



BERTHA GROUND LIGHT INSTALLATION GUIDE

TYPE: 09200, 09201

INSTRUCTIONS FOR USE AND INSTALLATION

GENERAL INFORMATION & TECHNICAL SPECIFICATIONS

- 230V ~ 50Hz
- Class I
- GU10 porcelain lamp holder
- Not intended for mesh connection.
- Intended for connection to fixed wiring.
- 3G1.5 power cable should be used for the connection of the light fixture.
- Power cable not included.

GENERAL INFORMATION ABOUT SAFETY

- Before any work turn off the mains supply.
- Installation should only be carried out by a qualified electrician, who should be aware of the current Regulations on Internal & External Installations.
- In case of glass breakage, replace immediately.
- Lightbulb Wattage should never exceed the Wattage (W) indicated on the label or the packaging of the light fixture.
- The product should be connected to a line protected by a differential current circuit, while the nominal persistent operating current should not exceed 30mA (leakage relay).
- Whilst recessed ground lights are designed to withstand outdoor elements, including rain and moisture, they are not designed to be submerged underwater. This will irreversibly damage your ground lights.

Address: Navigator Lighting (part of Lampfix) Unit 6 Fen End, Stotfold, Hitchin, Herts. SG5 4BA

Tel: 01462 731173 | Email: sales@navigatorlighting.co.uk | Website: navigatorlighting.co.uk

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Included in the package:

1 Light fixture

LIGHT FIXTURE INSTALLATION

Step 1: Find an appropriate place to fit your ground light

The first step to installing ground lights is deciding where you plan to fit them.

Recessed ground lights look great in several places. You can strategically plant them along your garden path, install them as driveway lights, or place them along your decking for the ultimate outdoor setting.

Wherever you choose to install your ground lights, it's important to scope out the power supply and consider how they will reach your fixtures. Some lighting fixtures also have additional control units that need to be considered. For example, lights with colour-changing features may have extra wires to consider.

Step 2: Plan the positioning of your ground lights

There is no one-size-fits-all option for the perfect positioning of ground lights. However, we'd recommend installing them around six to eight feet apart to ensure that your pathway or driveway remains well-lit.

If you'd prefer a brighter walkway, you can position your ground lights closer together! This is also a great way to make a statement and highlight unique focal points in your outdoor space.

Step 3: Consider the ground in which you will fit your ground lights

Once you have scoped out your power source and the placement of your recessed ground lights, you will have to consider the ground material in which you will fit your light.

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If you plan to install your ground lights in soil or decking, you must ensure that you buy watertight wires. This will protect your fixtures from moisture and damp weather conditions.

If you are planning to install ground lights in stone or concrete, you might need to think about hiring a professional digger. It will also be more difficult to access the cables, so you must ensure that you are properly prepared to combat this.

Different materials will require different tools and preparation, so it's essential to think about this ahead of time.

Step 4: Dig the holes for your recessed ground lights

The diameter of the hole should be 6 inches larger than the diameter of your lighting fixture, whilst the depth should be around 8 inches deeper than its height.

Once you have dug the hole, you must also ensure that you will be able to run the wire through that will connect the lighting fixture to the power supply.

Step 5: Install ground lights cable

Once you have created the spot where your ground light will reside, the cable from the power source needs to be connected.

To successfully install the cable, you will first need to install some conduit underground. Conduit is a tube popularly used to protect electrical wiring and will allow you to thread the lighting fixture's wire underground whilst protecting it from other materials.

If you install ground lights in stone or concrete, you will also need an installation tube. The tube can be directly set into concrete; however, if you fit your lights into stone material, you'll first need to cut a hole into the stone using a special saw. Then, you can fit the tube into the hole and firmly secure its placement using cement when you're ready.

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After the tube is in place, you will find that you can easily insert and pull out the ground lights, which will make the installation process and future maintenance easier. The conduit tubing can then be fed in and out of the installation tube using the holes provided.

Step 6: Waterproof your connections.

Once everything is in place, it is vital to waterproof your connections to prevent future water damage. We'd recommend using mastic putty or tape around the threads of the conduit connector and power supply to create a protective barrier.

Step 7: Backfill holes with 8 inches of pea gravel for drainage

Once the recessed ground light has been fitted, fill the remaining volume of the hole with gravel to ensure a secure fit and encourage proper drainage to protect your fixture from water ingress.

If you are installing ground lights in concrete, you can instead fill the hole with concrete if you'd prefer to.

Step 8: Turn on power to your circuit

Once your recessed ground lights are successfully installed, all that's left to do is check your wires, switch on the power, and enjoy your new lighting!

Working with electricity can be dangerous – especially if you do not have the right expertise and safety knowledge. So, as with any electrical work, you should always consult a professional to ensure a safe and successful installation.

The manufacturer bears no responsibility for any injury or damage resulting from incorrect installation or use of the product

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