



Cutting Edge I.F.F Signal Lights to Help Support the Mission

Available in Visual, NIR from 860nm to 950nm, and SWIR
from 1050nm to 1550nm



Standard black housing
MOLLE compatible model

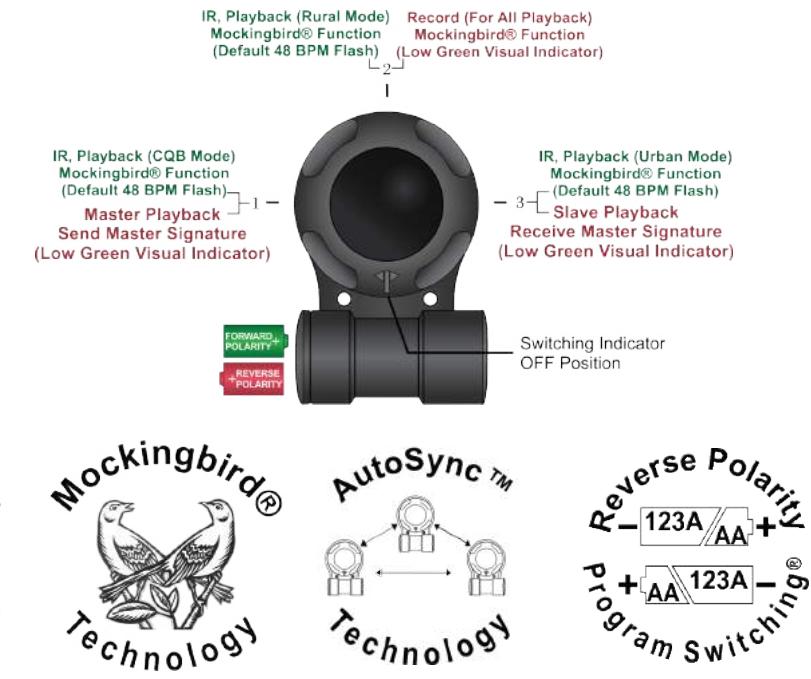
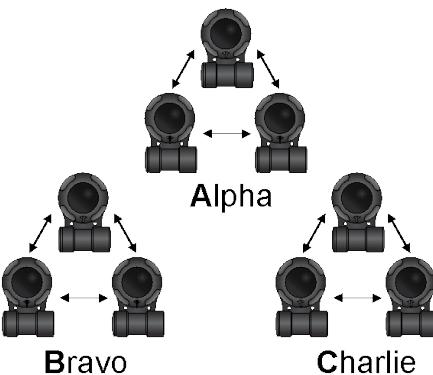


Tan housing model with SWIR lens
mounted onto SHARK Helmet Mount

VIPIR™ CQB Synchro

For advanced Command and Control Operations

- Easily identify groups of soldiers from land or air during tactical & field operations
- Covert, user programmable custom signature emissions can be sent and received between units to form synchronized, individual groups with unique identifiers
- Group identifiers can be easily redefined to relay operational status or disorient enemy intelligence





International Version

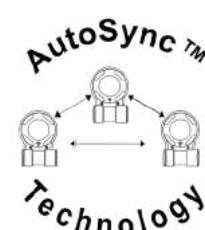
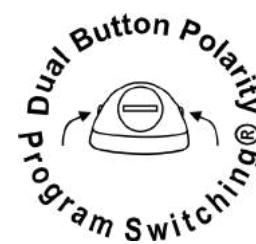


US Version

Trilobyte™ Gen4 Helmet Light

Our full advanced range of capabilities condensed into a product developed specifically for military airborne operations

- Advanced interface makes it easy to use for any dismounted soldier
- Covert, user programmable custom signature emissions can be sent and received between units to form synchronized, individual groups with unique identifiers that can be redefined if needed
- Safeguards to prevent accidental Overt activation
- Controls for adjusting intensity and output color for all functions



