liable where :
 - There is product malfunction and or any damages caused by improper use or installation.

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- Lights found out to be tampered with or have been tried to be repaired apart from the supplier/maker during the warranty period shall void the warranty of the product. Hence, any damages caused by the said act will not be BoscoLighting's liability.
 - For any dimming requirements, drivers may not fit within the fitting and shall be supplied with an external driver.
 - Products are not compatible with all available dimmers. Ensure correct dimmer type is specified with order and product is supplied to suit.
 - Old style Rheostat dimmers are incompatible with LED products, warranty will be void if used on circuit with BoscoLighting products.
 - Off-Peak Zellweger Ripple Control Signals may interfere with the operation of LED products, we recommend using Ripple Control Signal Filters as approved for use in your local area.
 - BoscoLighting has the right to modify or obsolete the design of its products for quality improvement or due to supplier constraints.
 - Products may appear different to product data sheets or installation instructions.
- Installation has not completed by licensed electricians.
 - Safety instructions have not been properly followed.
 - Damage due to site issues such as voltage surges, rodent damage or vandalism.