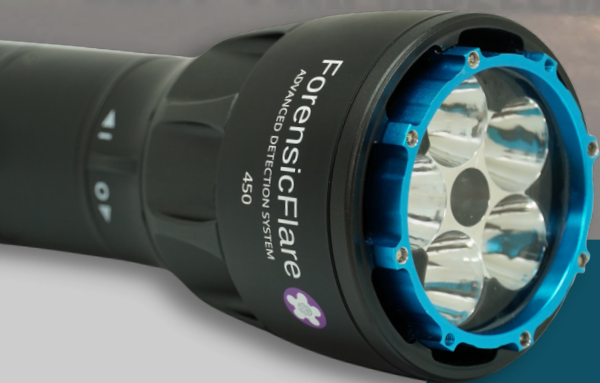


ForensicFlare



ForensicFlare provides a complete range of the best high intensity LED light sources for crime scene investigation and forensic laboratory examination.

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Intro

Introducing ForensicFlare Light

LED On Technologies is a seasoned company in the forensic lighting sector, having developed the renowned Polilight Flare Plus 2. With a proven track record of successful products, including the Polilight Flare Plus 2 that continues to be widely employed by law enforcement and forensic specialists around the world, LED On Technologies is a reliable provider of premium forensic lighting solutions.

LED On Technologies is now ready to introduce a new and improved version to the market. Featuring increased power, a more efficient battery, a highly optimized optic, and improved durability,

ForensicFlare Light is a step above its predecessor and competitors.

ForensicFlare Light is truly our flag-ship product as no compromise has been made to develop and manufacture the most innovative and powerful portable forensic light on the market.

A Leap Forward In Technology

The ForensicFlare Light stands out as the most advanced battery-powered forensic light with unmatched intensity and versatility.

Its optimized optic ensures maximum efficiency in forensics, emitting a powerful, intense, and uniform beam of light on any surface, in any lighting condition.

Equipped with the latest generation of LED technology, this light delivers the best source of light, a long-lasting li-ion battery, and a high-quality optic for the ultimate forensic lighting experience.

ForensicFlare Light

ForensicFlare Light

The ForensicFlare Light is engineered to be the premier forensic light for professionals. Its combination of high performance and rugged durability make it an indispensable tool for any forensic investigation.

Its compact design allows for effortless use and allows the user to easily access the reed switch collar for quick control of features such as ON/OFF, 12 different intensity levels, Airplane mode, SOS, and Strobe.

Constructed to withstand tough conditions, the ForensicFlare Light features durable materials and a TPU self-healing anti-corrosion coating for added protection against saltwater and enhanced durability.

This makes it the perfect choice for professionals who demand the best in forensic lighting.

Intense Performance

As a professional-grade forensic light, the ForensicFlare Light offers exceptional versatility and control. The output intensity is adjustable in 12 steps, enabling the user to fine-tune the light to their specific needs. With a maximum setting of 5500 lumens, it produces more than 500,000 lux, making it much more powerful than previous models.

The 9° full-angle optics ensure a highly uniform, collimated beam with an intense light spot, eliminating incoherent irradiance.

And, when a different beam profile is required, the stackable filters make it easy to switch to another filter for customized beam-profiles.



Next Generation

Powered by next-gen technology

As a result of the latest cutting-edge technology, the ForensicFlare Light offers a leap forward in forensic lighting.

The latest optic design enhances the intensity by up to 500% compared to the Polilight Flare +2 and provides a uniform beam with minimal scatter and minimum incoherent Irradiance.

Working at a Nano-level, instead of the previous micron-level, allows for even greater control of the beam and its capabilities. This enabled the possibility to increase the active area of the optic, improving the effect and intensity of the light.

The ForensicFlare Light represents the pinnacle of design and production, powered by the latest advancements in the most recent technology.

New and improved design

ForensicFlare Light is the industry leader in forensic lighting technology, offering a major breakthrough in the field. It is the most powerful, versatile, and flexible handheld forensic light system available, outperforming all other competitors.

The ForensicFlare Light is the latest in a line of innovative forensic products from the makers of the Flare Plus 2. It combines the best features of its predecessors, enhancing them for even greater power and performance. Its compact design and lightweight construction improve ease of use and reduce hand fatigue, while maintaining top-notch quality, intensity, and operating time.

Built to withstand tough conditions, the ForensicFlare Light is made with high-quality materials, including shock-resistant and anodized aerospace-grade aluminum with a thermoplastic polyurethane coating. It also features a built-in tail light with a battery life indicator and easy access to the charge connector for added convenience.



Customizable

Stackable Filters

The ForensicFlare Light boasts a revolutionary design with new and one-of-a-kind stackable bandpass, barrier, and beam-shaping filters.

The magnetic front ring system ensures a secure fit for the filters and allows for easy customization between changing filters or stacking different types.

The inclusion of 6 bandpass filters, 3 beam-shaping filters, and 4 BarrierCones expands detection capabilities and matches much more expensive short-wave filters on the market.

