

INSTALLATION INSTRUCTIONS

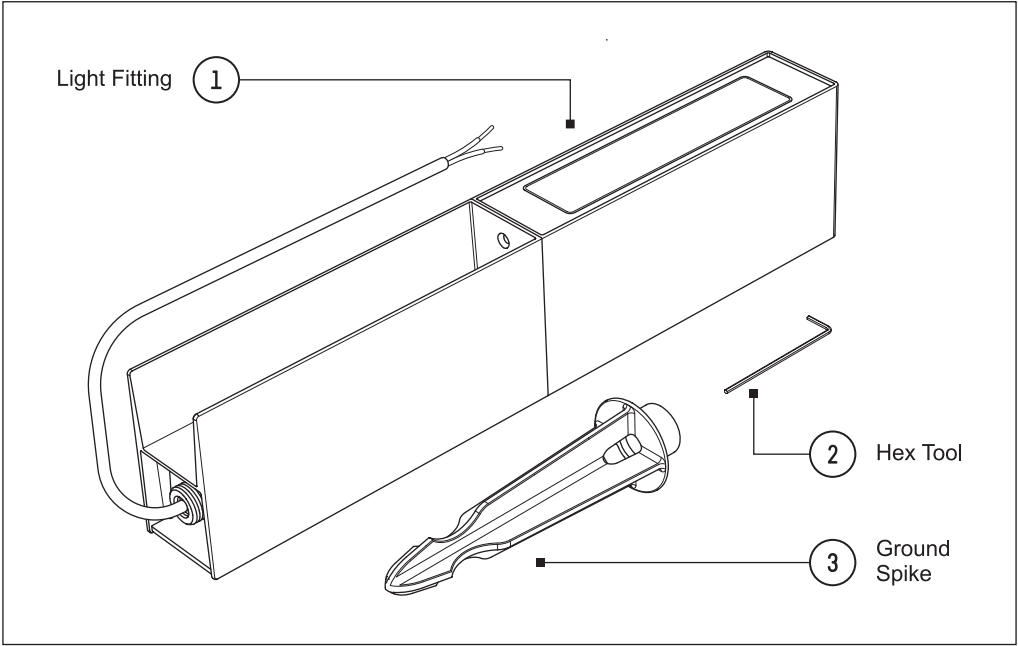
Bollard Linear 8 PLBL8450-XXX



NOTE:

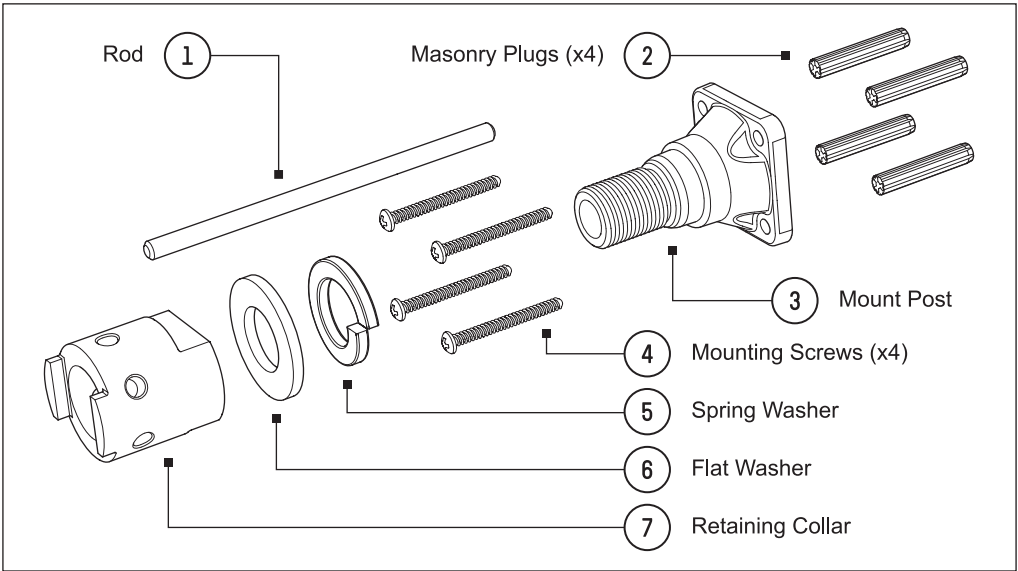
1. Gardens at Night fittings should only be connected to approved Gardens at Night 24VDC Constant Voltage (CV) Power Supplies. FAILURE TO DO SO WILL VOID WARRANTY.
2. Gardens at Night fittings must be wired in parallel and connected in accordance with installation instructions provided (including soldering of cable joins and sealing using Adhesive Lined End Caps or Tubes). FAILURE TO DO SO WILL VOID WARRANTY.
3. Fittings are polarity sensitive and need to be connected positive (+) fitting lead to positive (+) incoming and exiting feed cables and negative (-) fitting lead to negative (-) incoming and exiting feed cables.
4. Do not carry fittings by lead as it may cause damage.
5. Do not connect fittings to constant current (CC) power supplies or AC transformers as this will cause permanent fitting failure and VOID WARRANTY.