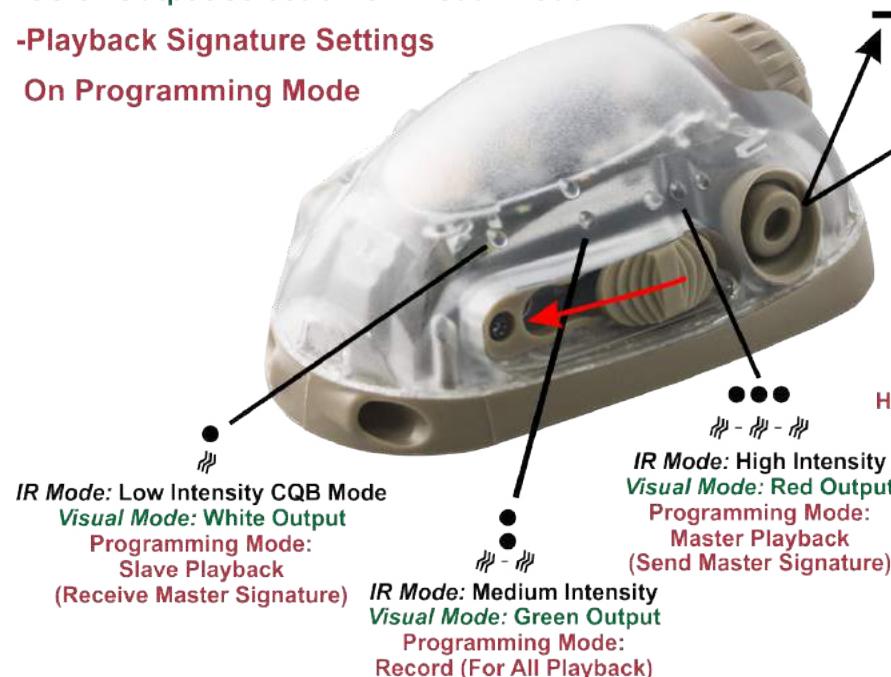
Versatile and Intuitive Capability Set



Left-side Controls

- Intensity settings on IR Mode
- Color Output selection on Visual Mode
- Playback Signature Settings

On Programming Mode



Decrease Intensity
(Within 5 intervals)

Pressing and holding the two side buttons for specific lengths of time will activate the Trilobyte's various Programs:

Hold and count to 1 for *IR Mode*

Hold and count to 3 for *Visual Mode*

Hold and count to 6 for *Programming Mode*

(Going to *OFF* Position will reset to Default Covert Near-IR Mode).

O

OFF / Reset

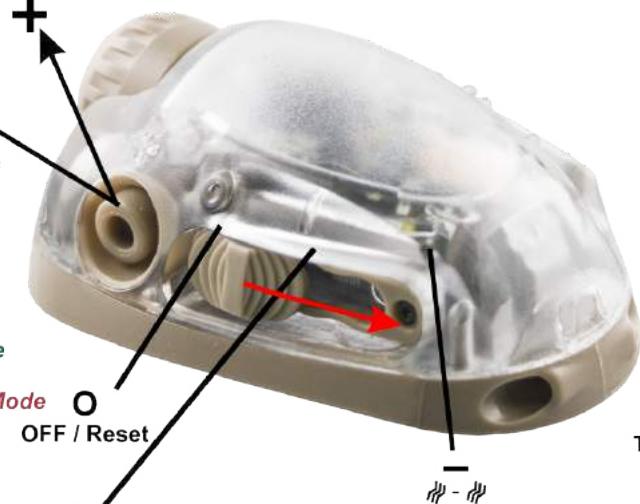
Playback Recorded Signature
(Default Steady-On)

Programming Mode: On / Stand-By



Right-side Controls

- Main functions and OFF switch



Increase Intensity
(Within 5 intervals)

48 BPM Flash
(Synchronized)

One Vibration
Tactile Feedback

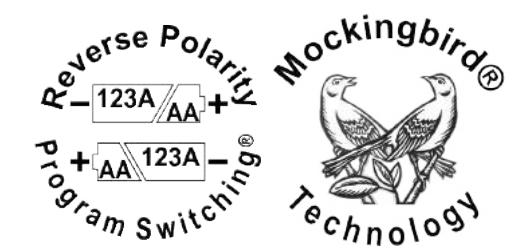
Two Vibration
Tactile Feedback

Three Vibration
Tactile Feedback

Guardian™ Marker Lights



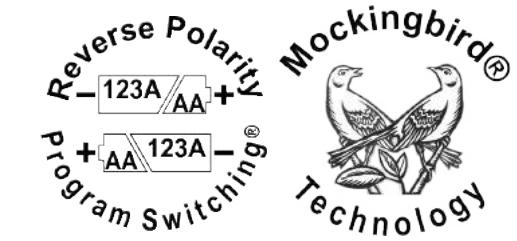
- Compact and inexpensive solution for signal lighting and area marking
- Inter-operable with related VIPIR™ or Trilobyte™ Helmet Lights and technologies
- One-hand operable
- Multiple attachment methods for integrating onto vest, MOLLE and helmet systems

