E/T Light®

Solutions For First Responders

All 4 Colors in 1 Light

IR

Southwest Synergistic Solutions

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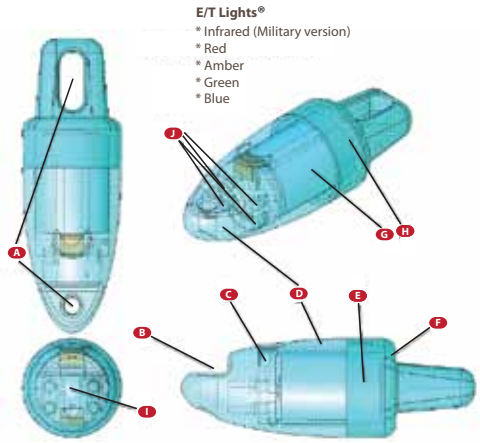

A Attachment Locations (Loops)

B Notched Tip
Designed to aid the user in locating the switch even under blind conditions.

C Recessed Switch
The switch is located inside the body of the **E/T Light®**. This helps prevent the selected condition from being changed inadvertently. The user needs to press into the body of the light.

D Silicon Housing
Used because of its wide temperature usability. The light has been used at ~-20°F for an extended period and did not freeze or get brittle.

E Interference Fit Seal
Water resistant, pressure tested to 66 ft.

F End cap Options
Choose from the cross bottomed magnetic end cap, loop end cap or custom end cap for electronics, storage, flotation, etc.…

G Lithium Battery
Provide longer light function. Our tests show that the red LED will remain on for a minimum of 72 hrs... Blue LED will stay on a minimum of 144 hrs... Green LED will stay on a minimum of 192 hrs. (From 144 hours up to 240 hours when set to blinking) Battery shelf life is 4+ years.

H Easy Battery Removal
Designed to be re-usable/ disposable and economical.

I Software Features/Board Features
The sequence for Version 1 is Press once - Infra-red, press twice blinking Infra-red (60/minute), press a third time- Red, press a fourth time - Green, press a fifth time - Blue, and press a sixth time - light turns Off and sequence restarts.
Emergency Off Feature - If at any time the user presses the switch for over 2 seconds the light will turn off and the sequence will restart.
Selection Memory - The **E/T Light®** has a selection memory. It is very important that the selected condition not change or if the lights were tossed or banged around that the selection remained on. All electronics when thrown around may lose power for milliseconds and subsequently turn off because of interruption of power due to shock. We have solved this issue by building the **E/T Light®** with a memory. So even if the lights are thrown and battery contact is lost. The lights will turn back on to the last selection selected.
Reprogrammable chip - The new boards have programming pads. This was done to customize the color sequence and pulse rates to any sequence or rate desired. You can have the same light wavelength flashing at different rates within each different selection. This also facilitates accommodating special requests for customized operations and inclusion of specific operating sensors.

J Lock Feature
Versions 3 and 4 of the **E/T Lights®** have the lock feature activated. This feature locks in a color selection after it has been left on for over 3 seconds, preventing the patients from re-prioritizing themselves.

K LED's
Used because of their low power consumption and long life. LED's have 100,000 to 200,000 hours of use.

Infra-red LED may be replaced with other colored LED.

Colored LED's may be replaced with different wavelength infrared LED's or different intensity infrared LED's.

"The vast majority of the comments were very positive regarding the exercise where we incorporated several technological innovations, including the triage lights." "We appreciate the efforts of your company to make a user friendly, weatherproof, and robust product to aid first responders in mass casualty incidents."

Jackson-Madison County Regional Health Department
Emergency Response

"After receiving the lights, numerous other uses for the lights have been identified. Not only can they be used to identify patients in the field, but they also can be used in the treatment/transport area by EMS and Nursing staff to quickly identify which patients need to go first. Or, in the event a patient's status changes, the light can be changed quickly. The lights can also be used during recovery operations to identify where rescuers are located." "The lights received great reviews. We are proud to add Triage Lights to our response as sets for future missions."

"We had the opportunity to use the lights during a recent Casualty Care Course and they performed flawlessly" "There are a variety of applications for this lighting system in our industry, and we are pleased to spread the word about these new devices."

SFPA

SSI® SECURITY SOLUTIONS INTERNATIONAL

"I wanted to take this opportunity to let you how we have incorporated your triage lights into our training programs. Since we were made aware of the lights we have been using them in scenarios as it relates to Special Operations, SWAT, EOD, CBRNE, EMT, Tactical Medicine and mass casualty incidents. We have used them to illuminate IEDS, hazardous chemicals such as Anthrax. We also use them to mark cleared rooms and rooms that are a no go. Of course we use them for triaging victims in mass casualty incidents. We recommend the lights highly and truly believe they are an important tool to achieve the two most important things, succeed in the mission while returning home safely. As a company that has provided training to over 1000 agencies in the USA we know the importance of quality products that are rugged enough yet cost effective and easy to use. Your triage lights should be part of all first-responders kits when deployed to the field."

