Engineered to meet the needs of the forensic examiner the Crime-lite® 82 range includes ten high intensity light sources from UV to IR.

Crime-lite® 82

A complete range of high intensity LED light sources for crime scene investigation and forensic laboratory examination

- The highest output handheld forensic light source in its class
- 16x high intensity LEDs provide unsurpassed shadow-free beam quality
- 100% light output, 100% of the time regardless of battery drain

Engineered to meet the needs of the forensic examiner the Crime-lite® 82 range includes ten high intensity light sources from UV to IR.
Engineered to meet the needs of the forensic examiner the Crime-lite® 82 range includes ten models to suit a wide variety of evidence types.

With a demonstrably high quality of performance and construction the Crime-lite® 82 range stands head and shoulders above its competitors as the premium LED forensic light source.

Product features

- Fitted with 16 high power LEDs
- Constructed from anodised aluminium
- Angled compact heads for ease of use
- Lightweight, high capacity batteries
- Up to 750 minutes* of operating time on fully charged battery
- Battery charge time only 36 minutes

Why Choose Crime-lite®?

High quality of design and construction

LEDs selected for peak performance and wavelength

100% light output regardless of battery drain

Worldwide product support

High power to weight ratios

Compact and energy efficient

* Battery runtime dependent on illumination wavelength
Nine forensic light sources providing intense collimated, shadow-free light that maximises the clarity of evidence. The range includes UV, violet, blue, blue-green, green, orange, red and infrared for detecting blood, body fluids, drugs and fibres at the crime scene as well as for examining chemically treated fingerprints in the laboratory.

A white light model with variable intensity (10%, 30%, 50%, 100%) is also available for general search and is supplied with red, green and blue slide-on filters to enhance the contrast of evidence found on coloured backgrounds.

Crime-lite® 82S kits are supplied with a complete range of accessories including anti-glare viewing googles and camera lens filters designed to provide maximum optical performance when used alongside high power light sources.

---

**Crime-lite® 82S**

**High intensity forensic light sources for the investigation of serious crime**

<table>
<thead>
<tr>
<th>Output</th>
<th>10% band width</th>
<th>Peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>400-700nm</td>
<td>-</td>
</tr>
<tr>
<td>UV</td>
<td>350-380nm</td>
<td>365nm</td>
</tr>
<tr>
<td>Violet</td>
<td>395-425nm</td>
<td>410nm</td>
</tr>
<tr>
<td>Blue</td>
<td>420-470nm</td>
<td>445nm</td>
</tr>
<tr>
<td>Blue/Green</td>
<td>445-510nm</td>
<td>475nm</td>
</tr>
<tr>
<td>Green</td>
<td>480-560nm</td>
<td>520nm</td>
</tr>
<tr>
<td>Orange</td>
<td>570-610nm</td>
<td>590nm</td>
</tr>
<tr>
<td>Red</td>
<td>600-660nm</td>
<td>640nm</td>
</tr>
<tr>
<td>Infrared</td>
<td>800-900nm</td>
<td>860nm</td>
</tr>
</tbody>
</table>

**LEDs**

- 16 x high efficiency LEDs

**LED Power Output**

- Up to 19W

**White LED Output**

- Up to 5280 Lumens

**Runtime**

- Continuous with adaptor

**Battery life**

- up to 750 minutes

**Charge time**

- 22 minutes

**Weight**

- 560g

*Dependent on illumination wavelength*
The Crime-lite® 82L is a new high intensity forensic light source that provides an alternative beam profile for locating evidence at the crime scene.

Sixteen white LEDs are mounted behind a cylindrical lens to give a wide ‘linear’ light beam that is ideal for detecting surface debris and shoe prints in dust.

Accessories include red, green, blue and yellow clip-on filters to enhance contrast and a telescopic pole which adds convenience for prolonged floor searches.

The Crime-lite® 82L can be either AC powered, for continuous operation, or operated from a battery pack which, when fully charged, will provide an operational time of up to 600 minutes.
**Crime-lite® Applications**

**Blood stains**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Blood spatter**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Body bruising & bite marks**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Body fluids**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Bone & tooth fragments**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Hair**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Fibres**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Gunshot residues**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Some drug residues**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Accelerants**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Redwop**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Nanoparticles**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**DFO**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Greenwop**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Rhodamine 6G**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Basic yellow**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Acid yellow**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Ardrox**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Magnetic red powder**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Ninhydrin**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**fpNatural 1 IR powder**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**General mixed debris**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**General contrast search**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**Shoeprints & dust marks**
- ✓ INFRARED
- ✓ UV
- ✓ BLUE/GREY
- ✓ GREEN
- ✓ ORANGE
- ✓ RED
- ✓ WHITE

**UV examination**
- Visible
- PolyCyano treated fingerprints
- UV 350-380nm no filter

**Blue examination**
- Visible
- Body fluids on coloured fabric
- Blue 420-470nm, 495nm filter

**Green examination**
- Visible
- Fibres detected on office chair
- Green 490-560nm, 590nm filter

**IR examination**
- Visible
- Dried blood on black fabric
- IR 800-900nm, IR only filter
Foster + Freeman Crime-lites® are available individually or as cased kits containing all of the accessories required to begin searching for and examining evidence.

