

EVO FG FIBREGLASS NICHE LIGHT

Instruction Manual

Installer: Please read entire instruction sheet before proceeding to install.

Pool Owner: Please keep these instructions for future reference.

Please note: These installation instructions apply to EvoFG LED lights for fibreglass & a-g vinyl pools only.

Description

EvoFG LED Pool Lights for Fibreglass and A-G Vinyl Pools fit through a hole drilled by a 60mm hole saw and are supplied with the Quick Connect Cable pre-fitted to the pool light. The pool light is supplied fitted inside the fibreglass housing. The housing is factory fitted with 1.2m of cable wound up inside, a nitrile gasket is factory fitted to the housing flange. The light is supplied with a lock nut and washer, ready to install.

Installation Instructions

Preparation

Before installing the pool lights, please take some time to choose the best location that will provide maximum illumination. Please take into account the following factors:

- There is 1.2m of cable wound up inside the housing. This is enough cable to allow the light to be installed up to 80cm below deck level. However, to allow for possible future servicing, it is recommended that lights are located no more than 50cm below deck level.
- Lights need to be located on a flat surface, do not install them on curves or bends.
- The rear of the fibreglass or A-G Vinyl pool also needs a flat surface for the lock nut to be tightened properly, so check carefully.
- Locating the lights above a ledge or swim-out is likely to create unwanted shadowing in the pool. Consider locating the lights under the ledge to provide more balanced illumination.
- The most common installation location has the lights shining away from the house (or main viewing area). This means that you will see an illuminated pool, without seeing the source of the illumination.

Installing the EvoFG *(see pictures on next page)*

1. Use a 60mm hole saw to drill through the fibreglass pool wall. If the pool is A-G Vinyl lined – first cut a similar hole in the A-G Vinyl using a knife before the hole is cut.
2. Remove any debris from around the hole. Feed the pool light cable through the hole in the pool wall, fit the pool light Housing into the hole, keeping the Black Gasket in place.
3. Behind the pool wall, pass the cable through the Washer and Lock Nut provided. Ensure the threads on the Housing and Lock Nut are clean from debris. Prior to tightening the Lock Nut, apply a thin bead of neutral cure waterproof silicone sealant on the inside of the pool wall around the hole. Push the housing firmly up against the wall so that the Black Gasket begins to compress against the pool wall with silicone. Position the Housing so that two screw holes are positioned horizontally. From behind the pool wall, slide the Washer up against the rear of the pool wall, and tighten the Lock Nut to ensure a leakproof seal. **PLEASE NOTE: THE BLACK GASKET MUST BE USED, DO NOT REMOVE IT.**
4. The cable can be run back to the transformer, or can be fed through 20mm conduit. If gluing 20mm conduit into the Conduit Cable Seal, only use a small amount of Type N PVC glue.
5. The cable can be shortened before it is connected to the transformer.

Installation Guide Images

1 Drill through pool wall at the desired location with a 60mm hole saw.



2 Feed the cable through the hole.



3 Fit the pool light.



4 Slide plastic washer and lock nut over cable and onto rear of housing.



5 Tighten the lock nut, use multi grips to hold the housing from spinning.



6 Lock nut tightened.



Technical Specifications

Nominal Supply Voltage:	12V ~ (AC) 50/60 Hz
Protection Rating:	IP68 (to 1.5m depth)
Temperature Range:	0°C ~ +40°C water temperature
Power Consumption:	Maximum 20 VA
Light Output (typical):	White – 550 Lumens Blue – 180 Lumens Green – 500 Lumens
Power Factor (typical):	0.62
Max. Supply Current:	1.0A

For use only when immersed in water

For operation only with safety isolating transformer conforming to AS/NZS 61558 series.

Minimum installation depth:

Top of light should be 100mm below normal water level.

Maximum installation depth:

1.5m below normal water level*.

Ensure sufficient cable is wound up to allow future servicing.

Install as per AS/NZS 3000:2018