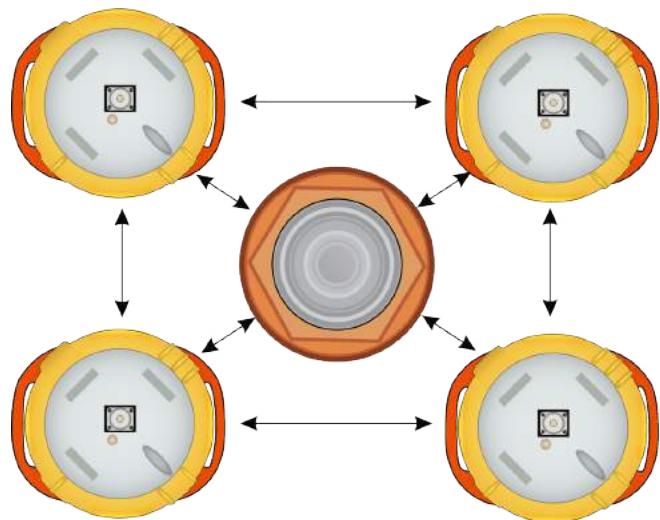


Guardian Trident™



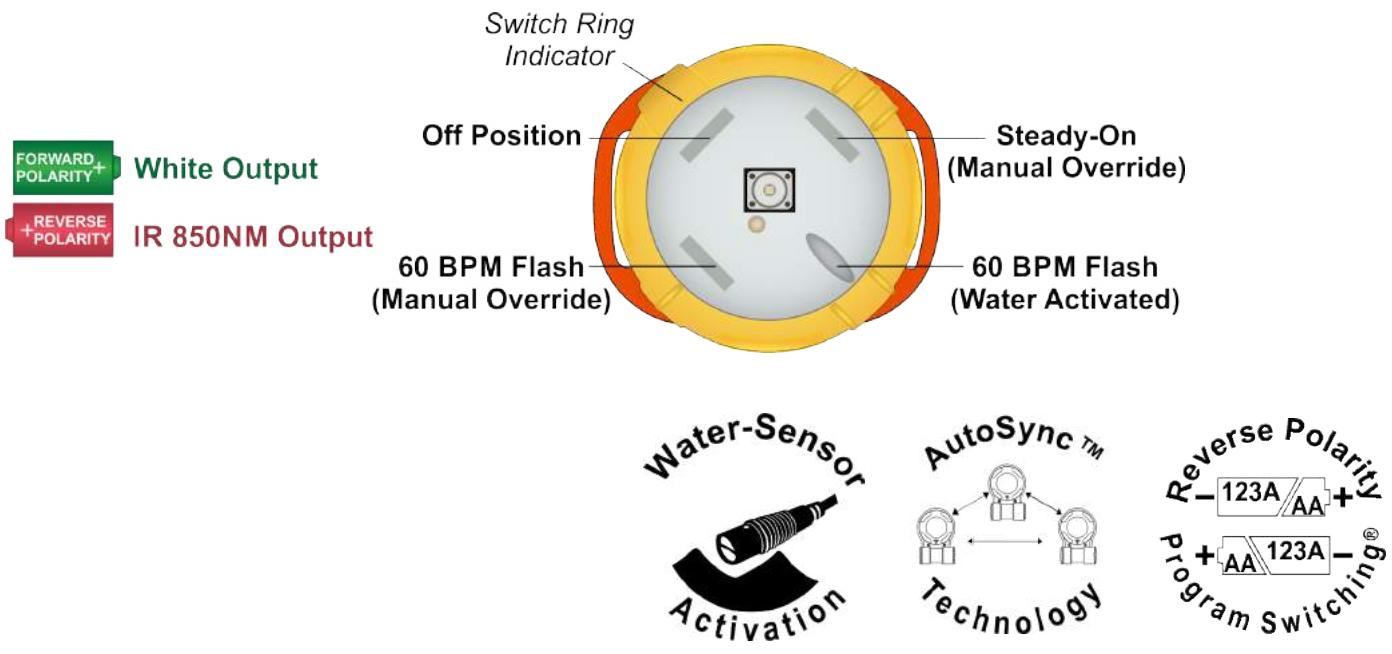
- Up to 6 functions in multiple output colours with Reverse Polarity Program Switching®
- Compact and inexpensive solution for signal lighting and area marking
- Works well alongside VIPIR™ or Trilobyte™ Helmet Lights as supplementary Port and Starboard markers
- One-hand operable
- Multiple attachment methods for integrating onto vest, MOLLE and helmet systems