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.

### Crime-lite® light sources included in kit

<table>
<thead>
<tr>
<th>Cased Kits</th>
<th>WHITE</th>
<th>UV</th>
<th>VIOLET</th>
<th>BLUE</th>
<th>BLUE/GREEN</th>
<th>GREEN</th>
<th>ORANGE</th>
<th>RED</th>
<th>82L</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIME-LITE® 82S BASIC SEARCH KIT&lt;br&gt;QCL/82S/UVVB</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRIME-LITE® 82S 6 LIGHT KIT&lt;br&gt;QCL/82S/6KIT</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>CRIME-LITE® 82 7 LIGHT KIT&lt;br&gt;QCL/82SL/7KIT</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>CRIME-LITE® 82S 8 LIGHT KIT&lt;br&gt;QCL/82S/8KIT</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>COMPLETE CRIME-LITE® 82 KIT&lt;br&gt;QCL/82SL/9KIT</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

### Crime-lite Kit Accessories

Included as standard in every cased kit

**VIEWING GOGGLES & CAMERA LENS FILTERS**

- anti-glare viewing goggles.
- anti-glare 62mm camera filters and filter pouch (other size filters available on request)
- Kits containing a UV light source also include UV safety glasses.
- Kits that include a white light source include blue, green, and red slide-on contrast filters.

**CRIME-LITE® POWER KIT**

- 2 x rechargeable batteries.
- fast battery charger.
- battery adaptor.
- battery pouch with shoulder strap.
- AC adaptor.

**SCENE OF CRIME CASE**

- Either a medium or large SOC case with machined foam cut-outs to accommodate all light sources in kit.
- two detachable belt clips and wrist lanyards.

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Crime-lite products are classified to EU safety standard EN62471:2008
Crime-lite Camera Filters & Goggles

ANTI-GLARE CAMERA FILTERS AND VIEWING GOGGLES
(INCLUDED IN CRIME-LITE 82S CASED SETS)

Crime-lite® 82S anti-glare camera filters and viewing goggles are essential accessories and are required for the examination of fluorescent evidence.

Foster + Freeman camera filters and viewing goggles are manufactured with Schott glass and feature an additional long-pass coating to suppress auto-fluorescent emissions from the filter glass, thus ensuring maximum optical performance with high power light sources.

<table>
<thead>
<tr>
<th>Filter</th>
<th>Pale Yellow GG455</th>
<th>Yellow GG495</th>
<th>Orange OG550</th>
<th>Bright Red OG590</th>
<th>Red RG645</th>
<th>UV GG420</th>
<th>IR Safety</th>
</tr>
</thead>
<tbody>
<tr>
<td>For use with...</td>
<td>Violet Crime-lite</td>
<td>Blue Crime-lite</td>
<td>Blue/Green Crime-lite</td>
<td>Green Crime-lite</td>
<td>Orange Crime-lite</td>
<td>UV Crime-lite</td>
<td>IR Crime-lite</td>
</tr>
<tr>
<td>Wavelength</td>
<td>455nm</td>
<td>495nm</td>
<td>550nm</td>
<td>590nm</td>
<td>645nm</td>
<td>420nm</td>
<td>-</td>
</tr>
<tr>
<td>1% transmission</td>
<td>435nm</td>
<td>476nm</td>
<td>529nm</td>
<td>571nm</td>
<td>624nm</td>
<td>408nm</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Camera filters</th>
<th>QCL/152</th>
<th>QCL/153</th>
<th>QCL/154</th>
<th>QCL/156</th>
<th>QCL/82S/017</th>
<th>QCL/157</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viewing goggles</td>
<td>QCL/147</td>
<td>QCL/148</td>
<td>QCL/149</td>
<td>QCL/151</td>
<td>QCL/82S/016</td>
<td>QCL2/014 safety glasses</td>
<td>-</td>
</tr>
</tbody>
</table>

OPTIONAL NARROW BAND TRIMMING FILTERS

Narrow band trimming filters clip-on to the Crime-lite® 82S in order to further reduce the output bandwidth preventing interference from background or substrate fluorescence.

