



Welcome to a new era of pool lighting solutions.

We at PoolFriend have created a completely new concept in terms of swimming pool lighting solutions. Through our patented systems you get the lighting you chose, no compromises, with maximum energy efficiency, personalized lighting cycles and App control that's easy and intuitive. Additionally, we are proud to bring you a security system that is unique, developed by our team over years of R&D, which monitors your pool to alert you if anyone were to fall in the pool.

Our system, a world first, tracks movement in the water, and even around the swimming pool perimeter itself when somebody approaches it. And because we use our patented sonar solution, our system **works** even if you leave any items in the pool, inflatables, toys ... And in every temperature and lighting conditions.

Thus, for the cost other suppliers are offering you App controlled lights, you get our premium LED lights and additionally our best-in-class and really world-first system to enhance your security and that of your loved ones.

System overview

Our system works mostly like any house alarm you already have at your home and know how to operate. When you are not using the pool, and wish to declare it "closed", you simply arm the system through our App. Should anyone fall in the water, or if you set a heightened detection programme even when someone approaches the pool's perimeter, you will be alerted. Simply chose the setting that best suits you, Normal, Increased, Maximum (amongst other settings) and through our ever-evolving individualized AI program settings your pool is being monitored.

If you have armed the system and movement within or without your pool is detected, you and as many users as you have created, will be alerted through our Apps so you can turn your attention towards it, and also view through the underwater camera what has triggered the alarm. Of course, we have kept in mind that you are not always home, so you can add your neighbours as extra users and, should you not be home, they will also be alerted so they can lend a hand if needed.

In what pertains to lighting alone, you can chose white or REG LEDS, and easily interact with them through our App. Our system offers personalized lighting cycles to maximize impact and minimize consumption, amongst many other options.



System breakdown

Our lighting and safety system is completely modular, allowing a solution for every pool's size and shape. Because our system is 360° you can mostly ignore curves corners when it comes to detection, just focus on how much light you'd like to have in your pool.

Moreover, we are retro compatible with almost all existing installations, so if you have an installed pool with lights and would like to add an extra layer of security, enhancing your pool is simple and can be done by anyone who has the knowledge of installing legacy lighting. Yes, legacy, we have to move on from lights only doing lights.



The system is comprised of three components:

1. At least one PoolFriend sonar-integrated Light. The number of lights required is mostly dictated by the swimming pool's size and how much light you want in your pool. Most swimming pools only require one single sonar equipped light to light the pool and more importantly to track water activity. You can of course increase the number of lamps if you desire more light or want an extra sonar. Of course, when considering more lights, bear in mind our premium lamps use best-in-class LEDs to deliver crisp and quality light too.
2. A switchbox with our control unit hosted inside. Our switchbox hosts our PCB, Wi-Fi and Bluetooth connectivity and an integrated speaker. Additionally, it has easily accessible and numbered connectors so your maintenance person can easily connect sensor lights and normal lights. Our system has been created with ease of installation too, we set our goal to increase security, not increase complexity.

You can optionally plug a standard back-up battery to your switchbox. This will allow your system to run even in the case of a power outage and even power your lights through the night. We will, of course, inform you through our App when this happens so you can take appropriate action.

3. Our cloud server and Apps. Though our system can work offline, we have created our system to work through disconnects our other network issues, our system has been designed with connectivity to our secure server, which relays data to our various Apps.

Our Apps evolve continuously and are how you will interact with both the light and the security features our system provides. Other accessories are planned for release in the coming months, including our cloud connected party speaker which doubles as an IP65 speaker and which also sounds alarms if there is cause.

Thank you for your trust!

At PoolFriend we are humbled by the possibility of being part of your household. We are very proud of our work, to which we have dedicated years of our lives, and vow to make our solutions better every day. We proudly present you our life's work, for the cost of swimming pool lights, we offer you lights and security.



Product Specifications

Item Type	All in 1 Ultra-slim LED Pool Light
Power	35W
LED Quantity	441PCS
Voltage	AC/DC 12-24V, default is AC12V,
Lamp Body Material	STAINLESS STEEL
Lumen	3.500lm
Control method	Android/iOS App or power ON/OFF controlled.
Waterproof	IP68 Can be put into water directly.
Colour	RGBW/RGB Colour changing /Single colour.
Beam Angle	120 degrees.
Dimension	Φ257x25mm/10.14'X1.1'
Use	Wall-mounted & brand niches.
CRI	> 88
Working Frequency	50 ~ 60HZ.
Working Temperature	-40 degree ~ 60 degree.
LED Life	> 50000 hours.
Cable length	30 meters/100feet.
Certificate	CE.ROHS.FCC

Security Features

Detection range:	Over 15 meters, 50 feet.
Perimeter detection range:	Up to 5 meters outside swimming pool.
Detection angle:	360°
Underwater camera:	720p/1080p underwater camera.
Server update frequency:	<1 second.
Backup power:	Up to 12 hours with optional battery.

Product Features

- Resin filled, 100% waterproof underwater lamp.
- 316 Stainless steel material.
- All in 1 installation, supports most brand niches.
- White LED or RGB LED.
- 3mm Super slim frame durable and easy to install.
- Power on/off or App (Android or iOS) controlled.
- AC Voltage with Synchronized function, DC Voltage Without Synchronized function,
- Optional LBS day-night cycle on/off programming reduces power consumption by only turning on when the sun goes down at your current location.
- Optional cloud connected IP65 party speaker with RGB lighting.