Guardian Trident Survival™

- Patented mist & splash proof water activation with manual override options
- White output and IR output interchangeable by switching the battery polarity
- Will synchronize with compatible products such as sibling units and our Lighthouse® Raft Lights to increase visibility against light pollution.



Vehicle Marking Light Kit



- Allows for easy, covert identification of vehicles from the air using distinctive flash patterns to identify vehicles in a convoy or operation.
- Features a small, powerful near-IR (NIR) emitter with integrated magnetic base and vehicle power adapter plug.





In Theatre use since 1998

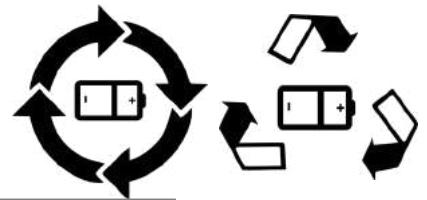
Stealth Illuminator™

- Offers Covert Near IR (NIR) illumination in conjunction with NVG devices
- Already an installed factory kit on many new vehicles
- Can be wired for High, Low or Dual intensity IR output
- Applicable for a wide range of convoy vehicles
- Easily installed and adapted on any vehicle large or small, including Humvees, ATVS, snowmobiles, water craft and many other types of expeditionary vehicles
- IP68 Waterproof rating and extreme impact-resistance meet our internal standards for product quality and reliability

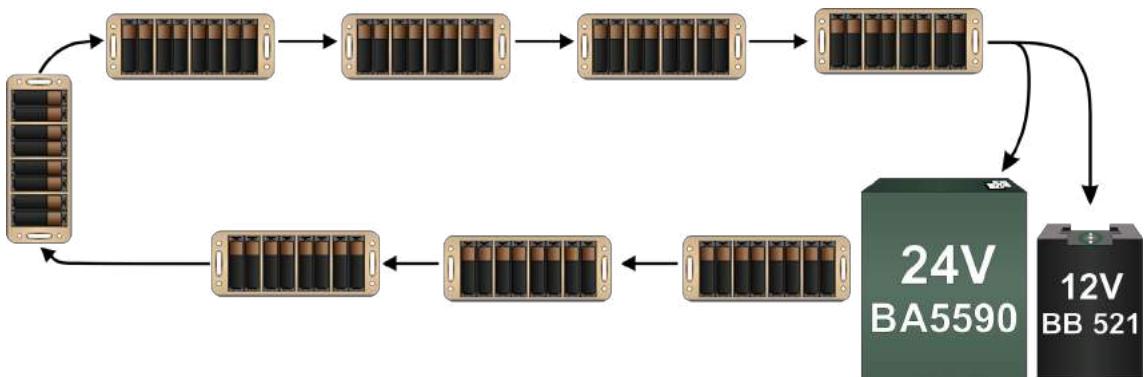
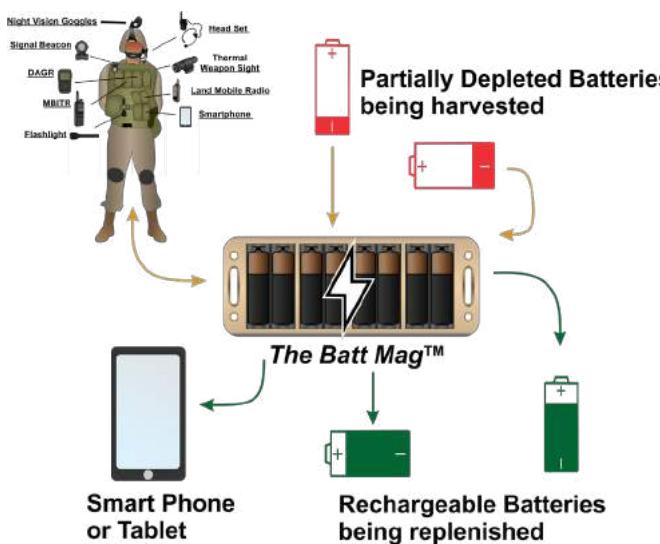




Batt Mag™



- Portable power management system harvests power from partly depleted AA and 123A batteries and redistributes to rechargeable batteries and rechargeable devices, effectively extending mission-critical power.
- Can be daisy chained to charge larger power supplies.
- Can convert 1.5V and 3V systems directly to 5.5 to 12V systems.
- No internal/external power needed to harvest energy
- Weighs less than 1kg without batteries; ergonomically designed to fit standard Double M4 Mag Pouches.