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WINNER Homeland Security

Reduce patient collection times by over 30% with fewer patient errors.

All 4 Colors in 1 Light

E/T Light now associated with the Standardized Equipment List (SEL) numbers [03OE-03-GLRL] System, Marking, Green Line/Red LineAnd [09MS-01-TTAG] Tags and Supplies, Triage .

Free "Disaster ID" App

Android Market

Available on the iPhone App Store

Patents & Patents Pending
7326179, D576323, 7510527, 7674227

www.TriageLights.com

"By failing to prepare you are Preparing to fail"
-Ben Franklin

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The **Emergency/Triage Light** is a newly patented method and device that addresses the need for an effective night time/adverse condition triage system, be 24/7 prepared. Developed in conjunction with United States Special Operating Forces, the **E/T Light®** is combat proven and offers a faster, easier, and more effective way of initially marking and prioritizing individuals for medical care at the scene of various emergency situations. **E/T Lights** are easy to place and provide accurate information relating to a victims degree of injury especially at night or during adverse conditions.

In fact, a study shows that by using lights in triage you reduce patient collection times by over 30% and reduce patient collection errors from 4 errors down to 1 error.

Further, since triage tagging is often performed under the most harried of conditions and confusion is increased when smoke, dust and poor weather conditions obscure the ability to determine the triage status and to fill out a comment card in relation too. The **E/T lights** provide illuminated signals that visually provide the triage status of an injured person/animal at a distance and in low visibility settings such as in the rain, fog, snow, in areas of dense undergrowth and multiple other scenarios. Because of this they are more easily seen at a distance by newly arriving support personnel.

First responders can also use the **E/T lights** for distinguishing between contaminated patients (**Blinking color**) and non-contaminated patients (**Solid color**), route marking, traffic control, perimeter marking, low light illumination and more.

In addition to being used as triage tags, **Emergency/Triage Lights** can take the place of traditional emergency light sources such as chemical light sticks while offering numerous benefits over and above what the chemical light sticks offer.

	E/T Light Life	Chemical Light (CL) Stick Life	Qty utilized
Red	72+ Hours	2 Hours**	36 CL's to 1 E/T Light
Green	192+ Hours	5 Hours**	38 CL's to 1 E/T Light
Blue	144+ Hours	2 Hours**	72 CL's to 1 E/T Light
Blinking Red	168+ Hours	Not Available	N/A
Blinking Green	200+ Hours	Not Available	N/A
Blinking Blue	240+ Hours	Not Available	N/A

** Note- Packaging of the chemical light sticks stated that the products had up to 6 hours of use. My personal test results were that the red and blue chemical light sticks were usable for up to 2 hours. The green chemical light sticks were usable for 5 hours.

- Potential cost savings of over 90%
- Reduction in storage space
- Reduction in logistic and storage costs
- Reduction in weight and volume carried by First Responders
- Reduction in landfill usage
- E/T Light's are reusable and have replaceable silicon nose cones and end caps
- Improves response times of support personnel.

In a novel use of this technology we are proposing that our First Responder agencies recognize a simple method for identifying survivors and non survivors in the aftermath of a disaster. This would empower citizens to help first

responders help them. Today citizens must get on roofs during the DAY and wave to let rescuers know they are there. We are proposing that when a disaster alert is issued people who have not evacuated the affected area should tag children with solid red lights, women are tagged solid green, men are tagged solid blue and pets are solid yellow. Once the disaster passes the survivors click the **E/T Light®** to change from a solid selection to a flashing selection. First responders now turn the night into a friend and do flyovers to gather intelligence in order to pre-plan first light rescue operations. First responders now know the locations of survivors (flashing) and non-survivors (solid). They know the makeup of each group (children, women, men) and they know the condition of the group (how many alive/dead). Specific programming could be set which would let the rescuers know if the victim is alive, injured, etc ... In addition, disaster survivors could use the **E/T Light®** for night illumination, general safety and survival for up to almost two weeks after the initial activation.

The method, design and devices themselves are patent protected. To date patents 7326179, D576323, 7510527 & 7674227 have been issued. Several additional patents are still pending.

Southwest Synergistic Solutions is a minority owned small business and is proud of serving our military and first responder community.