FITTING KIT - PARTS SUMMARY

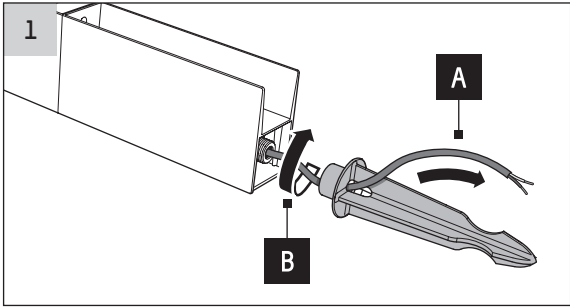


SURFACE MOUNT KIT - PARTS SUMMARY

SURFACE MOUNT KIT SOLD SEPARATELY – PART NO. GANL-PLBL8450-SMK



GROUND SPIKE ASSEMBLY INSTRUCTIONS



- Pass fitting cable through top socket of Ground Spike and exit via openings below top flange (A).
- Screw fitting into top socket of Ground Spike up to end stop (B).
- Connect fitting to feed cable as per section “FITTING INSTALLATION INSTRUCTIONS – CONNECTION”

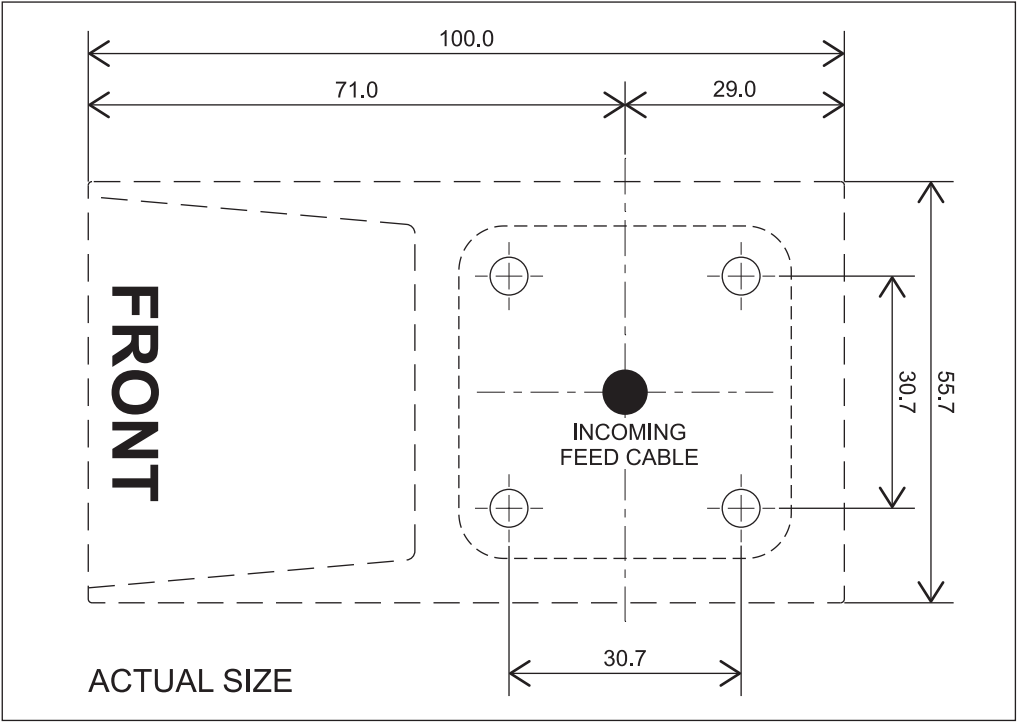
ENSURE TWISTING OF CABLE IS MINIMISED DURING ASSEMBLY TO PREVENT DAMAGE.



