Where serious crime demands intensive crime scene examination, the Crime-lite XL range provides near-laser output power capable of revealing the minutest traces of evidence.

Crime-lite XL

The world's most powerful handheld LED light source for the forensic laboratory and CSI professional

- 96x high-intensity LEDs provide up to 115W output power
- Powerful shadow-free beam for close-up examination or wide area search
- Emulates power density of a forensic laser
- Precision, anti-glare camera filters and goggles

Where serious crime demands intensive crime scene examination, the Crime-lite XL range provides near-laser output power capable of revealing the minutest traces of evidence.
With 96 high intensity LEDs, the Crime-lite XL is unrivalled as the world's most powerful range of handheld LED forensic light sources.

The range offers Blue, Blue/Green, Green, and Orange wavelengths, effective in the close-up examination and wide area detection of minute traces of blood, body fluids, fibres, explosive residues, stained and naturally fluorescent fingerprints.

An important feature of the new Crime-lite XL range is the provision of optional, clip-on, narrowband ‘trimming filters’ that further reduce output bandwidths to 10nm. These enhance visibility of evidence by reducing or eliminating interference from background fluorescence.

**Product features**

- Fitted with 96 high power LEDs providing up to 115W of radiant optical power
- Three adjustable power levels
- AC voltage or battery powered for use at the crime scene
- Constructed from durable anodised aluminium
- Ready for use at the crime scene in seconds

**Output**

<table>
<thead>
<tr>
<th>Wavelength</th>
<th>10% band width</th>
<th>Peak</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

**LEDs**

- 96 x high efficiency LEDs

**LED Output Power**

- Up to 115W Dependent on Wavelength

**Runtime**

- Continuous with adaptor

**Battery life**

- 44-270 minutes

**Charge time**

- 22 minutes

**Weight**

- 1.75Kg
Crime-lite XL® cased kits

Foster + Freeman Crime-lites® are available individually or as cased kits containing all of the accessories required to begin searching for and examining evidence. Crime-lite Kit Accessories include:

- AC power adaptor
- AC power cable
- Narrowband trimming filters
- 2x anti-glare viewing goggles per light
- Anti-glare 62mm camera filters and filter pouch.
- SOC case

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>Light Source(s)</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>XL Blue</td>
<td>QCL/XL/B/K</td>
</tr>
<tr>
<td>XL Blue/Green</td>
<td>QCL/XL/B/G/K</td>
</tr>
<tr>
<td>XL Green</td>
<td>QCL/XL/G/K</td>
</tr>
<tr>
<td>XL Orange</td>
<td>QCL/XL/O/K</td>
</tr>
</tbody>
</table>

Below are Anti-glare camera filters and viewing goggles, essential accessories and a requirement for the examination of fluorescent evidence.

Foster + Freeman anti-glare 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.

**ANTI-GLARE CAMERA FILTERS AND VIEWING GOGGLES**
INCLUDED IN CRIME-LITE XL CASED SETS

<table>
<thead>
<tr>
<th>Wavelength</th>
<th>Camera Filter</th>
<th>Goggles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>GG495</td>
<td>QCL/825/009</td>
</tr>
<tr>
<td>Orange</td>
<td>OG550</td>
<td>QCL/80</td>
</tr>
<tr>
<td>Bright Red</td>
<td>OG590</td>
<td>QCL/825/010</td>
</tr>
<tr>
<td>Red</td>
<td>RG645</td>
<td>QCL/825/025</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Filter</th>
<th>Wavelength</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>448nm</td>
<td>QCL/XL/03</td>
</tr>
<tr>
<td>Blue/Green</td>
<td>475nm</td>
<td>QCL/XL/04</td>
</tr>
<tr>
<td>Green</td>
<td>522nm</td>
<td>QCL/XL/05</td>
</tr>
<tr>
<td>Orange</td>
<td>597nm</td>
<td>QCL/XL/06</td>
</tr>
</tbody>
</table>

**NARROW BAND TRIMMING FILTERS**
INCLUDED IN CRIME-LITE XL CASED SETS

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

**EVIDENCE SPECIFIC BANDPASS FILTERS**
FOR USE WITH CRIME-LITE XL BLUE, BLUE/GREEN & GREEN

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

**LENS FILTERS**

<table>
<thead>
<tr>
<th>Evidence type</th>
<th>Wavelength</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<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>

**GOGGLES**

<table>
<thead>
<tr>
<th>Evidence type</th>
<th>Wavelength</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<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>
**Crime-lite® Applications**

- Acid yellow fingerprint
- DFO treated fingerprints
- Palm print treated with nanoparticles
- Bone fragments
- Semen
- Gunshot Residue
- Semen on fabric
- Fibres
- Accelerants
- Powerful beam can even locate marks that have been painted over