Extreme Products for Extreme Conditions®

- Waterproof up to 100M
- Extreme impact resistance
- Fit on helmets / vests – modular attachment methods
- Reduction of any sharp edges, blast injury mitigation and snag resistance
- Versatile applications
- Multiple accessories that allow products to conform to different mission criteria
- Integrable with our advanced performing software innovations

Proven Ability to Deliver

- Two decades of experience successfully transitioning commercial R&D towards defining and building exactly what our customer's need
- Proven commercialization formula/strategy producing 11 active product lines containing state of the art innovation covered by over 60 national/international patents
- Dozens of prior successes with US and international militaries including diverse, large OEM partners
- Hundreds of Contracts and Awards from US and International organizations

Awards and Collaborations with D & D to Produce Products for the Military



Canadian Innovation Commercialization Program – Pre-Qualified Innovations

SMART Beacon

Call for Proposals: 002

Innovator: Adventure Lights Inc. –
Beaconsfield, Quebec

What is the innovation?

The SMART Beacon system consists of a group of mesh networked ruggedized light beacons that can synchronize themselves to each other's signatures, transmit and receive messages between each other, and send messages and data to a larger over-watch network system. The system can also be overwritten or addressed by a secure outside controller.

How is it innovative?

Each beacon within the system is self-contained for both light signatures and radio frequency (RF) emissions. Waterproof and ruggedized for extreme conditions, these beacons are also able to address each other and interface with outside systems while constantly on the move. Reliable and made to self heal in a relatively low power package this light beacon system is the first of its kind.

Who can benefit from using it?

Military, security and civil authorities who have a need to positively identify their personnel. From Friend and Foe Identification to enhancement and confirmation for enhanced situational awareness, these beacons are ideal. They also excel in command and control applications, civilian crowd control and even in tagging operations.



What are the benefits?

Enhancement of situation awareness, command and control and positive visual identification are a few of the applications these beacons excel at. Visual confirmation in knowing where your people or assets are, which role an individual has in relation to others within his group as well as his or her individual condition are critical in coordinated operations. Members of each group or squad can also communicate between each other through a series of light codes to signify go, no-go and other voiceless command over distance and noise. Hand-off control to a secure external controller can also override the signatures or activate preset signatures to signal, interrogate or verify the group. Besides basic over-watch applications, the beacon system can also communicate through a bridge network to larger over-watch networks.



Build in Canada Innovation Program* – Pre-Qualified Innovations

Battery Harvester

Call for Proposals: 003

Innovator: Adventure Lights Inc. –
Beaconsfield, Quebec

What is the innovation?

The Battery Harvester is a device for harnessing and storing the energy from partly depleted batteries and capable of automatically adapting to variable voltage and variable input and output requirements.

Specifically, the Battery Harvester can drain the power reserves of partly depleted batteries into its internal battery to directly power variable devices, recharge its own internal battery or recharge a secondary power unit such as a cell phone, smart phone or handheld radio. The innovation is also capable of replenishing common rechargeable AA, 123A and 9 volt batteries by reversing the charge stored in its internal battery, a handy advantage when no wall socket or generator can be found.

Aside from using partially depleted batteries the Battery Harvester unit's internal battery can also be charged by external sources such as solar panels, wind generators, or alternatively and when available, household wall sockets or car lighter sockets.



How is it innovative?

Products that automatically adjust for battery inputs from .9 volts to 5.5 volts or automotive products that automatically adjust for voltages from 6 to 48 volts are exceedingly rare. To then also condition power for variable outputs consumed by multiple devices is a further challenge. Variable current requirements, environmental effects, and circuit heat generated that translates to wasted energy, are all factors that need to be overcome. The battery conditioning and the algorithms needed to overcome this challenge in both hardware and software is extensive. This knowledge has been applied to make the Battery Harvester as practical, reliable and as fool proof as necessary for the end user.



