



# BIKO- LED Garden Spike light

Model No. :	22099
Colour	Black

Congratulation on the purchase of your new Brilliant product. Before first using, it is most important that you read and follow these instructions, even if you feel you are quite familiar with this type of product. Keep this document handy for future reference.

## DO IT YOURSELF Installation (\*\*)

This product is designed for mounting in the ground and for connection to a suitable 12V AC or DC power supply.

### FOR YOUR SAFETY

- (\*\*) If you are unsure how to install this product please consult a qualified electrical contractor before proceeding. If power socket needs to be installed, it must be done by qualified electrician. Any alterations or additions to building wiring **must be completed by a licensed electrician** or person authorised by legislation to work on the fixed wiring of any electrical installation.
- Do not install in a position where the fitting can be easily accessed by children or the infirm.
- Do not install in wet areas which expected to be flooded.
- Do not touch the light when its hot, or replace a globe when the unit is ON. Always allow the fitting and globe to cool to room temperature before attempting to replace.
- Be aware of the height of your installation (If applicable). Refer to '**Working at Heights**' guide from your local or State Authorities.



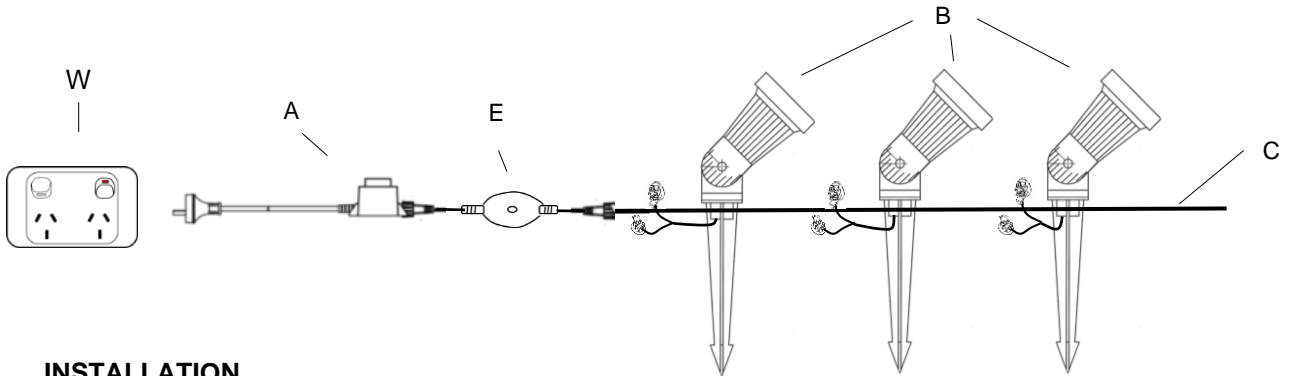
Power Supply required:	12V AC or DC
Globe :	MR16 5W MAX (included)
Weatherproof protection :	IP 65 (suitable for outdoor use)

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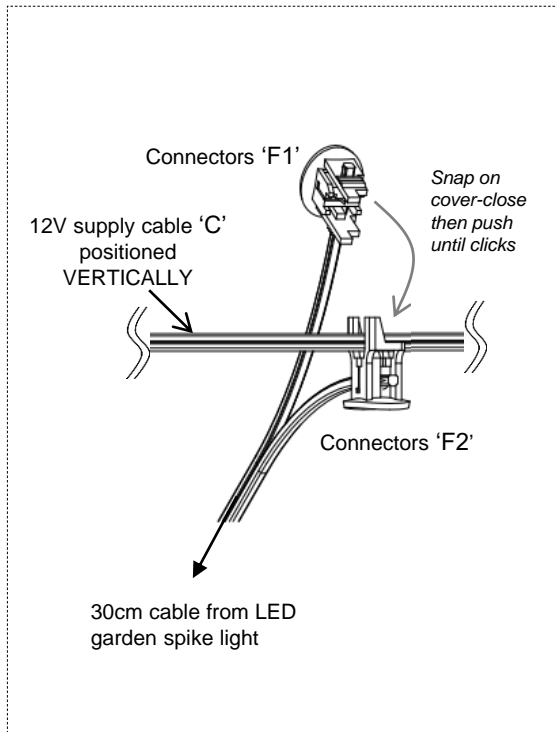
Before first using your new fitting, it is most important that you read and follow these instructions, even if you feel you are quite familiar with this type of product. Retain this document for future reference.

## DO IT YOURSELF Installation (\*\*)

### Typical connection diagram



### INSTALLATION



Carefully unpack the fitting and dispose of the packaging material thoughtfully.

