Model L-100 Series LinearStrobe™ (S-EMVNA™)
Single-Station Egress-Marking Visible Notification Appliance™

- Intertek (ETL) Listed to UL 217 & CAN/ ULC s531
- U.S. Department of Homeland Security- SAFETY Act
  "Designated" as a "Qualified Anti-Terrorism Technology" (QATT)

The L-100 Single-Station Series of LinearStrobe™ products are an unmatched powerful new tool to alert, demark and direct occupants during a fire or smoke event. This new technology is an alarm-sound driven directional demarcation visual notifier that can be installed in virtually any interior location to provide occupants "and" rescue personnel, alike, a clear multi-elevation light source for fire & smoke emergency egress. The Single-Station LinearStrobe™ is a Listed, Modular, Wireless, Sound-Activated and Battery-Powered egress-marking visible notification appliance that delivers:

"Multi-elevational visibility from any angle of approach and is... "Always below the smoke layer."™

So inconspicuous that you don't even know it's there...... Until you need it"™

About the Single-Station LinearStrobe™: Model L-100 Single-Station LinearStrobes (S-LinearStrobes): are a UL 217 conforming accessories to Single and Multiple Station Smoke Alarms. The "Single-Station LinearStrobe™ is designed to "visually" alert individuals to the existence of a fire emergency and "visually" assist them in recognizing that alarmed audible smoke detector alarms in the space have been activated and broadcasting their emergency signals. When installed around an exit doorway, the S-LinearStrobe also demarks the exit location at all elevations of the doorway and areas immediately adjacent to it. It is a powerful new tool to direct occupants to safety when smoke alarms in the space are activated.
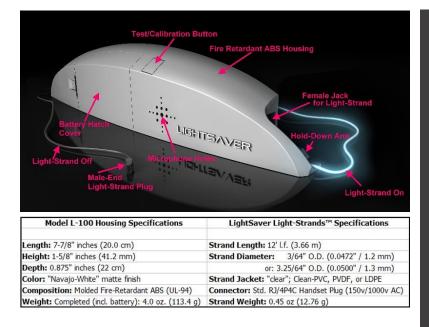
While just as effective for sighted and partially-sighted occupants of a structure when fire and smoke strike, the S-LinearStrobe has a powerfully distinctive and critical utility to those whom cannot hear commonplace smoke detector's alarms when their aurally broadcasted alarm sounds are sounding. The common smoke detector/alarm is generally completely ineffective for the deaf and hard of hearing person. This affordable and easy-to-install technology can be particularly beneficial and useful to the deaf and hard of hearing in private residential settings where visible notification appliances are not required by codes and ordinances and, resultantly, are virtually non-existent in the United States today.

These devices are self-contained, sound-activated, 9VDC battery-powered and are activated when nearby single-station smoke alarms (and often, other audible fire alarms) are activated. The device is also designed to be triggered/activated by many firefighter's P.A.S.S. devices which may be operating within the listening radius of the S-LinearStrobe. This model of the LinearStrobe™ is not interconnected with other notification appliances and does not synchronize its light emissions with other visual notification appliances in a space or a building; like their Integrated LinearStrobe cousins; which are designed for public accommodation, commercial and other ADA controlled settings.

Generally, this version of the LinearStrobe technology's on-board microprocessor, running our proprietary software, samples the ambient background audio in its space or area approximately every few seconds; "listening" for the tonal patterns and frequency values of the audible signal generated by code compliant smoke alarms (and certain other alarms). When these patterns and frequencies are identified, the S-LinearStrobe device's two standard-length 12' long linear luminaries are automatically triggered to flash in a 2Hz flash pattern; highlighting the universally recognized shape of the doorway, an emergency egress window or alternative pre-planned path of egress where installed.

Nearly 20 next generations of the S-LinearStrobe are already covered in LightSaver's intellectual properties worldwide, some of which are in development design stages and/or are proto-typed and in testing today. There is an entire line of products underway to change the way we alert, demark and direct evacuating occupants out of a structure when fire or other emergencies strike.