Powerful battery

The ForensicFlare Light is powered by a cutting-edge multi-cell li-ion battery that provides hours of seamless use without sacrificing output power or incurring overheating.

Charging is simple and quick, with the option to use a vehicle charger for on-the-go charging. The charge status is displayed through a red/blue LED ring on the top of the charging cradle.

BarrierCone.

The ForensicFlare Light is the first to feature the innovative BarrierCone system.

This system offers a more convenient and effective solution for using barrier filters in the field compared to traditional methods such as plastic sheets or other barrier filters.

The BarrierCone is part of the stackable filter system, which can be easily mounted on the front of the ForensicFlare Light and even allows for stacking of multiple filters on top of the BarrierCone making customization convenient and fast.

The BarrierCone effectively blocks unwanted wavelengths and increases the accuracy and efficiency of evidence detection.

Capture High-Quality Images with the BarrierCone, as it provides a convenient solution for forensic photographers to obtain high-quality images by blocking all unwanted wavelengths and only allowing the desired wavelength to reach the camera lens.



Wavelengths

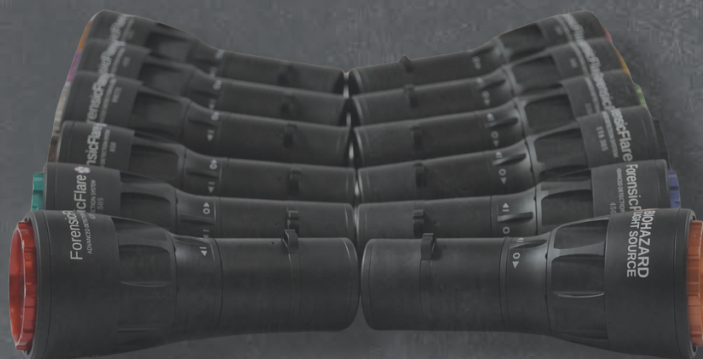
ForensicFlare Light application

<u>Color:</u>	<u>Spectrum:</u>	<u>Goggles/BarrierCone:</u>	<u>Application:</u>
White	400-700nm	Transparent	Illumination, Searching/identifying objects and people Photographing shoe prints Macroscopic particles, dander and hair Detecting drag marks and indented impressions Treated fingerprints Bloodstain patterns on all surfaces
UVC	268nm	Transparent	Fluorescent powder DactoFlare® Powder, Skin trauma
UVA	365nm	Transparent	Bodily fluids, cleaning agents, fats, oils and fluorescent powder.
Purple	415nm	Transparent/Yellow	Fingerprints in blood, bloodstains, DNA, gunshot residue
Blue	450nm	Yellow/Orange	Saliva, semen, urine, and other bodily fluids Ardrox®, Basic Yellow®, DFO, trauma to skin
Cyan	505nm	Transparent	Object and DNA searches at the crime scene Bone fragments, teeth, etc.
Green	530nm	Orange/Red	Bone & tooth fragments, fibres, nanoparticles, DFO, Ninhydrin
Yellow/green	545nm	Red	Objects and DNA searches at the crime scene, Bone fragments, teeth, etc.
Orange	595nm	Orange	Ninhydrin, Background reduction
Red	620nm	Orange/red	Ninhydrin, Background reduction
Infrared	850nm	Transparent	Sweat prints, Ink examination, Identity document forgery, paint analysis, fibers
Infrared	935-965nm	Transparent	Sweat prints, Ink examination, Identity document forgery, paint analysis, fibers

Specifications

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Dimensions	L 168mm x W/Ø Head 74mm, Body 46mm (6.6", 2.9", 1.8")
Weight	540 grams (19 oz)
Battery type	Rechargeable, Li-ion Battery, 11.1 Volts, 3.4 amp.
LED Power	27 watts
Beam divergent	9° full angle.
Operation time	100% output = Approx. 120 min. 50% = Approx. 240 min.
Lumens	5500 Lumens.
<u>Wavelength available</u>	UVC 268nm UVA 365nm Purple 445nm Blue 450 Cyan 505nm Green 530nm Yellow/Green 545nm Orange 595nm Red 620nm IR 850nm IR935-965nm White 400-700nm
Material	Anodized Aluminum with TPU self-healing anti corrosion coating.
Compliance	CE, UL & RoHS.
IP Rating	IP64 rating.
Features	Multi-function reed switch collar, ON/OFF, Adjustable intensity output, Strobging, SOS, Airplane lock mode, Activation sequence, Battery and Charge indicator, Stackable filters and BarrierCone.
Adjustable intensity output	Intensity dimming = 12 steps.
Operating temperature	-10°C to +60°C; 45-95% RH (14°F to 140°F)
Cleaning	Use ordinary cleaning detergent or rubbing alcohol.
Charge time	0-100% = 60 minutes.
Charge direction	Charge dock – Horizontal or Vertical.
Stackable Accessories	Beam shaping filters (8°, 30°, 70*5°) Bandpass filters (365, 415, 450, 505, 530, 545) BarrierCone (Transparent, Red, Amber, Yellow)





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