



UltraLite™-ALS

The UltraLite™-ALS represents the culmination of nearly a decade of forensic research and design work. The scientists involved in the research and design work have extensive experience in forensic light design. The scientists were previously responsible for revolutionary forensic products, from forensic lasers to fingerprint processing chemicals. These scientists worked closely with forensics experts who have a combined experience of over 50 years in finding, processing, documenting, and preparing forensic evidence for criminal prosecution. The result of this work and collaboration is the UltraLite™-ALS.

- **Blue-Merge Technology (BMT™).**

BMT™ is the perfect merging of forensic wavelengths (Patents Pending). It is well established in forensics that shorter wavelengths such as 450 nanometers (nm) are most useful in body fluid, teeth and bone fragment, bite mark and bruise work. While longer wavelengths such as 480 nanometers (nm) are most useful in trace evidence and fingerprint work. BMT™ mixes a unique profile of forensic wavelengths to produce the perfect blend. With BMT™ you only need to go over the scene or evidence one time with one set of glasses, and one filter to complete 99.5% of evidence detection, collection, and documentation work.



- **Power output.**

The UltraLite™-ALS in BMT™ produces over 1000 mill watts of power. This is equivalent to 3 times the power produced by powerful scene argon lasers such as the SceneSweeper™ Argon Laser. The UltraLite™-ALS with BMT™ produces more blue wavelength output power than any other ALS. In order to match the power of the UltraLite™-ALS with BMT™, you would have to purchase a large water-cooled laboratory argon laser with at least 3 watts of output power.

- **Size and weight.**

At a size of 6" x 4.5" x 1.25" and a weight of less than 300 grams (including optional battery pack), the UltraLite™-ALS represents the smallest, lightest weight forensic light system in the world by a large margin. Anyone who has processed a ceiling, stairway, or the inside of a vehicle will appreciate the benefits of such a small, lightweight forensic light system. The size and weight of the UltraLite™-ALS also facilitates unprecedented access to confined areas at a crime scene such as under the dashboard of a vehicle or under the sink in a building.

Key Features

- **BMT™ Technology**
- **Over 1000 mWatt output**
- **Size and Weight**
- **Multi-Source Power Input**
- **Long Bulb Life**
- **Low Price**

The **ONLY** Light You Need

The UltraLite™-ALS with the BMT™ filter completes 99.5% of evidence detection!

- Power requirements.**
 The UltraLite™-ALS comes with a universal AC input. You may run the UltraLite™-ALS off of virtually any AC outlet from 90 volts in Japan to 240 volts in Australia. The UltraLite™-ALS also comes ready to run off of the cigarette lighter in your car. The UltraLite™-ALS can also run off of a battery pack that inserts into the handle in place of the AC power module. The UltraLite™-ALS will operate at full power off of the battery pack for more than two hours.



- Bulb life.** The UltraLite™-ALS produces light by way of Light Producing Semiconductors (LPS). These LPSs do not have delicate filaments and are not 'jar' sensitive. Furthermore, the expected lifetime of an LPS is in excess of 5,000 hours at maximum power output.
- Price.** At less than \$2,000.00 the UltraLite™-ALS basic package is but a small fraction of the cost of other ALS systems and forensic laser systems and is affordable to virtually any police department in the world.

PRODUCT SPECIFICATIONS



Height: 6 inches (15cm)*

Maximum Width: 4.5 inches (10.8 cm)*

Maximum Thickness: 1.25 inches (3.13 cm)*

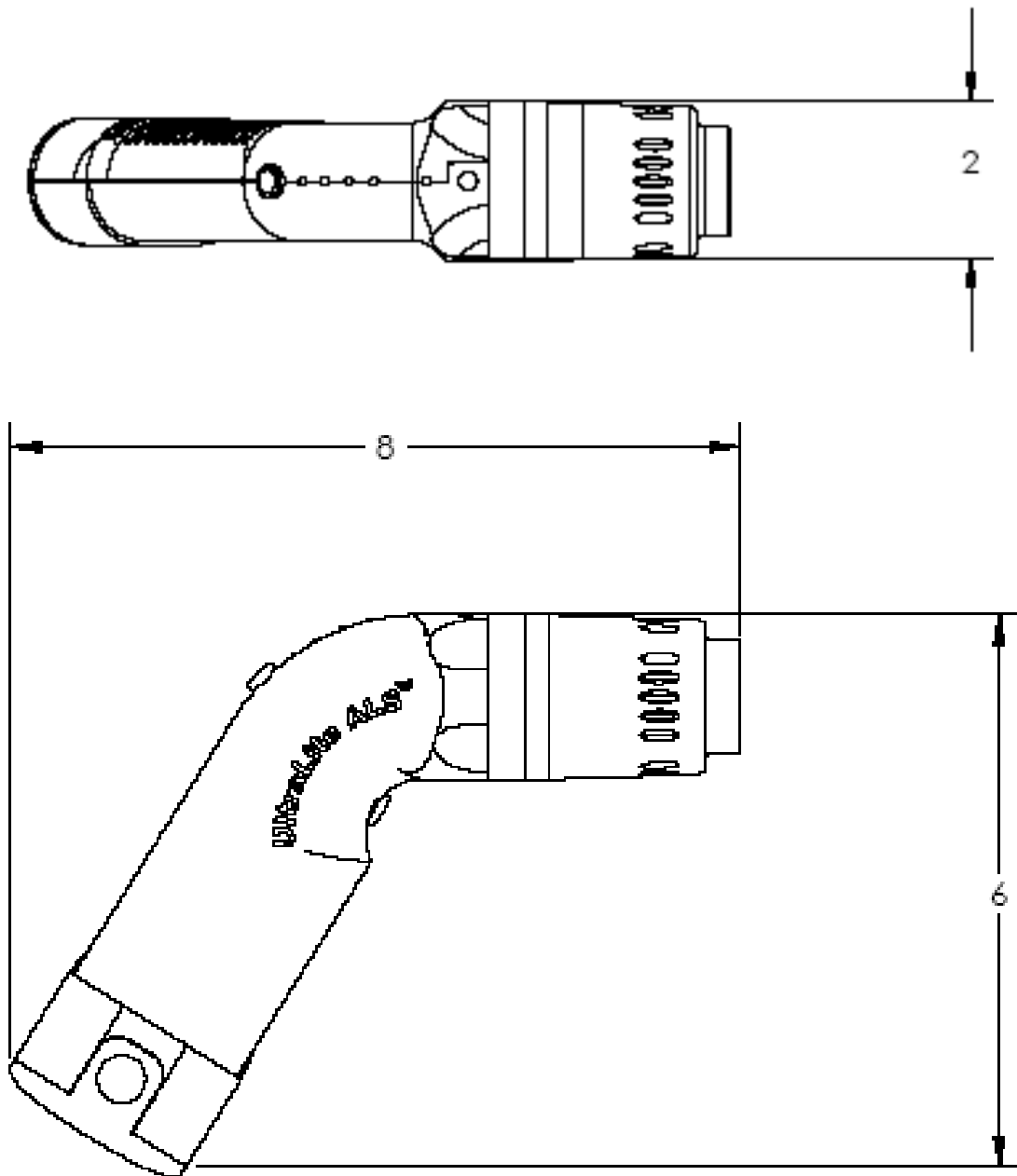
Maximum Weight: <10.58oz (300 grams)*

Power Input: Universal AC Adapter; 90-240VAC, 50/60 Hz; DC Adapter 12VDC; Battery Pack

Power Output: Variable on head and power output selection

*(Head and Battery Pack attached)

MECHANICAL DRAWINGS



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