

# INSTRUCTIONS

# Charleston Brick Light – 12v

*Frosted or Slatted*



## WARNINGS



**PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE COMMENCING ANY WORK**

- If a fitting is found to be damaged, cease use immediately.
- This is a Class 3 product (Low Voltage) – no earth required.
- 12V TRANSFORMER REQUIRED – sold separately
- Install in accordance with the IEE Wiring Regulations and Building Regulations.
- To prevent electrocution, switch off mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge.
- This light fitting should be connected to a circuit with a 30Ma RCD fitted.
- If replacing an existing fitting, make a careful note of the connections.
- All connections should be made as watertight as possible to avoid electrical shortage.
- When changing the bulb, always switch off at the mains & allow to cool before handling.
- Always use the correct type & wattage bulb. Never exceed the wattage stated.
- The unit may get warm whilst on for a period of time.
- 12v Lighting must be wired in parallel, not series, and cable lengths kept to a minimum.



**Voltage:** 12v Low Voltage  
**Max. Wattage:** 50w  
**Bulb Holder:** G4 x 2 (lamp sold separately)  
**IP Rating:** IP65  
**Cable Length:** 1.5m  
**Cable Type:** 0.75mm 2 Core (H05RN-F)  
**Cable Inlets:** Back Centre



✓✓  
**2 YEAR  
GUARANTEE**  
see website for  
more details

## CLEANING:

Occasional cleaning and care is recommended for this product. Please refer to our website for the best way to clean different materials.

## RETURNS:

**Please contact us by phone or email**

Lumena Lights Ltd, Centre 33 Long March, Daventry, Northants, NN11 4NR  
Tel: +44 1327 871161 Fax: 0800 066 4410 Email: [sales@lumenalights.com](mailto:sales@lumenalights.com)  
Instructions accurate at time of printing. Check for updates by visiting our website.

**Producer Registration Number: WEE/KC3440XY**



## LAMP INSTALLATION / REPLACEMENT:

- Remove the front plate by unscrewing and removing the 2 x brass screws.
- Insert 2 x G4 lamps (push action).
- Replace the front plate and secure in place with the 2 x brass screws removed, ensuring the foam seal is in place behind the face plate. Do not overtighten screws as this can cause the face plate to dent.

**IMPORTANT:** Condensation may occur due to the warmth inside the fitting produced by the lamp and the cold air outside. If this is noticed, on a dry day, turn off the power supply, safely remove the front plate and wipe dry with a soft cloth. A silica gel pouch can be left inside the fitting to soak up any excess moisture if required.

Full product range & more information: [www.lumenalights.com](http://www.lumenalights.com)

## INSTALLATION:

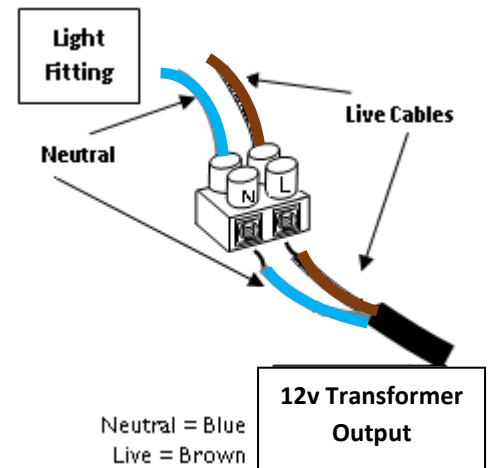
- Remove the front plate by unscrewing and removing the 2 x brass screws – do not remove screws from front plate.
- Ensure the glass lens and foam seal is in place and the screws are held in place with the rubber washers on the underside of the face plate.
- Select the installation location, ensuring there is a sufficient amount of room for the fitting, cable at the back of the light and any junction boxes / transformers.
- **Continue below based on your selected installation method.**



## WIRING / CONNECTION:

### IMPORTANT: 240v – 12v Transformer Required (sold separately)

1. Connect the fitting to the transformer / extension cable via a waterproof Junction Box or Tubecon Connector (multiple fittings can be powered by one transformer with correct wattage (no. bulbs x bulbs W = transformer wattage required).
2. Ensure all terminals on the connector block are secure with no stray wires and that the connection is watertight.
3. Connect the transformer to the mains supply (plug in or hard wire options) – 240v input cable must be located inside armoured conduit.
4. **Once fully installed**, turn on the mains power.



### NOTES:

- To avoid damage to cable after installation, ensure all cabling is positioned carefully around the edges of the garden, in conduit or similar, or hooked up on fences etc.
- It is recommended that the number of fittings on each circuit are kept to a minimum, fittings are positioned as evenly as possible around a circuit and each run kept as short as possible to prevent voltage drop. For longer cable runs. Thicker cable (1.5mm or 2.5mm) may be required.
- Ensure the transformer has plenty of air circulation to avoid overheating.

**Mounting Box dimensions approx. (L)210 x (H) 56 x (D) 65mm, includes side brackets and cable protrusion.**

### Brick Replacement – NEW WALL

#### TESTING OF FITTINGS & BULBS IS RECOMMENDED PRIOR TO PERMANENT INSTALLATION

- Build the brass mounting box directly into the brick wall. **IMPORTANT:** the brass box must protrude from the wall by approx. 2-3mm to cater for overlap of faceplate and create waterproof seal. **NOTE:** a wooden frame can also be used to support the fitting if the brick is a different size – attach mounting box to the frame via the 2 x screw holes on the edge of the brass back box – height of brackets can be adjusted slightly on each side if required).
- Install 2 x G4 lamps (see lamp installation).
- Replace the front plate and secure in place with the 2 x brass screws removed initially, ensuring the rubber washers and foam seal are correctly in place behind the face plate. Do not overtighten.

#### Recess into flat surface (cut out)

- Cut out the hole for the mounting box (masonry, decking etc). See above for mounting box & fixing point dimensions.
- Hold the brass mounting box in position and mark the 2 x screw holes on either side of the box. The height of these brackets can be adjusted slightly, if required, by loosening the two screws holding them in place.
- Remove the mounting box. For masonry installation, drill and install wall plugs. For wood installations, pilot hole can be drilled if required. M4 screws recommended.
- Secure the mounting box in place with relevant screws at the fixing points, as per above. height of brackets can be adjusted slightly on each side if required.
- Install 2 x G9 lamps.
- Replace the front plate and secure in place with the 2 x brass screws removed initially, ensuring the foam seal is in place behind the face plate. Do not overtighten.