SPIKE MOUNTED FITTINGS TO BE INSERTED INTO GROUND BY HAND ONLY. THE USE OF TOOLS TO APPLY FORCE MAY RESULT IN DAMAGE TO FITTING AND WILL VOID WARRANTY.

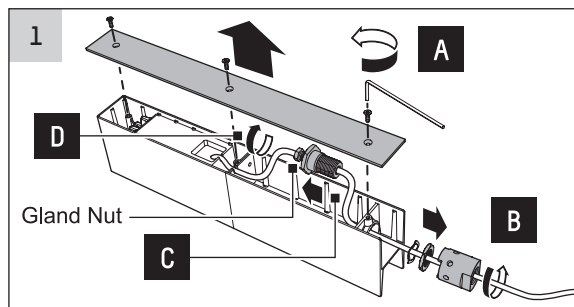
SURFACE MOUNT – TEMPLATE

TO ASSIST WITH LOCATION OF FEED CABLE AND MOUNTING HOLES TO ACHIEVE CORRECT FITTING POSITION



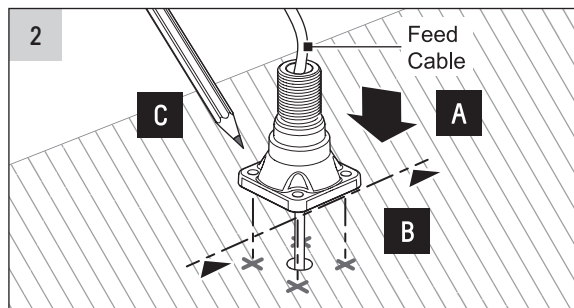
FITTING INSTALLATION INSTRUCTIONS – SURFACE MOUNT

SURFACE MOUNT KIT REQUIRED – PART NO. GANL-PLBL8450-SMK (SOLD SEPARATELY)

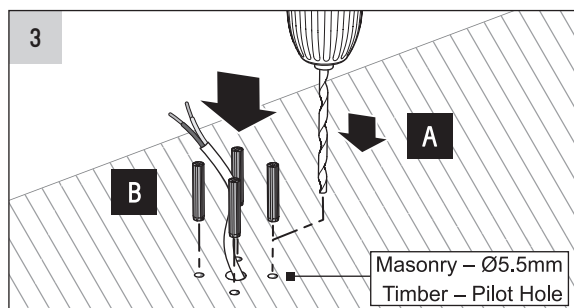


To remove Ground Spike Mount (GSM):

- Remove three screws with Hex Tool (included) and remove Rear Plate (A).
- Slide Retaining Collar over cable. Fit up-stands over Nut and rotate to remove Nut and Wave Washer from GSM (B).
- Slide GSM upwards (C) to remove from hole in fitting.
- Hold GSM and loosen cable gland nut by rotating anti-clockwise (D). Slide GSM off cable.



- Use Surface Mount Template (Page 3) to confirm correct location for incoming feed cable.
- Pass feed cable through central bore in Mount Post and position in desired location (A).
- Ensure Mount Post is correctly aligned for desired light orientation (B).
- Use Mount Post as template to mark locations of four mount holes (C).

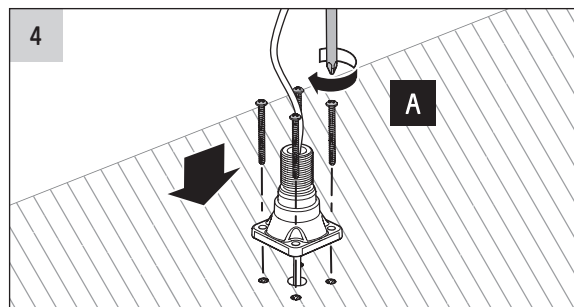


For Timber:

- Drill four pilot holes at marked locations to prevent timber splitting (A).

