



LUMATEC®

SUPERLITE 400

MOBILE POLICE LAMP



Compact Mobile

Lamp for all

Forensic and Police

Applications

The main advantages of the new SUPERLITE 400:

- Maximum intensity in the UV, blue and white light.
- Integrated 10-fold filter wheel.
- Fully portable complete forensic kit.
- 60 minutes battery life.
- Basic unit is ideal for laboratory use.

A new lamp technology made it possible to build a mobile forensic lamp which not only supplies more light than all competitors (i.e. 500W Xenon lamp), but is also smaller and lighter.

A prominent feature of this new technology is the up to 10-fold higher output in the ultraviolet spectrum which delivers visibly better results in forensic work.

The technical advantages of the new SUPERLITE 400 forensic kit:

- Markedly improved results at the crime site through better illumination, improved contrast and use of fluorescing technology.
 - The compact lamp and carrying case allow for immediate operation at the crime site from within the carrying case.
 - The integrated battery allows for 60 minutes independent operation; the battery can be replaced by a snap-on mechanism within seconds.
 - Immediate selection of desired spectrum by means of the integrated 10-fold filter wheel.
 - Light is delivered through a highly flexible Liquid Lightguide and focused to a concentrated beam by means of a collimating lens.
 - Extremely intense UV light allows for fluorescence examinations even during daylight.
 - Intense white light allows for photography without flash, making a tripod dispensable.
 - The integrated telescopic arm with ball joint allows use of the SUPERLITE 400 as a spotlight.
 - A patented safety switch on the handle of the lightguide releases the light only on demand; the switch can be locked against accidental operation.
 - A lorgnette with five long pass filters replaces five colored goggles.
 - A newly designed line illuminator greatly improves foot print detection.
 - The mobile kit comprises in one carrying case: SUPERLITE 400, lightguide with collimator, battery and charging unit, three filter goggles, filter lorgnette, and line illuminator.
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Applications of the new SUPERLITE 400

- General search with very powerful UV, blue and white light.
- Collection of evidence in poorly illuminated sites, recesses and containers (engine compartments, drawers etc.).
- Examination of documents for security features during daylight (passports, license plates).
- Verification of bank notes (fluorescing security marks).
- Search for fluorescing trails including negative search (sperm, blood, etc.).
- Direct spotting of foreign fibers on textiles (victim's clothing, car seats, etc.).
- Forensic investigation of manipulated metal structures.
- Examination of chemically treated trails in the laboratory.

Technical data

Spectral range: 320 – 700nm, divided into 10 spectra selectable by filter wheel.

Battery life approx. 60 minutes, recharging time approx. 3 hours.

Length of Liquid Lightguide: 180 cm

Height of fully extended telescopic arm: 140 cm

Dimensions of SUPERLITE 400 with battery: 18(w) x 18(h) x 26(d) cm, weight 6.2 kg.

Dimensions of SUPERLITE 400 without battery: 18(w) x 14(h) x 26(d) cm, weight 3.8 kg.

Dimensions of kit (carrying case): 23(w) x 32(h) x 29(d) cm, weight approx. 8 kg.

Operating voltage light source: 100-240V 50-60Hz

Operating voltage charger: 100-240V, 50-60Hz 12-24V DC (with car adapter cable)
