



Bollard Light

Installation and Operating Instructions

The Bollard Light provides a robust and stylish way to illuminate your driveway or garden. With multiple options for fitting and a rugged yet stylish aluminium design, this versatile product can be installed into driveways, walkways, patio areas and even in the garden, instantly improving the aesthetics and general safety of your chosen area.

With its 75cm height and impressively robust and durable design the Bollard Lighting system is an attractive, economic and stylish way to bring some light and life to your chosen application.

The Bollard Light is a very strong and durable option for providing outdoor light, as well as clear indication of the boundaries of your patio or driveway. The Bollard Light can be fitted in a variety of ways including into wet concrete or cement, as well as the option to be fitted into soft ground using the included spike attachment or into a previously finished application using the included masonry fixing kit.

Bollard Light Kit Contents

- 1x Bollard Light garden lamp
 - 2x Allen keys
 - Ground Spike fixing kit
- Permanent fixing kit:
- 1x Ground gasket
 - 3x Angled fixing bolts
 - 3x Sealing 'O' ring
 - 3x Wall plugs for masonry fixing



Safety Note: A qualified electrician must be used to install these products.

Electrical Installation

The mains power supply for the Bollard Light must comply with the current IET wiring regulations (BS 7671). Specific recommendations for garden installations are provided in Chapter 16 of "IET Wiring Regulation Guidance Note 7". The Bollard Light is splash proof and can be mounted externally, but it is not intended for immersion in water. The electrical supply must be protected by a 30mA residual current device (RCD).

The Bollard Light must be earthed.

The Bollard Light baseplate is fitted with twin cable grips which will allow multiple Bollard Lights to be connected to a single circuit in a daisy chain fashion. Use H05RN-F 3 x 1.0 mm² or equivalent cable (rubber insulated, black neoprene sheath – suitable for use in wet locations outside).

Cabling must be shielded from prolonged exposure to direct sunlight and, if it is buried, must be protected against accidental damage with suitable conduit. Unprotected cables should not be buried in the ground, nor should they be clipped to wood fences, etc which may provide inadequate support and protection.

Fixing Methods

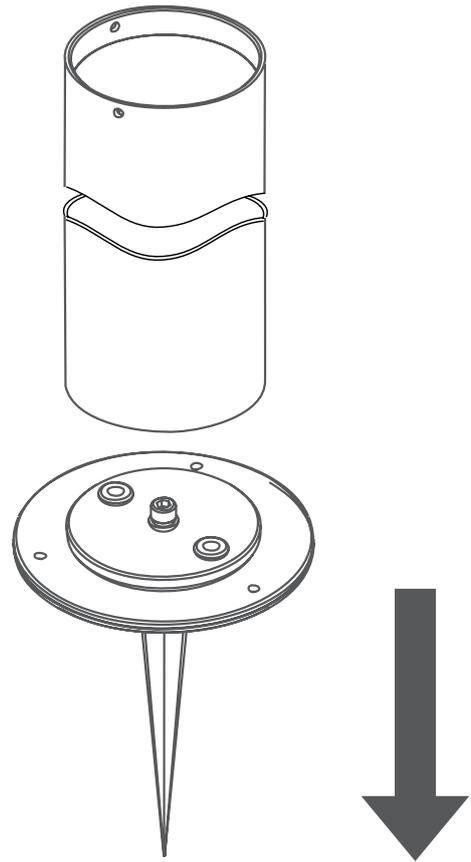
The Bollard Light can be fixed to the ground using one of three fixing methods, ground spike, concrete base or direct fixing.

Ground Spike Installation

The Bollard Light is supplied with a removable plastic spike, suitable for use in soft ground or sand.

To fit the spike, unscrew the baseplate and fix it in place using the screw provided (fig.1).