For Masonry:

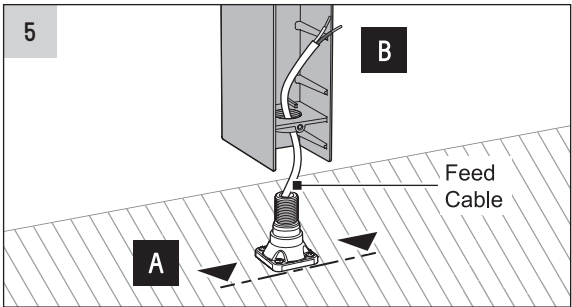
- Drill four Ø5.5mm holes at marked locations (A).
- Insert four Masonry Plugs (supplied) into holes (B) until ends are flush with surrounding surface.



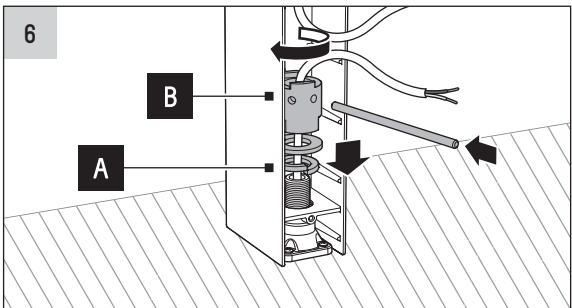
To attach Mount Post:

- Align Mount Post with Masonry Plugs or pilot holes.
- Fasten with four Mounting Screws (supplied) (A).

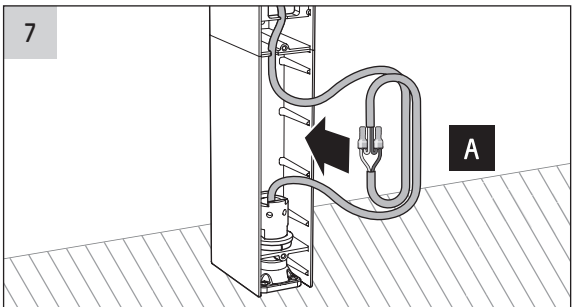
FITTING INSTALLATION INSTRUCTIONS – SURFACE MOUNT (CONT.)



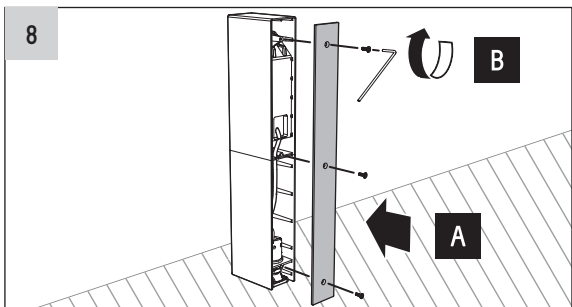
- Ensure Mount Post is correctly aligned for desired orientation of light fitting and adjust if required (A).
- Pass feed cable through hole in bottom of light fitting and place light fitting over Mount Post (B).



- Pass feed cable through Spring and Flat Washers. Lower washers onto threaded section of Mount Post (A).
- Pass feed cable through central hole in Retaining Collar.
- Lower Retaining Collar onto Mount Post and tighten by inserting Rod (included) into holes and rotate clockwise until fitting is held firmly in place (B).
- Check for desired fitting alignment and adjust if necessary.

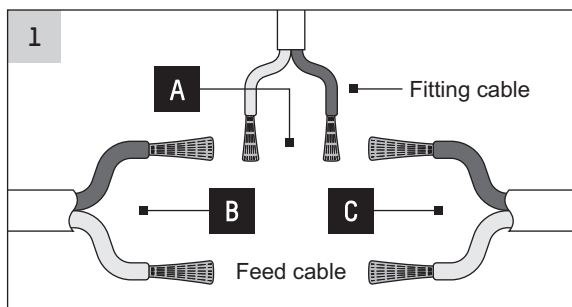


- Connect fitting to incoming feed cable as per section “FITTING INSTALLATION INSTRUCTIONS – CONNECTION”
- Coil cable neatly and insert into rear cavity of light fitting (A).

