The Crime-lite® 42S provides three different illumination wavebands in a single high specification light source.

Two arrays of 8 LEDs of differing wavebands can be used alternately or in combination for the fluorescence examination of evidence including, blood, fibres, accelerants, gun shot residues, and chemically treated fingerprints.

One Crime-lite
Two LED colours
Three wavebands

Crime-lite®
The first high intensity dual-colour forensic Crime-lite® for crime scene and laboratory applications

- Unique 16 LED dual-colour alternate light sources
- Switch between wavebands at the touch of a button
- Dual waveband anti-glare camera filters and goggles

The Crime-lite® 42S provides three different illumination wavebands in a single high specification light source.
The Crime-lite®42S, switchable between two arrays of 8 high intensity LEDs, provides the forensic examiner with three illumination outputs in a single alternate light source.

Using a simple 3-way control the examiner is able to alternate between two narrowband wavelengths or to use all 16 LEDs to provide high intensity wideband illumination.

The ability to detect evidence is enhanced by using differing wavebands and allows forensic examiners to reduce search times.

Crime-lite 42S light sources are available in the following combinations:

- White 400-700nm & Blue 420-470nm
- UV 350-380nm & Violet 395-425nm
- Blue 420-470nm & Blue/Green 445-510nm
- Blue 420-470nm & Green 480-560nm
- Blue 420-470nm & Red 600-660nm
- Green 480-560nm & Orange 570-610nm
- Yellow 540-590nm & Red 600-660nm
- Infrared 800-900nm & UV 350-380nm NEW

**PRODUCT FEATURES**
- 16 high intensity LEDs, 8 of each chosen wavelength
- Constant light output throughout battery charge
- High capacity rapid charge lithium ion battery
- Robust high specification construction

**EXAMINATION FEATURES**
- Easily switch between wavelengths
- 10%, 30%, 50% or 100% dimming levels
- Shadow-free beam
- Supplied with twin-filter viewing goggles

<table>
<thead>
<tr>
<th>LEDs</th>
<th>16 x high efficiency LEDs (8 of each selected wavelength)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Runtime</td>
<td>Continuous with AC adaptor or up to 750 minutes with battery.</td>
</tr>
<tr>
<td>Battery charge time</td>
<td>22 minutes</td>
</tr>
<tr>
<td>Weight</td>
<td>560g</td>
</tr>
</tbody>
</table>
## Crime-lite 42s Applications

**Fingerprints on plastic bag**
1. Plastic bag is treated with PolyCyano UV.
2. Under UV illumination fingerprints become clearly visible with excellent contrast and ridge detail.

**Blood on dark fabric**
1. Blood on black woolen glove
2. The colour of the glove ‘drops out’ under IR leaving the blood stain highly visible

## Trace evidence
- Hair
- Fibres
- Blood spatter
- Bruising

## Accelerants
- Petrol
- Diesel
- Lighter fluid
- Methylated spirits

## Fingerprints
- Fingerprint on plastic bag
- Blood stains
- Blood spatter
- Body bruising & bite marks
- Body fluids
- Bone & tooth fragments
- Hair
- Fibres
- Gunshot residues
- Some drug residues
- Accelerants
- Redwop
- Nanoparticles
- DFO
- Greenwop
- Rhodamine 6G
- Basic yellow
- Acid yellow
- Ardrox
- Magnetic red powder
- Ninhydrin
- fpNatural 1 IR Powder
- General mixed debris
- General contrast search
- Shoeprints & dust marks

### CRIME-LITE COLOUR

<table>
<thead>
<tr>
<th></th>
<th>WHITE</th>
<th>VIOLET</th>
<th>BLUE</th>
<th>GREEN</th>
<th>ORANGE</th>
<th>RED</th>
<th>INFRARED</th>
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<tr>
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<tr>
<td>Body bruising &amp; bite marks</td>
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<td>✓</td>
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<tr>
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<td>✓</td>
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<td>✓</td>
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<td>✓</td>
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</table>

---
Foster + Freeman Crime-lites® are available individually or as cased kits.

Below are a selection of standard kits that meet the requirements of the majority of Crime-lite® users, if you would like to specify your own custom kit please contact our sales office or your local Foster + Freeman agent.

<table>
<thead>
<tr>
<th>Crime-lite® light sources included in kit</th>
<th>WHITE</th>
<th>UV</th>
<th>BLUE</th>
<th>BLUEGREEN</th>
<th>GREEN</th>
<th>YELLOW</th>
<th>RED</th>
<th>IR</th>
<th>82L</th>
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<td>QCL/42S/2KIT</td>
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<tr>
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<tr>
<td>CRIME-LITE® 42S/82L KIT</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QCL/42S/82L/5KIT</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>CRIME-LITE® 42S BEYOND VISIBLE KIT</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<td>✓</td>
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</tbody>
</table>

Crime-lite 42S UV/IR Beyond Visible Kit

The new Crime-lite UV/IR Beyond Visible crime scene search kit provides investigators with a powerful search tool for the detection of blood, fingerprints, body fluids and other forensic evidence that can only be seen beyond the visible spectrum.

- Crime-lite 42S Ultraviolet/Infrared light source
- 5MP auto-focus camera module
- Ruggedized tablet PC and holding frame
- Waterproof carry case with essential accessories

**Crime-lite Kit Accessories**

Included as standard in every cased kit

**VIEWING GOGGLES & CAMERA LENS FILTERS**
- Anti-glare viewing goggles.
- Dark adaptation goggles.
- Anti-glare 62mm camera filters and filter pouch.
- UV safety glasses (where required).