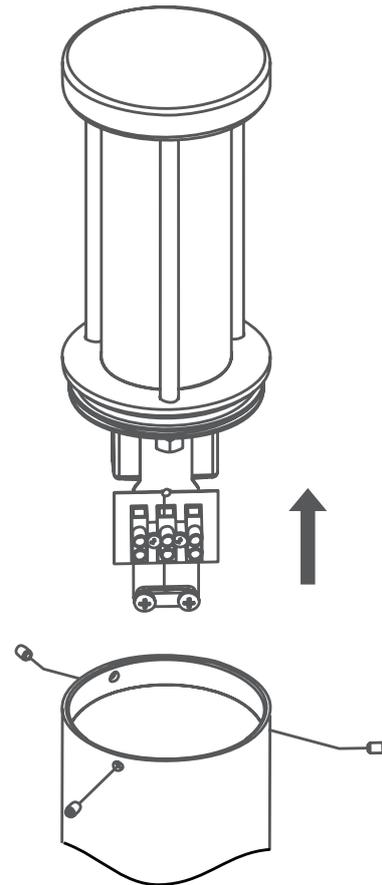
Fig.1



Concrete Base Installation

1. The Bollard Light is supplied with 3 angle bolts which will allow you make a permanent installation in a wet concrete (or mortar) base. To do this you must insert the angled bolts in to the wet concrete and then allow it to fully set before completing the installation. To ensure that the bolts are correctly aligned carry out the following procedure:
2. Dismantle the Bollard Light – removing the lighting head (use the small Allen key provided to remove the 3 Allen screws) and unscrew the base plate. Put the lighting head to one side (fig.2).
3. Run the mains supply cable to the base of the Bollard – use conduit to protect the cable from the concrete and ensure there is sufficient cable to leave a loop extending from the top of the Bollard when fitted.
4. Assemble the Bollard baseplate with plastic gasket and all 3 angled bolts – use a nut above and below to sandwich the gasket and baseplate and fit a flat washer and spring washer above the baseplate. Tighten the nuts so that approximately 8mm of thread protrudes above the baseplate.
5. Fit the Bollard main tube to the baseplate.
6. Pour the concrete base.
7. Push the supply cable through the baseplate grommet. Thread it through the tube and leave a loop at the top.
8. Push the baseplate assembly into the wet concrete and use a spirit level to adjust the Bollard Light tube until it is vertical and at the correct level. If necessary, use a timber prop to stabilise the unit.
9. Allow 24 hours for the concrete base to harden before fitting the lighting head.

Fig.2



Direct Fixing Installation

Where the Bollard Light is to be installed in an area where there is an existing paved or concreted base, you can fix it through the holes in the baseplate using 6mm diameter any commercially available fixing (fig.3).

We recommend the Rawlplug® projecting Rawlbolt® for general use, but you may need to use a specialist fixing depending on your application. Consult your supplier for advice.

Electrical Installation

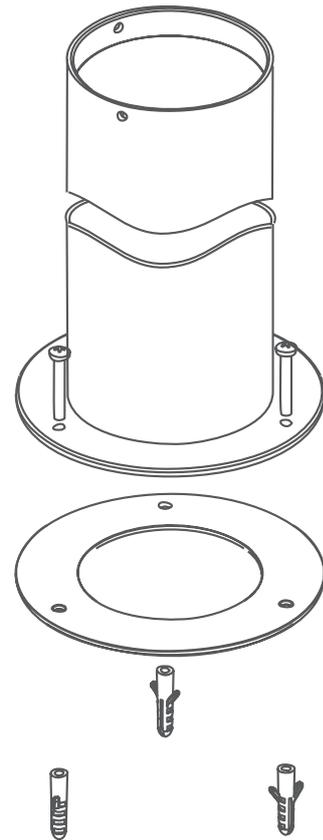
Ensure that the power supply is isolated before beginning the installation.

1. If it is still in place, remove the lighting head by removing the 3 Allen screws at the top of the tube using the Allen key provided.
2. Install the mains supply cable according to the wiring diagram below.



3. Ensure that the cable grip is fitted and fully tightened.
4. Fit the head unit and secure it in place with the fixing screw.

Fig.3



Disposal of Packaging

Please dispose of all packaging responsibly, recycling where possible.

Cleaning and Maintenance

Always disconnect from the mains and allow the lamps to cool before cleaning.

Do not use abrasive cleaners on your lights. This may scratch the finish.

Do not use a pressure washer on these units.

Diagnostics and FAQs

Q: Why aren't the lights coming on?

1. In very bright sunlight the garden lights may not appear to be lit. Check for illumination in darker conditions.
2. Check that the mains supply is switched on and the RCD has not tripped.

For further assistance, please contact Outdoor LEDs on **01229 484 633**.

Guarantee

This product is guaranteed in the UK for a period of one year from the date of purchase against defective materials or faulty workmanship. This guarantee is invalid in the case of improper use, installation, tampering, and removal of the Q/C date label, installation in an improper working environment or installation not according to the current edition of the IET Wiring Regulations (BS7671). Should this product fail during the guarantee period, it will be replaced free of charge, subject to correct installation and return of the faulty unit. Outdoor LEDs accept no responsibility for any installation cost associated with the replacement of this product. Your statutory rights are not affected.

Outdoor LEDs reserve the right to alter specifications without prior notice.

Disposal

The crossed out wheeled bin symbol on your product, literature or packaging reminds you that in the European Union all electronic products must be taken to a separate collection at the end of their working life.

DO NOT DISPOSE IN UNSORTED MUNICIPAL WASTE

Technical Specification

Low Voltage Directive: The lamp is designed to meet and exceed the requirements of the LVD directive.

Power Supply Specification

Input Voltage: Universal Mains (170 Vac to 250 Vac at 50 Hz)

Rated Power: 3W

Protection: Class:1

Limitations of liability

Marl has taken care to ensure that this product is safe and fit for purpose. You should ensure at all times that you follow the installation and after care instructions detailed in this manual. Nothing in this manual limits or excludes Marl's liability for (i) death or personal injury caused by negligence, (ii) fraudulent misrepresentation, or (iii) any other liability which cannot be limited or excluded by applicable law.

Subject to the above, Marl will not (to the fullest extent permitted by law) be liable, whether in contract, in tort (including, without limitation, negligence), or otherwise arising out of or in connection with these terms and in particular where any injury or loss has been sustained through ignorance of warnings, misuse of goods (including use other than in accordance with the manual, or unauthorised modifications) continued use after a danger became apparent and fair wear and tear, for any: economic losses (including, without limitation, loss of revenues, data, profits, contracts, business or anticipated savings); or loss of goodwill or reputation; or special or indirect losses suffered or incurred by you arising out of or in connection with the installation or use of this product.

This does not affect your statutory rights as a consumer.

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