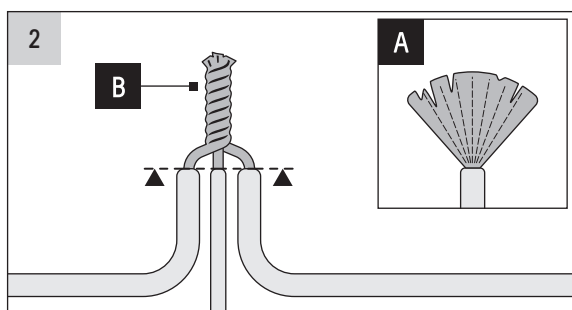


- Re-assemble Rear Plate to light fitting (A).
- Fasten Rear Plate with three screws provided. Tighten by rotating clockwise with Hex Tool (included) (B).

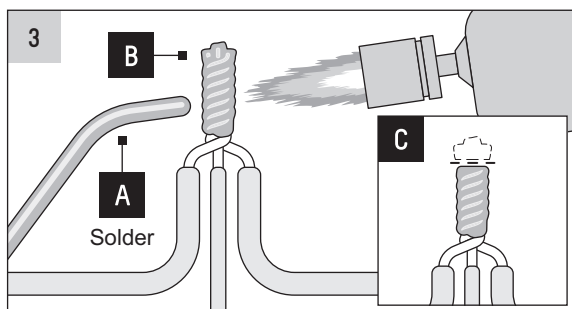
FITTING INSTALLATION INSTRUCTIONS – CONNECTION



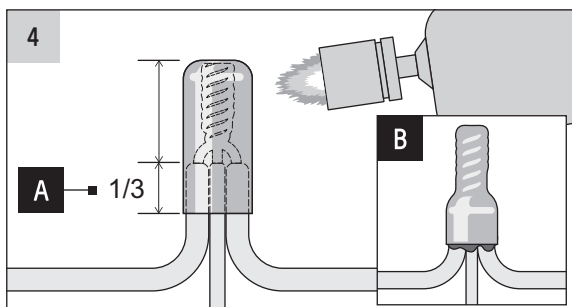
- Cut and remove two solid tinned ends from fitting cable.
- Strip PVC insulation from fitting cable to expose strands (A).
- Cut incoming feed cable from power supply (B).
- Strip PVC insulation to expose copper strands from incoming feed cable (B) and exiting cable (C).



- Fan out all exposed copper strands (A).
- Tightly twist red fitting, feed and exiting cable (B), ensuring shoulders of PVC insulation remain aligned.
- Repeat for black cables.



- Heat twisted copper with Butane Gas Torch* and apply solder (A).
- Solder should fully penetrate all strands (B).
- Trim solder with side cutters and carefully remove any sharp edges (C).
- Repeat for other cable join.

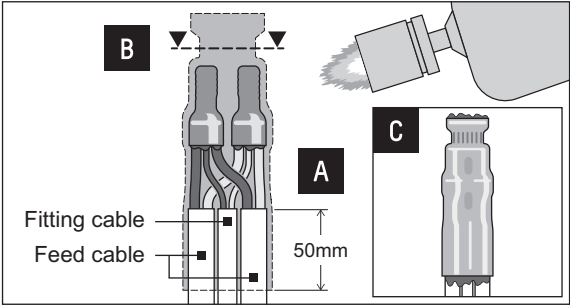


- Place Adhesive Lined End Cap** over soldered joint.
- Ensure 1/3 (minimum) of cap length overlaps PVC insulation (A).
- Apply heat gently to end cap. Cap will collapse and encapsulate the join (B). Adhesive should be visible from the base of the cap.
- Repeat for other cable join.

* Butane Gas Torch and solder available from Gardens at Night.

** Adhesive Lined End Caps are available in various sizes to suit different low voltage cable sizes. Caps should be at least 1/3 larger than join and are available from Gardens at Night.

