



Underwater solar pool light  
 Model 32008AUTO



**DESCRIPTION**

The LedecSun underwater solar pool light is the first patented system totally autonomous for its operation underwater, without the need of electrical connections for its operation.

The system offers three main features: easy installation in minutes without having to empty the pool reducing costs, use of renewable energy and elimination of wiring, with the possible water leaks associated.

It also allows underwater lighting in installations where there is no possibility, either because of cost or technical impossibilities, to undertake a wiring installation.



**HOW IT WORKS**

The light works thanks to solar energy, its large photovoltaic panels store the energy captured underwater during the day in its batteries, the control electronics is responsible for turning on the luminaire when it gets dark.

It is configured to store one hour of autonomy for each hour of sun exposure submerged. The average autonomy is seven hours to 320 lumens, with seven hours of sun exposure submerged.

In addition to not needing electrical connections, the light bulb operates with a voltage of less than 4 volts, so there is no electrical hazard.

Each unit can illuminate an approximate area of 15 - 20m<sup>2</sup>.

**CONSTRUCTION**

The manufacturing of the light is made with first quality materials and components, fulfilling RoHS certification.

Its unique solid-state seamless encapsulation, with no indoor air, allows for high performance in both solar energy reception and night-time lighting.

With dimensions of 310 mm in diameter, a thickness of 12 mm and a weight of 1.2 kg, free of edges, it is fully integrated without interfering with the use of the pool.



**INSTALLATION**

Unlike traditional systems, there is no need to drill holes or empty the pool for installation. The fixation is done by applying a flexible underwater setting polymer, both chlorinated and saline (included).

Its installation is suitable for swimming pools of concrete, vinyl liner, painted, fiberglass or ceramic pools, both in chlorinated water and saline.

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