



SCUBA: Diving and Rescue

Invented by a police officer, the PowerFlare Safety Light is an essential piece of equipment for SCUBA divers, boaters, and other sports enthusiasts. SCUBA divers, especially those in law enforcement and emergency medical service (EMS) operations, currently have limited options for underwater lighting and safety/rescue beacons.

No more chemical light sticks and cheap blinkers: This compact (4") light emits 360° of ultra-bright LED light, visible for up to 10 miles away. It is waterproof (80') and so tough, you can run it over with a fire truck.

Applications include:

- mark personnel or victims: ID, illumination, safety, triage
- attach to dive lines and buoys
- designate areas/hazards or egress routes
- night dives / cave dives
- search and rescue (SAR): helicopter landing zones
- illumination: 10 multiple flash-patterns, including solid-on for use as lantern and Coast Guard "SOS"

We offer multiple colors, including a special red+blue "combo" unit that is ideal for diving at various depths. Light color changes at depth and as a function of water particulates:

"In clearest water, long wavelength or red light is lost first, being absorbed at relatively shallow depths. Orange is filtered out next, followed by yellow, green, and then blue. Other waters, particularly coastal waters, contain silt, decomposing plant and animal material, and plankton and a variety of possible pollutants, which add their specific absorptions to that of the water. Plankton, for example, absorb violets and blues, the colors transmitted best by clear water. The amount of material suspended in some harbor water is frequently sufficient to alter the transmission curve completely; not only is very little light transmitted, but the long wavelengths may be transmitted better than the short, a complete reversal of the situation in clear water."

[\[reference\]](#)

Unlike flashlights with alkaline batteries or light sticks, PowerFlare units can handle extreme temperatures, can be used in HAZMAT situations (intrinsically safe), and feature an amazing 10 year storage/shelf life with lithium batteries that won't leak. A rechargeable version is also available. The LED bulbs are unbreakable and can operate thousands of hours.

Whether you're out on the water for fun or on the job, having a PowerFlare is a great benefit to your safety.