



Astral Pool FLX Lights For Fibreglass Pools




INSTALLATION INSTRUCTIONS



INST460

FOR FIBREGLASS POOLS

Kit Contents

Quantity	Item	
1	Fiberglass Niche Assembly Complete with 20, 35 or 50 m cable	
1	Washer Alignment FLX Niche	
1	Nut Fiberglass FLX Niche	

FLX lights are supplied complete and ready to use.

All of the screws in this product are tightened to precise torques during the manufacturing process.

Please DO NOT tighten any screws as permanent product damage may result!

Technical Specifications

Lights and transformers must be installed in accordance to AS/NZS 3000:2007 standards.

Astral Pool lighting transformers are recommended.

Light supply voltage: 12V AC

Temperature Range: 1°C to 40°C

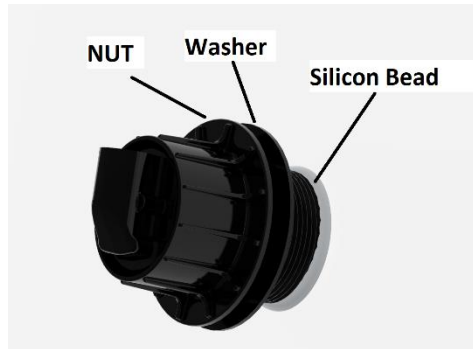
Run dry Protection: Enabled (Lights will dim when run dry)

Installation Instructions

1. It is recommended that lights are installed 400 mm below the water surface. There is 1.2m of cable inside the Niche to allow for servicing.
2. Before commencing work, confirm that the proposed light position is on a flat surface of the pool face and that no ribs or protrusions that would interfere with the locknut, are protruding from the outside face of the pool.
3. Use a 60mm hole saw to drill through the pool wall. Remove any debris that may catch on the cable or niche or may affect the sealing.
4. Carefully feed the cable through the hole in the pool wall. You don't need to uncoil the cable but you may need to squeeze the ends of the cable slightly to allow it to pass through.
5. Run a bead of silicone around the back face of the niche. Ensure the silicone runs as one continuous line approximately 10mm to 15mm in from the outer edge of the niche. Care needs to be taken so that no silicone is squeezed out of this joint when the light is fitted to the pool face as this may affect servicing!

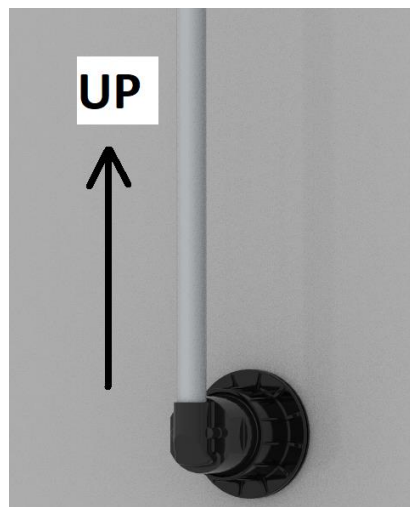


6. Fit the niche through the hole in the pool shell. Ensure the conduit connection point is facing upwards from the niche.
7. From outside of the pool, feed the Washer and then the Nut (large face first) onto the cable. Again, there is no need to uncoil the cable, but you may need to squeeze the ends of the cable slightly to allow it to pass through. Ensure that the Nut and Washer are free of debris. (Leave the Nut and Washer on the cable for now)
8. Ensure that the niche is still in position against the pool wall (pull it towards yourself), ensure that conduit connection point is still facing upwards and apply a heavier bead of silicone into the hole in



the pool wall. (Fill the area between the pool wall and the Niche and slightly onto the niche thread.).

9. Move the washer and nut up onto the Niche and begin to tighten the nut. Use a spanner to keep the conduit connection point facing upwards and tighten the nut. (Hand Tighten Only!)
10. AstralPool recommend that a vertical length of conduit, finishing above the waterline, is glued into the conduit connection point. (The internal design of the niche allows for a new cable to be pulled through in the future if required).
11. Hold a piece of 20mm conduit under the lip of the pool and mark where this conduit meets the conduit connection point. Cut the conduit to this mark. Uncoil the light cable and feed it through the conduit. Apply a small amount of Type N PVC glue onto the conduit and fit it into the niche.



12. All Astral Pool transformers are supplied with appropriate light cable connectors. The light cable can be shortened before it is connected to the transformer.
13. Refer to the supplied Operating Instructions for instructions on how to change colours etc.