<table>
<thead>
<tr>
<th>Filter</th>
<th>Wavelength</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Violet</td>
<td>410nm</td>
<td>QCL/82S/018</td>
</tr>
<tr>
<td>Blue</td>
<td>448nm</td>
<td>QCL/82S/019</td>
</tr>
<tr>
<td>Blue/Green</td>
<td>475nm</td>
<td>QCL/82S/020</td>
</tr>
<tr>
<td>Green</td>
<td>522nm</td>
<td>QCL/82S/021</td>
</tr>
<tr>
<td>Orange</td>
<td>597nm</td>
<td>QCL/82S/022</td>
</tr>
</tbody>
</table>

EVIDENCE SPECIFIC BANDPASS FILTERS

Bandpass filters isolate a band of wavelength from the total spectrum and have been tailored for use in the detection of specific evidence types.

<table>
<thead>
<tr>
<th>Evidence type</th>
<th>Wavelength</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood</td>
<td>415nm</td>
<td>QCL/222</td>
</tr>
<tr>
<td>Body Fluids</td>
<td>530nm</td>
<td>QCL/223</td>
</tr>
<tr>
<td>Body Fluids</td>
<td>550nm</td>
<td>QCL/224</td>
</tr>
</tbody>
</table>

VIEWING GOGGLES

<table>
<thead>
<tr>
<th>Evidence type</th>
<th>Wavelength</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood</td>
<td>415nm</td>
<td>QCL/219</td>
</tr>
<tr>
<td>Body Fluids</td>
<td>530nm</td>
<td>QCL/220</td>
</tr>
<tr>
<td>Body Fluids</td>
<td>550nm</td>
<td>QCL/221</td>
</tr>
</tbody>
</table>

Camera filters and viewing goggles are manufactured with Schott glass and feature an additional long-pass coating to suppress auto-fluorescent emissions from the filter glass, thus ensuring maximum optical performance with high power light sources.
**Crime-lite® Accessories**

**CRIME-LITE® 82S INFRARED ACCESSORIES**
Evidence being examined under the Crime-lite IR (QCL/82S/IR) is visualised using the IR sensitive camera attachment with live video images being displayed on a PC monitor.

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>5MP UV-Vis-IR multi-spectral camera</td>
<td>QCL/82S/CAM †</td>
</tr>
<tr>
<td>UV Reflectance Camera Filter</td>
<td>QCL/243 <em>Not required for QCL/82S/CAM</em></td>
</tr>
<tr>
<td>Tablet</td>
<td>QCL/242 High specification tablet computer</td>
</tr>
<tr>
<td>ToughPad</td>
<td>QCL/253 Ruggedized tablet computer for use at the crime scene</td>
</tr>
</tbody>
</table>

**POWER SUPPLY COMPONENTS**
*Items marked with † are included in Crime-lite 82S Cased Sets*

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rechargeable battery</td>
<td>QCL/82S/0088†</td>
</tr>
<tr>
<td>Battery charger</td>
<td>QCL/82S/009 †</td>
</tr>
<tr>
<td>Battery multi-charger</td>
<td>QCL/82S/027</td>
</tr>
<tr>
<td>Vehicle battery charger</td>
<td>QCL/82S/010</td>
</tr>
<tr>
<td>Battery adaptor for rechargeable battery</td>
<td>QCL/82S/011 †</td>
</tr>
<tr>
<td>AC adaptor</td>
<td>QCL/80 †</td>
</tr>
</tbody>
</table>

**SCENE OF CRIME ACCESSORIES**
*Items marked with † are included in Crime-lite 82S Cased Sets*

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telescopic pole</td>
<td>QCL/85 Extendable to 880mm</td>
</tr>
<tr>
<td>SOC case - Small</td>
<td>QCL/82S/013 †</td>
</tr>
<tr>
<td>SOC case - Large</td>
<td>QCL/82S/014 †</td>
</tr>
<tr>
<td>Crime-lite Eye Dark Adaptation Goggles</td>
<td>QCL/266 †</td>
</tr>
<tr>
<td>Dark Adaptation Goggles</td>
<td>QCL/266 †</td>
</tr>
</tbody>
</table>

**EVIDENCE VIEWING BOX**
*For Use with Crime-lite 82S Light Sources*

<table>
<thead>
<tr>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crime-lite 82S Viewing Box</td>
<td>Complete ambient light shielding for visual &amp; photographic examination of evidence. Includes slots for camera or viewing goggles.</td>
</tr>
<tr>
<td>1 Crime-lite Viewing Box</td>
<td>QCL/215</td>
</tr>
<tr>
<td>2 Basic camera stand</td>
<td>QCL/216</td>
</tr>
<tr>
<td>3 Lens bellows</td>
<td>QCL/217</td>
</tr>
<tr>
<td>4 Lens bellows adaptor</td>
<td>QCL/218</td>
</tr>
</tbody>
</table>

---

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[Image and text as provided]