

## Enjoying your pool shouldn't be limited to just daylight hours. Maximize your investment by installing pool lights.

Many of us do not have time to swim during daylight hours. Installing underwater pool lights allows you to swim safely and enjoy your recreation time in the pool at night.

Your pool and spa are a feature in your garden. Without lights, your pool feature becomes a black hole at night. A comfortable ambience can be created using lighting. At night your pool can be transformed from a swimming centre to a tranquil, relaxing entertaining area.

### WHAT LIGHTS ARE AVAILABLE ?

Underwater lights are available in two styles. You can install a Surface Mounted Light or a Flush Mounted Light, commonly known as a Niche.

Regardless if your pool is concrete or fibreglass, both styles of lights are easily installed. Vinyl pools are slightly different; your choice will be limited to the Surface Mount Light only.

The Surface Mounted Light is installed on the side of the pool wall. Depending on which brand of light you choose will help to indicate how far the light will protrude from the pool wall.

The Flush Mounted Light is installed inside the pool wall and exposes only the face plate of the light; therefore it sits flush against the pool wall and only minimally protrudes. It is always advisable to discuss which style of light is suitable for your pool with your chosen SPASA member Pool builder.

### HALOGEN VS LED ?

Once you have chosen the exterior of your light you will then need to decide whether the pool light internals should be a Halogen globe or an L.E.D. Light output for either of the above varies according to the brand of light and should be discussed with the light manufacturer or your builder.

The difference between the two: a L.E.D does not require globe changing, and generally will last for many years. They draw very little power which is advantageous. However when the life of the L.E.D is finished you will need to buy a whole new light. It is recommended you check how many hours of burn time you should expect from your L.E.D light.

Halogen lights will require globe changing and the globe's life is significantly shorter than an L.E.D. How often you will need to change the globe will depend on the brand of light and the recommended burn time of the globe. The advantage is you will only need to change the globe, not the entire light. The disadvantage is that a 100 watt Halogen light will draw 75% more power than an L.E.D light.

### SOME INFORMATION TO BE AWARE OF

All underwater lights require a waterproof rating of IPX8 and new installations must not exceed 12V A/C or 30V D/C.

Your light must be water cooled at all times. It must never be turned on unless it is completely submerged in water, otherwise damage will occur. Cable size and cable

length have an effect on voltage. Extending or reducing supplied cable lengths can alter the performance of the light. If you are unsure contact the light manufacturer.

Always ensure your lights are positioned, installed and accessible, leaving enough cable length behind the light for ease of servicing. The depth of the light should be between 300 – 400mm from the top of the coping, any deeper will make the light difficult to service.

Use your pool light at least fifteen minutes per week. This will aid in removing any excess moisture within the light cavity and increase the longevity of your globe.

Positioning and quantity of lights is important. Safety for swimmers at night should be taken into consideration when positioning your lights. To maximize and create pleasing effects seek advice from the underwater light manufacturer or your chosen builder.