Canadian Innovation Commercialization Program – Pre-Qualified Innovations

Clustered Beacon System

Call for Proposals: 002

Innovator: Adventure Lights Inc. –
Beaconsfield, Quebec

What is the innovation?

The Clustered Beacon System is a group of light beacons that can be addressed from a single controller to configure intensity, light signature and colour for each light beacon in the system.

How is it innovative?

The Clustered Beacon System is the world's smallest and most versatile. Each light beacon has integrated RF control and contains five light colours plus near Infra-Red in a palm sized package with no external parts. Each handheld transmitter can control up to six zones of light beacons and assign colour, intensity and light signatures by zone. The beacons' circuits and body form one cohesive unit, making them truly sealed, waterproof and highly impact resistant.

Who can benefit from using it?

All users who have a need for an Expeditionary landing field, marking drop zones for packages or who need a quickly deployed Helicopter Landing Zone would benefit from this small, versatile and durable system. The system also lends itself to a myriad of other uses such as marking safe entry and exit points in crisis management to prioritising triage zones for medical evacuations.



What are the benefits?

Current systems are generally large and cumbersome, and also do not have the flexibility to easily control multiple zones and light colours without additional hardware requirements. The Clustered Beacon System has five of the most used colours plus near Infra-Red in every light beacon and up to six zones can be controlled by one transmitter. It can be used for multiple applications and has a high value added feature set. One system has the possibility to fill multiple roles, reducing weight, logistics and supply requirements while allowing the end user more versatility and applications in the field.



Build in Canada Innovation Program – Pre-Qualified Innovations
The Guardian Trident and Lighthouse Survival Lights

Call for Proposals: 004

Innovator: Adventure Lights Inc. –
Beaconsfield, Quebec

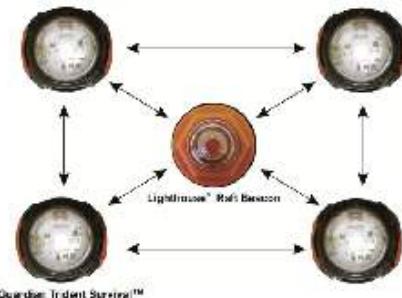
What is the innovation?

The Guardian Trident Survival Light and Lighthouse Light are to be used in distress situations to visually notify rescuers to the location of survivors in man overboard, shipwreck, or aviation water landings, and standard search and rescue operations. The omnidirectional detection lights are activated either manually or through water infiltration, and automatically synchronize with our other lights in the area, be it lifejacket or raft, to form a larger volume light signature. Our ergonomic lights aid users in the correct use of our product and the overall result is a state of the art survival tool that leads to faster detection by rescue aircraft and ships, and ultimately saves lives.

How is it innovative?

Our Guardian Trident and Lighthouse Survival Lights provide auto-sync functions allowing our lights on individuals and on rafts to act as a unified body of light that increases the likelihood of detection. They are ergonomically designed with a locking and vibrating positive feedback switch ring for operation in the dark, raised switch indicators for gloved fingers and reverse polarity program switching to allow for either being seen by the naked eye or through night vision equipment. These survival lights also have unique patented water and pull pin switches to prevent accidental activation in mist, wave, or water spray. They are reusable with replaceable batteries, extremely rugged, and surpass International Convention on Safety of Life at Sea (SOLAS) requirements for brightness and runtime.

AutoSync™ (Automatic Synchronization)



Who can benefit from using it?

Civilians, law enforcement, and military personnel who may find themselves in need of rescue from bodies of water, or on land, should mount the Guardian Trident Lights onto life vests, safety harnesses, flight suits or helmets to serve as survival tools when needed to enhance search and rescue detection from planes and ships. All users will benefit from the unique features which help those in precarious situations, including situations where they may be experiencing hypothermia due to exposure to cold water. Lifeboats should be equipped with a Lighthouse Light so that they can assist in broadcasting a large volume of synchronized light over an extended area and help guide survivors as well as rescuers.

What are the benefits?

Users will appreciate our multifunctional, durable lights that have the capability of saving lives by providing features leading to faster detection and

Thank You!

Adventure Lights Inc. – Canada

Adventure Tactical Inc. – Canada

Adventure Tactical USA LLC

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Contact Phone – 514-892-0464

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jad@adventurelights.com



Quality certification
ISO 2001:2015

We comply with ISO 14001
Environmental Standards