foster+freeman

## **Crime-lite PRO**

#### LIGHT SOURCE ACCESSORY GUIDE



"I have personally had a great professional experience with foster+freeman for the last decade. My Police Department has purchased two Crime-lite X1Os and one Crime-lite AUTO. We are in the process of procuring two additional Crime-lite AUTOs" Forensic Examiner, City and County Police Dept.

"Light intensity, construction, versatility, convenience, and overall quality are outstanding. New light sources have been developed by forensic professionals for forensic professionals"

University Program Director, Crime Scene Investigation

"This piece of equipment did more to improve this office's ALS capabilities than any other ALS equipment previously utilized by this office's personnel" Forensic Examiner, US Military



### Crime-lite Accessories

Best-in-class forensic search tools trusted and relied on by law enforcement, military, and clinical forensic examiners worldwide.

Crime-lite <sup>®</sup> <b>AUTO</b>	1 > 4
Crime-lite <sup>®</sup> 825 PRO	5 > 8
Crime-lite <sup>®</sup> 82L PRO	9 > 10
Crime-lite <sup>®</sup> <b>LASER</b>	11 > 12
Crime-lite <sup>®</sup> <b>PRO VISON</b>	13 > 16
Crime-lite <sup>®</sup> <b>PRO VISON</b> Crime-lite <sup>®</sup> <b>X</b>	13 > 16 17 > 18



"Forensic imaging technology meets powerful multi-spectral illumination, in this complete solution to the search, detection, and capture of evidence"

#### Crime-lite AUTO SEARCH DETECT CAPTURE

Best-in-Class Technology

A Complete Evidence Search Tool

Expert Technology, Simply Operated

The all-in-one forensic search, detection and imaging device, Crime-lite AUTO is the must-have technology for the forensic and crime scene professionals worldwide.



#### Why Crime-lite AUTO?

#### All-in-One Solution

3 essential technologies in a single handheld device:

- ► High-intensity Illumination
- UV-Vis-IR Camera
- Intelligent Filtration

#### **Streamlined Examinations**

Perform a fast and effective search for evidence:

- Evidence Detection
- Auto-Focuse Photography
- Remote Image Transfer

#### Full-Spectral Imaging

for the detection of 'invisible' items of evidence:

- Infrared Imaging
- ► Fluorescence Examination
- ► Intelligent Filtration



Coaxial Illumination Box QCL/AUTO/ACC/10 Clip-on accessory for imaging evidence on mirrored and highly reflective surfaces.

- Clip-on accessory for Crime-lite AUTO
- ► for single-plane illumination/imaging
- ► 5700K diffuse white coaxial light
- ► 'On/Off-axis' control (0-9<sup>-</sup>)
- ► Illumination intensity control
- ► Focus adjustment





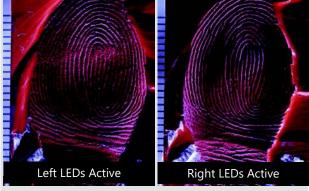
#### **Oblique Ring Light**

QCL/AUTO/ACC/9

Clip-on accessory improves ridge detail when capturing 3D fingermarks.

- ► Clip-on accessory for Crime-lite AUTO
- ► for multi-angle surface illumination/imaging
- ► 12x White 5700K LEDs
- ▶ 12x UV 365nm LEDs
- ► Illumination intensity control
- Illumination direction control





#### PRO Crime-lite AUTO Accessories

**Scene of Crime Tripod** Mount the Crime-lite AUTO on a tripod to eliminate camera shake.

- ▶ PRO-grade photograpy tripod
- Closed height 25.6"
- Extended height 63.8"
- Standard 1/4 whitworth thread mount



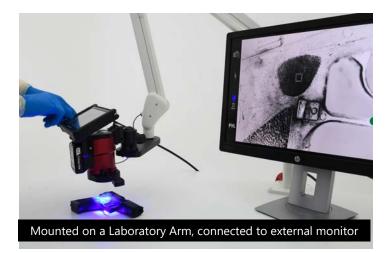
Laboratory Arm

#### QCL/AUTO/ACC/11

**QCL/14** 

For easy laboratory operation and scanning of evidence.

- ► Heavy duty, low profile articulated arm
- Bench or wall mount
- Internal Crime-lite AUTO power cable
- Quick-release clamp





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# High capacity 12V V 2Ah Lithium Ion battery with battery<br/>fuel gauge and battery protection circuit.**4AH Battery**QCL/AUTO/ACC/2<br/>High capacity 12V V 4Ah Lithium Ion battery with<br/>battery fuel gauge and battery protection circuit.**Rapid Battery Charger**QCL/AUTO/ACC/3<br/>Charge Crime-lite AUTO Li-Ion batteries. Includes charge<br/>status display.**AC Mains Power Adaptor**QCL/AUTO/ACC/8<br/>Operate the Crime-lite AUTO via AC mains power.

Order Code

QCL/AUTO/ACC/1

#### Misc. Accessories Order Code

Carry CaseQCL/AUTO/ACC/4Rugged, waterproof case with machined foam cut-outs.