**NOTE:** The LED spike light 'B' is designed for mounting in the ground. It requires suitable 12V AC or DC power supply adaptor 'A' (Not supplied) and it is designed for connection to a suitable flat (Figure 8) type cable 'C', (Not supplied in this kit)

1. Find a suitable spot for your garden spike light 'B' adjacent to your (existing) garden cable 'C'.
2. Attach your LED spike lights 'B' onto the 12V cable 'C' via clip connectors 'F1 & F2'. Refer to the connection details.
3. Note that you can turn the power ON now at the power point 'W', to enable you to see when is the connection right.
4. Fit the supply cable 'C' vertically between connector 'F1' & 'F2', close the connectors and push them together firmly until they lock. The metal pins inside clip F1 & F2 should penetrate the insulation of the cable and make firm contact with conductor inside the cable.
5. Insert garden spike into the ground and affix any loose cable.
6. You can operate the light via your existing controls or via SMART Garden Controller Model No 20953 (36W) or 20954 (60W) or Dusk to Dawn Controller Model No.: 20956 ( 2 Pin output) 'E' – to be purchased separately.



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## SPECIFICATIONS

<b>OPERATING VOLTAGE:</b>	12V (AC or DC)
<b>WATTAGE:</b>	5W MAX
<b>PHOTOMETRIC DATA:</b>	350lm Warm White (with globe 20952SP001 supplied)
<b>GLOBE:</b>	MR16 Bi-Pin 12V LED 5W Max (20952SP001) 3000K – included ( the globe is replaceable)
<b>CONSTRUCTION:</b>	Class III
<b>CONNECTOR:</b>	Garden Clip wire connector with 300mm cable
<b>MATERIAL:</b>	Fibreglass body, tempered safety glass and plastic spike
<b>WEIGHT:</b>	0.36kg

## WARNINGS

- Do not exceed the maximum allowable wattage of the power supply adaptor.
- Do not install it to surfaces which can be flooded or move or vibrate during operation.
- Do not immerse any part of the fitting into water or any liquid.

(\*\*) - If the fitting requires a power socket to be installed, it must be done by a licensed electrician, **in accordance with the latest AS/NZS 3000 standards and relevant amendments.** Any alterations or additions to building wiring **must be completed by a licensed electrician** or person authorised by legislation to work on the fixed wiring of any electrical installation !

## Recycling and environmental concerns

- Dispose of packaging thoughtfully.
- When the fitting reaches it's end life, recycle in accordance with your local regulations.



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## Troubleshooting

PROBLEM	PROBABLE CAUSE	SUGGESTED REMEDY
LED Garden light doesn't turn ON	<b>A</b> No power. Fuse, switch or circuit breaker has turned off in the power circuit. Power supply is not working/faulty	<b>A</b> Check main and branch circuit breakers, check power socket switch is turned on. Check your controller is turned ON. Check the power supply unit/transformer is working. Replace power supply unit.
	<b>B</b> Loose connection to the unit.	<b>B</b> Check all wire connections / connectors are firmly attached and the connectors make good connection. Check for any physical damage.

## Warranty:

Brilliant Lighting warrants this product against defects in manufacture and workmanship for a period of 2 years from date of purchase or as specified elsewhere. For products used in non-domestic or commercial applications, Brilliant Lighting warrants this product for a period of 3 months from date of purchase. This warranty is only valid for products installed and operated within the guidelines specified by Brilliant Lighting, and within the correct operating voltage ranges as stated on the product's rating label.

Warranty does not include damage or loss arising from incorrect installation, operation or maintenance of this product, damage caused through modification, incorrect installation, service by unqualified or unauthorised personnel or lack of regular maintenance and cleaning. Proof of installation by qualified personnel may be required, e.g. Electrical Safety Certificate. Proof of purchase must be supplied with all warranty claims.

This warranty is provided in addition to any other rights and remedies of the customer under any law. In applications not intended for household, personal or domestic use, liability is limited to replacement or reimbursement of product only. Brilliant Lighting does not warranty the costs of removal or re-installation of this product or associated components.

*Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if goods fail to be of acceptable quality and the failure does not amount to a major failure.*

Any claim under this warranty must be made within the specified warranty period from date of purchase of this product. To make a claim under the warranty; at your own expense take the product (with proof of purchase – receipt or similar) to the store where you purchased the product or contact Brilliant Lighting at the address below.

This warranty is given by:

**Brilliant Lighting (Aust) Pty. Ltd.**  
**ABN 37 006 203 694**  
**956 Stud Road Rowville, VIC 3178**  
**Phone: 03 9765 2555**  
**Email: [Warranty@brilliantlighting.com.au](mailto:Warranty@brilliantlighting.com.au)**  
**MADE IN CHINA**