OVERSHEATH JOINING METHOD IS RECOMMENDED WHEN INSTALLING IN POOR DRAINAGE AREAS, HIGH CONDENSATION OR AREAS OF POOLING WATER



To oversheath cable joins:

- Place adhesive lined heat shrink tubing or oversized Adhesive Lined End Cap** over red and black cable joins.
- Ensure tube or cap covers outer insulation of cables by 50mm (A).
- Apply heat gently. If using tubing, firmly pinch top of tube with pliers to seal (B).
- Oversheath will collapse and encapsulate the joins. Adhesive should be visible from ends of oversheath (C).

WARRANTY STATEMENT

SERRATA GROUP PTY LTD - ABN 35 131 274 176
Gardens at Night is a business of Serrata Group.

Serrata Group Pty Ltd warrants that, subject to the exclusions and limitations below, all Gardens at Night products will be free from defects in materials and workmanship for a minimum period of 12 months from the date of purchase or as stated on the Product Information sheet.

If a defect appears in a Product before the end of the Warranty Period, and Serrata Group Pty Ltd finds the Product to be defective in materials or workmanship, Serrata Group Pty Ltd will, in its sole discretion, either:

- (a) repair the Product or the defective part of the Product free of charge; or
- (b) cause the Product or the defective part of the Product to be repaired by a qualified repairer free of charge; or
- (c) replace the Product.

Serrata Group Pty Ltd reserves the right to replace defective parts of the Products with parts and components of similar quality, grade and composition where an identical part or component is not available. Products presented for repair may be replaced by refurbished Product parts of the same type rather than being repaired. Refurbished parts may be used to repair the Products.

WARRANTY CLAIMS

1. If a fault covered by this warranty occurs, the customer must first contact Serrata Group Pty Ltd on the contact details below, or the trader from whom the Product was purchased.
2. Any warranty claim must be accompanied by:
 - (a) proof of purchase;
 - (b) full details of the alleged defect; and
 - (c) any other appropriate documentation.
3. The customer must make the Product available to Serrata Group Pty Ltd or its authorised repair agent for inspection and testing. If such inspection and testing finds no defect in the Product, the customer must pay Serrata Group Pty Ltd's usual costs of service work and testing.
4. The customer must bear the cost of the transport of the Product to and from Serrata Group Pty Ltd or its authorised repair agent, and all insurance of the Product.

EXCLUSIONS

This warranty will not apply where:

- (a) the Product has been installed, repaired, altered or modified by someone other than Serrata Group Pty Ltd or its authorised agent;
- (b) the alleged defect in the Product is within acceptable industry variances;
- (c) Serrata Group Pty Ltd cannot establish any fault in the Product after testing and inspection;
- (d) the Product has been used other than for the purpose for which it was designed and manufactured;

- (e) the defect in the Product has arisen due to the customer's failure to properly use, service or maintain the Product in accordance with any instructions or user manuals that are supplied with the Product;
- (f) the Product has been subject to abnormal conditions, including environment, temperature, water, fire, humidity or similar;
- (g) the defect has arisen due to abuse, misuse, neglect or accident
- (h) the damage occurred in transit;
- (i) the damage is due to power surges.

The warranty does not extend to:

- (a) damage or defects caused by normal wear and tear; or
- (b) surface rust.

LIMITATIONS

Serrata Group Pty Ltd makes no express warranties or representations other than set out in this warranty.

Except to the extent required by the Australian Consumer Law, the repair of the Product or part of the Product is the absolute limit of Serrata Group Pty Ltd's liability under this express warranty.

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 for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Serrata Group Pty Ltd provides the warranty in relation to any Gardens at Night branded exterior and landscape lighting Product.

The benefits of this warranty are in addition to any rights and remedies imposed by Australian State and Federal legislation that cannot be excluded. Nothing in this warranty is to be interpreted as excluding, restricting or modifying any State or Federal legislation applicable to the supply of goods and services which cannot be excluded, restricted or modified.

gardens at night
■■■ landscape lighting

For information on Gardens at Night products, local distributor, showroom and contact information visit our website.

www.gan.com.au