### Orange

- ✓

### Green

- ✓

### Blue/Green

- ✓

### Blue

- ✓

<table>
<thead>
<tr>
<th>96x LED Crime-lite XL</th>
<th>1x LED light source</th>
</tr>
</thead>
<tbody>
<tr>
<td>96x LED Crime-lite XL</td>
<td>1x LED light source</td>
</tr>
</tbody>
</table>

The effectiveness of the Crime-lite XL over a large area is demonstrated in this crime scene reconstruction pictured first being illuminated with a single LED light source (above) and then with the Crime-lite XL (left).
**Crime-lite® Accessories**

**CRIME-LITE® XL PORTABLE POWER PACK**

The Crime-lite® XL portable power pack provides a perfect solution during crime scene investigations where the examiner requires improved mobility without the hinderance of trailing wires or where there is limited access to AC power.

The Crime-lite®XL is attached to the power pack via a heavy duty power cable to a pair of rechargeable Li batteries mounted in the integrated battery booster assembly at the base of the pack.

The durable all-weather padded pack is designed to be worn across one shoulder allowing complete freedom of movement as well as quick and easy access to the rucksacks storage compartments.

**Crime-lite® XL Portable Power Pack kit**
QCL/XL/07
- Weather-proof pack with integrated battery booster
- 4 x rechargeable Li batteries
- 2 x Crime-lite® battery charger

**Crime-lite® XL Portable Power Pack base unit**
QCL/XL/09
- Weather-proof pack with integrated battery booster

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**AC power adaptor**
QCL/XL/02
- Allows Crime-lite XL to be connected to AC voltage supply.
- Input 90-264V, output 48V.
- Supplied with 2x connecting cables, total length 5m.

**Scene of crime case**
QCL/XL/01
- Rugged, waterproof and shock resistant case to hold Crime-lite XL and accessories.
- Machined foam cut-outs for up to 2x Crime-lite XL’s, 1x AC power adaptor unit and cables, viewing goggles and filters.

**SOC trolley and fixing strap**
QCL/206
- Foldable trolley with wheels and fixing strap for transporting cased Crime-lite XL SOC kit

**Crime-lite laboratory arm**
QCL/XL/08
- Heavy duty low-profile articulated arm for safe hands-free operation.
- Bench or wall mounted, reach 1.32m
- Internal power cable connects to QCL/XL/02 (supplied separately).
The Crime-lite® range

**Crime-lite® XL**
The world’s most powerful handheld LED forensic light source, the Crime-lite XL features 96 surface mount LEDs providing up to 115 Watts of radiant power capable of revealing the minutest traces of evidence.

**Crime-lite® 82S**
Where serious crime demands intensive crime scene investigation, the 16 LED Crime-lite 82S offers high levels of illumination.

**Crime-lite® 82L**
16 high intensity white LEDs mounted behind a cylindrical lens give a wide, oblique light beam that is ideal for detecting surface debris and shoe prints in dust.

**Crime-lite® 42S**
The Crime-lite 42S provides three illumination outputs in a single light source.

**Crime-lite® 2**
Effective illumination of evidence from a single high intensity LED.

**WHY CHOOSE CRIME-LITE®?**
- High quality of design and construction
- LEDs selected for peak performance and wavelength
- 100% light output throughout battery charge
- Worldwide product support
- High power to weight ratios
- Compact and energy efficient

<table>
<thead>
<tr>
<th></th>
<th>No. of LEDs</th>
<th>LED output power</th>
<th>No. of Wavelengths</th>
<th>Rechargeable Battery</th>
<th>A/C Mains Option</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crime-lite 2</td>
<td>1</td>
<td>1.2W</td>
<td>8</td>
<td>Yes</td>
<td>Yes</td>
<td>490g</td>
</tr>
<tr>
<td>Crime-lite 82S</td>
<td>16</td>
<td>19W</td>
<td>8</td>
<td>Yes</td>
<td>Yes</td>
<td>560g</td>
</tr>
<tr>
<td>Crime-lite 82L</td>
<td>16</td>
<td>N/A</td>
<td>8</td>
<td>Yes</td>
<td>Yes</td>
<td>900g</td>
</tr>
<tr>
<td>Crime-lite 42S</td>
<td>8+8</td>
<td>9W</td>
<td>6</td>
<td>Yes</td>
<td>Yes</td>
<td>560g</td>
</tr>
<tr>
<td>Crime-lite XL</td>
<td>96</td>
<td>115W</td>
<td>4</td>
<td>Yes</td>
<td>Yes</td>
<td>1.75Kg</td>
</tr>
</tbody>
</table>