Model L-100 Housing Specifications	LightSaver Light-Strands™ Specifications
Length: 7-7/8" inches (20.0 cm)	**Strand Length:** 12' l.f. (3.66 m)
Height: 1-5/8" inches (41.2 mm)	**Strand Diameter:** 3/64" O.D. (0.0472" / 1.2 mm)
Depth: 0.875" inches (22 cm)	or: 3.25/64" O.D. (0.0500" / 1.3 mm)
Color: "Navajo-White" matte finish	**Strand Jacket:** "clear"; Clean-PVC, PVDF, or LDPE
Composition: Molded Fire-Retardant ABS (UL-94)	**Connector:** Std. RJ/4P4C Handset Plug (150v/1000v AC)
Weight: Completed (incl. battery): 4.0 oz. (113.4 g)	**Strand Weight:** 0.45 oz (12.76 g)

Tested, Marked & Listed

- o Listed to *UL 217 (US)- Single and Multiple Station Smoke Alarms*
- o Listed to *CAN/ULC-S531 Canadian Standard for Smoke Alarm*
- o "Designated" Technology under the U.S. Department of Homeland Security- Safety Act S&T Directorate
- o Dept. of Homeland Security/SAFETY Act- Qualified Anti-Terrorism Technology (QATT) (through March 31, 2020)

Model L-100 Series of Single-Station LinearStrobes™ are sold as complete ready-to-install kits which include:

- One (1) L-100 LightSaver L-100 Appliance Driver™,
- Two (2) 12' long trim-to-fit LightSaver Light-Strands™ w/slip-on end-caps,
- One (1) roll (40') of LightSaver Easy-Mount Tape Adhesive™ (or special order LightSaver Super-Clear Silicone Adhesive™ & applicator tip),
- One (1) fresh standard 9v alkaline battery, and
- One (1) L-100 User's Manual, Directions & Instructions

Features & Facts

- ✓ "Designated" Technology under the Dept. of Homeland Security- Safety Act
- ✓ Dept. of Homeland Security- Qualified Anti-Terrorism Technology (QATT)
- ✓ Meets All Required Specifications for use,
- ✓ Operates with most code-compliant smoke alarms
- ✓ Activated by most Firefighter P.A.S.S. device alarm tones
- ✓ Uses Standard Replaceable 9V Alkaline Battery,
- ✓ Dependable solid state design works 24-7-365,
- ✓ Up to 6+ Hours Continuous Runtime when alarmed,
- ✓ Up to 1 Year Battery Life,
- ✓ Automatic "Flash-Chirp" - Low Battery Alert,
- ✓ "No Tools Required"; Simple, Quick & Easy Installation,
- ✓ Seamlessly outlines "entire" doorway, high and low elevations including flanking floor areas near floor level,
- ✓ Easy-to-Reach Test-Button & Battery-well location for regularly testing the device or changing battery,
- ✓ Replacement LightSaver LightStrands™ also available,
- ✓ Slim & Subtle Unobtrusive Design, Shape & Navajo White (housing) and Clear LightStrand™ color blends with any décor,
- ✓ Proudly Made and Assembled in the United States.

Other Details

- Luminary Type: Uses (2) 12' length plug-in ready, trim-to-fit LightStrand™ luminaries with slip-on end-caps included.
- Replacement Luminaries: 12' LightSaver Replacement LightStrands™ are available through authorized reps, distributors and dealers throughout the U.S. Varied colored LightStrands are available through special order.
- Mounting Format: LightStrands™ mount with LightSaver Easy-Mount Tape™ (included) or alternative specially formulated Super-Clear Silicone Adhesive™. Clear protective conduit or other mounting means may be available for your application through special order.
- Every device is individually tested before shipment to insure proper operation.
- Available in "Waterproof" version (special-order/pricing).
- Constructed of durable Fire-Resistant, RoHS & Non-Phthalate compliant materials.
- Manufactured and Assembled under strict Certified ISO 9001 and Intertek (ETL) Listing Quality Standards.
- Code Compliant: Meets or exceeds applicable code requirements for low-voltage battery operated sale and use in the US and Canada.
- An American born technology arising from a real-life smoke/fire emergency experience and....Invented, Developed & Made in the USA.

"Multi-elevational, Visible from any angle of approach....and,
Always below the smoke layer..."™

LIGHTSAVER
TECHNOLOGIES, INC.