**CRIME-LITE® POWER KIT**
- 2 x rechargeable batteries.
- Fast battery charger.
- Battery adaptor.
- Battery pouch with shoulder strap.
- AC adaptor.

**SCENE OF CRIME CASE**
- SOC case to accommodate all light sources in kit.
- Crime-lite Eye darkness adaptation checker.
- Two detachable belt clips and lanyards.
Crime-lite® Camera Filters & Goggles

When examining evidence using high intensity illumination, light reflected from background surfaces cause standard viewing filters to fluoresce, reducing the visibility of fluorescent evidence.

Manufactured using Schott glass with an additional long-pass coating, Foster + Freeman anti-glare filters eliminate the problem of filter fluorescence and are essential for the examination of fluorescent evidence.

DUAL-FILTER ANTI-GLARE VIEWING GOGGLES (INCLUDED IN CRIME-LITE 42S CASED SETS)

Each pair of goggles includes two filters allowing the user to quickly and easily switch between illumination wavebands.

<table>
<thead>
<tr>
<th>For use with Crime-lite 42S:</th>
<th>UV &amp; Violet</th>
<th>Blue &amp; Green</th>
<th>Blue &amp; Blue/Green</th>
<th>Green &amp; Orange</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filter</td>
<td>UV</td>
<td>Yellow</td>
<td>Yellow</td>
<td>Red</td>
</tr>
<tr>
<td>Wavelength</td>
<td>420nm</td>
<td>495nm</td>
<td>495nm</td>
<td>645nm</td>
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<tr>
<td>1% transmission</td>
<td>455nm</td>
<td>590nm</td>
<td>550nm</td>
<td>590nm</td>
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<tr>
<td>Product Code</td>
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<td>QCL/42/01</td>
<td>QCL/42/02</td>
<td>QCL/42/03</td>
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</tbody>
</table>

CAMERA FILTERS (INCLUDED IN CRIME-LITE 42S CASED SETS)

Camera lens filters are supplied in single wavebands, thread size 62mm (other sizes available upon request)

<table>
<thead>
<tr>
<th>For use with Crime-lite 42S:</th>
<th>Violet</th>
<th>Blue</th>
<th>Blue/Green</th>
<th>Green</th>
<th>Orange</th>
<th>UV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filter</td>
<td>Pale Yellow</td>
<td>Yellow</td>
<td>Orange</td>
<td>Bright Red</td>
<td>Red</td>
<td>UV</td>
</tr>
<tr>
<td>Wavelength</td>
<td>455nm</td>
<td>495nm</td>
<td>550nm</td>
<td>590nm</td>
<td>645nm</td>
<td>420nm</td>
</tr>
<tr>
<td>1% transmission</td>
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<td>476nm</td>
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<td>571nm</td>
<td>624nm</td>
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<td>QCL/154</td>
<td>QCL/156</td>
<td>QCL/82S/017</td>
<td>QCL/157</td>
</tr>
</tbody>
</table>

NARROW BAND TRIMMING FILTERS

Narrow band trimming filters clip-on to the Crime-lite® 42S further reducing the output bandwidth reducing interference from background or substrate fluorescence.
Crime-lite® Accessories

CRIME-LITE® VIEWING BOX

For use with the Crime-lite® 42S and 82S, the Crime-lite® Viewing Box provides complete ambient light shielding for visual and photographic examination of evidence.

- Crime-lite® Viewing Box QCL/215 1
- Basic camera stand QCL/216 2
- Lens bellows QCL/217 3
- Lens bellows adaptor QCL/218 4

CRIME-LITE® BEYOND VISIBLE SEARCH KIT

For use with the Crime-lite® 42S UV/IR and the 82S IR, the Crime-lite® Beyond Visible Search Kit provides a complete portable solution for searching the crime scene and the examination of evidence using infrared illumination.

- Crime-lite® UV-Vis-IR Camera QCL/82S/CAM 1
- Ruggedized tablet PC QCL/253 2
- Holding Frame QCL/252 3
- UV/IR Pass Camera Filter QCL/254 not shown

POWER SUPPLY COMPONENTS & CARRY CASES

- Rechargeable battery (Requires adaptor) QCL/82S/008B +
- Battery charger 22 minutes charge time QCL/82S/009 +
- Vehicle battery charger 60 minutes charge time QCL/82S/010
- Battery adaptor for rechargeable battery QCL/82S/011 +
- AC adaptor 90-240V input QCL/80 +
- Battery pouch with nylon strap QCL/82S/012 +
- SOC case Large QCL/82S/014 Small QCL/82S/013
- SOC trolley & strap Carries SOC cases QCL/206
- Telescopic pole Extendable to 880mm QCL/85
- Wrist lanyard Prevents dropping QCL/82S/023 +
- Crime-lite Eye Dark Adaptation Checker QCL/264 +
- Dark Adaptation Goggles QCL/266 +

† Items supplied in Crime-lite 42S Kit

*Camera not included

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46030 Manekin Plaza | Suite 170 | Sterling | VA 20166 | USA
Tel: 888 445 5048 | usoffice@fosterfreeman.com

fosterfreeman.com