

HAND CRAFTED » DIRECT DELIVERY » UP TO 10 METRES » EXERCISE POOLS » ALL THE EXTRAS



# PREMIUM

## Wooden Swimming Pools



# LED Light instructions

[www.woodenpools.net](http://www.woodenpools.net)

## Installing Mini LED Lights into a Wooden Pool



Mark the position where you would like to install a light. Be aware of any vertical supports or other obstructions behind the wall. This is to ensure the back of the light fitting will not foal against anything.

It is best to position the light approximately half way down the pool wall. Make sure the hole is within a single plank as shown.



Use an 85mm hole cutter to cut the hole for the light. Do not drill through the wall in one go. from one side.



Go around the other side of the wall and drill from both sides to cut a neat hole without any splintering.

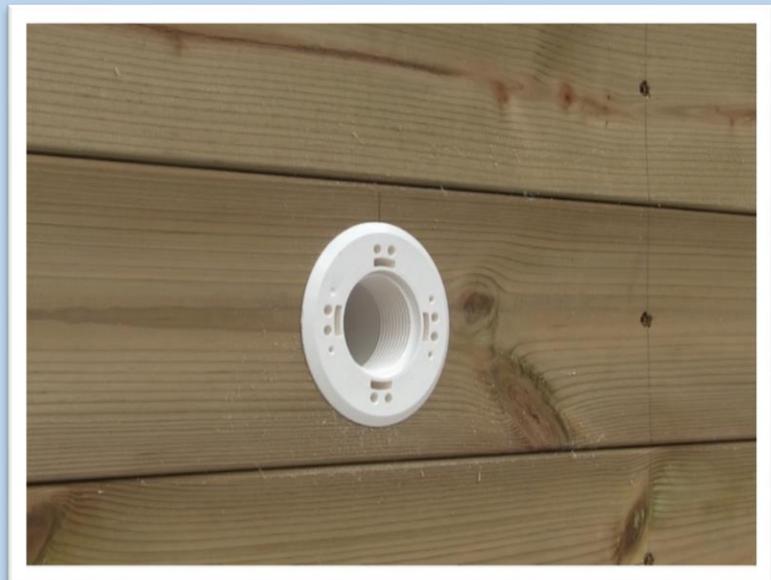


The fitting used as shown, uses a back nut in this sequence (shown), to tighten against the pool wall.

You will require one deck box kit per light (LED004)



Insert the fitting and tighten against the back nut on the other side of the wall.



Try and finish tightening the fitting in the position shown, with the screw holes at North, East, South, West



If you have foam on the walls of your pool, you need to cut away approximately 30mm of foam so that the light can be screwed into place nicely without it being too tight against the liner. It is good to cut it with a chamfered edge, to achieve a nice finish when the liner is installed.



Stick the gasket in place lining up the screw holes.



Insert a screw top and bottom, do not fully tighten the screw and finish with the cross of the screws pointing North, East, South and West.



Apply plenty of PTFE to the conduit thread and screw it tightly into the treaded reducer.

Glue the socket P/FT and threaded reducer together, use pipe cleaner first on both fittings and add a good layer of glue to each fitting.

It is important to make the whole assembly watertight.



Establish how much pipe you want to use and cut it to length.



Glue a 50mm slip adaptor on the end of the piece of pipe you have just cut.



Now glue it into the back of the light fitting.



With the other end of the conduit apply plenty of PTFE tape to the thread and screw it into the bottom of the deck box.

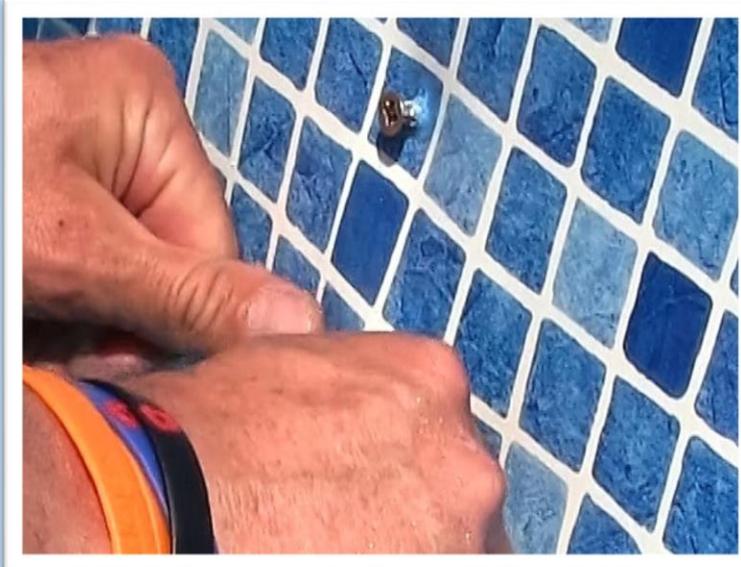
The deck box must be mounted well above the water line of the swimming pool.

The light cable runs through the conduit into the deck box, where it can be linked to other Brio LED lights or into a power supply from a transformer. You must employ a qualified electrician to carry out any electrical work on your wooden pool.



On the inside of the pool allow the water level to rise just below the light fitting which is now behind the liner. Carefully feel for the screws.

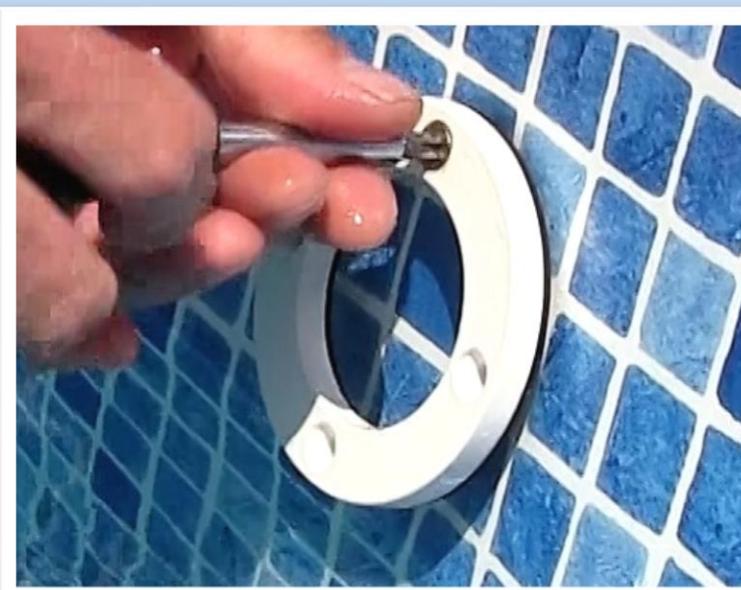
Using a sharp knife cut just the cross of the screw head.



Push the screw heads through the liner. Try and keep the holes as small as possible.



Line up the holes and stick the gasket to the face plate.



Undo the top screw and insert it back through the face plate, into the same hole it came from. Give the screw a couple of turns just to hold on to the face plate. When the face plate swings downward you can locate the bottom screw and carry out the same procedure.



You can now insert the other two screws and tighten all four screws using a hand-held screwdriver.

when the face plate and gasket are firmly fixed into position, carefully cut out the excess liner material, in the middle of the light fitting.



Now the light fitting in the pool wall is exposed, you need to get the cable from the light up through the conduit into the deck box. where a connection can be made.

it is easier to thread the cable through the conduit by taping a zip tie or similar to the end, before pushing the cable through to the deck box.



Once you have secured the cable in the deck box you can screw the light fitting in place.

## Tool list

- Tape measure
  - Spirit level
- Various digging and concreting tools
  - 17mm socket set
  - Heavy mallets
  - Cordless drill driver
  - Selection of driver bits
    - 3mm, 4mm and 5mm drill bits
- Hack saw or 4" angle grinder (cutting disc)
  - Hand saw or chop saw (if available)
    - Set Square
    - Pencil
  - Sharp scissors
- Hand-held screw driver
  - Sharp knife
- Exterior wood glue
  - Hammer
  - Sharp chisel
  - Sand paper
- 85mm hole cutter (light installation only)
  - Wet and dry vacuum cleaner
    - Decking oil and brush
    - Goggles/glasses
    - Protective gloves