Adjustable Neck StrapQCL/AUTO/ACC/5Replacement neck strap for Crime-lite AUTO.

Magnetic Lens CapQCL/AUTO/ACC/12Replacement lens cap for Crime-lite AUTO.

**128GB Micro SD Card** Store >2000 uncompressed images.

USB Memory Stick QCL/AUTO/ACC/7 For software updates and data transfer.

Training Accessories

Power Accessories

2AH Battery

Order Code

QCL/AUTO/ACC/6

Sample Kit QCL/AUTO/INT-SAMPLES Interactive evidence sample kit, includes 20x samples and integral video screen.



"An ALS range that ensures the highest quality of results, increasing evidence yields and providing superior visibility for the examination and photography of evidence."

## **Crime-lite 82S**PRO

**Tried & Trusted Technology** 

**Superior Detection of Evidence** 

Power, Intensity, and Performance

Used and trusted by law enforcement, military, & clinical forensic examiners worldwide, Crime-lite 82S light sources can be relied upon to provide the high-intensity narrow bandwidth illumination required to detect even the smallest traces of forensic evidence.



#### Why Crime-lite 82S PRO?

The World's #1 LED ALS

Providing unrivalled beam intensity and performance:

- ► 16x LEDs per Wavelength
- High-Intensity Beam
- Always 100% Output

**Durable, Reliable Performance** Proven technology tried and trusted by experts worldwide:

- Unrivalled Build Quality
- Best-in-Class Components
- Rigorously Tested

#### **Detect More Evidence**

Search the forensic spectrum to detect more evidence.

- ► Fingerprints
- Body Fluids
- Physical Evidence

Power Accessories	Order Code	
<b>5AH Battery</b> QCL/82S/008B High capacity 12V V 5Ah Lithium Ion battery with battery fuel gauge and battery protection circuit.		
Rapid Battery Charger Includes charge status display.	QCL/82S/009	
Battery Adaptor Complete	QCL/82S/011	
Battery Adaptor Only (MK2)	QCL/82S/011C	
Battery Pouch/Shoulder Strap	QCL/82S/012	
AC Mains Power Adaptor	QCL/80	
12V Vehicle Power Adaptor	QCL/82S/010	
Scene of Crime Accessories	Order Code	
Carry Case (Small) QCL/82S/013 Holds up to up to four 82 PRO light sources, plus batteries and accessories.		
Carry Case (Large) QCL/82S/014 Holds up to up to nine 82 PRO light sources, plus batteries and accessories.		
<b>SOC Field Tripod</b> Requires QCL/15 Tripod Adaptor	QCL/14	
<b>Tripod Adaptor</b> Connect a Crime-lite PRO to SOC Field Tri	QCL/15	
Wrist Lanyard	QCL/82S/023	
<b>Detatchable Belt Clip</b> Store >2000 uncompressed images.	QCL/82S/024	

Training Accessories

Order Code

Sample Kit QCL/AUTO/INT-SAMPLES Interactive evidence sample kit, includes 20x samples and integral video screen.

QCL/82S/008B	CCL/82S/011
ACL/82S/010	QCL/80
Crime-lite Cases	QCL/14
	QCL/15

#### PRO Crime-lite 82S Accessories

#### **PRO Precision Illumination Kit**

Clip-on filters that attach to the light source, further narrowing the output waveband to enhance the visibility of evidence by reducing background fluorescence.

Filter	for use with	Order #
410nm	82S PRO Violet	QCL/82/018
448nm	82S PRO Blue	QCL/82/019
475nm	82S PRO Blue/Green	QCL/82/020
522nm	82S PRO Green	QCL/82/021
597nm	82S PRO Orange	QCL/82/022

#### **PRO Contrast Illumination Kit**

Clip-on filters that attach to the WHITE Crime-lite 82S PRO light source and filter the output wavelength.

Filter	for use with	Order #
BLUE	82S PRO White	QCL/82/005
GREEN	82S PRO White	QCL/82/006
RED	82S PRO White	QCL/82/007

#### **Dark Adaptation Kit**

Simple pocket-sized device that helps examiners to achieve optimum dark adaptation when entering a dark environment to search for evidence using a forensic light source.

Dark Adaptation Checker	QCL/264
Dark Adaptation Goggles	QCL/266





#### PRO VISION UV-Vis-IR Imaging Accessories

Search beyond the visible spectrum using a UV to IR sensitive camera attachment with integral filter wheel.

Crime-lite UV-VIS-IR Camera 5MP USB2.0 CMOS auto-focus camera

#### QCL/82S/CAM

- 12mm f/2.8 lens
- Adjustable angle slide-on
- Wireless remote control
- Indexed filter wheel (4 positions)

Compatible with all handheld Crime-lite light sources and the Crime-lite ML2 laboratory light source.



"An ALS range that ensures the highest quality of results, increasing evidence yields and providing superior visibility for the examination and photography of evidence."

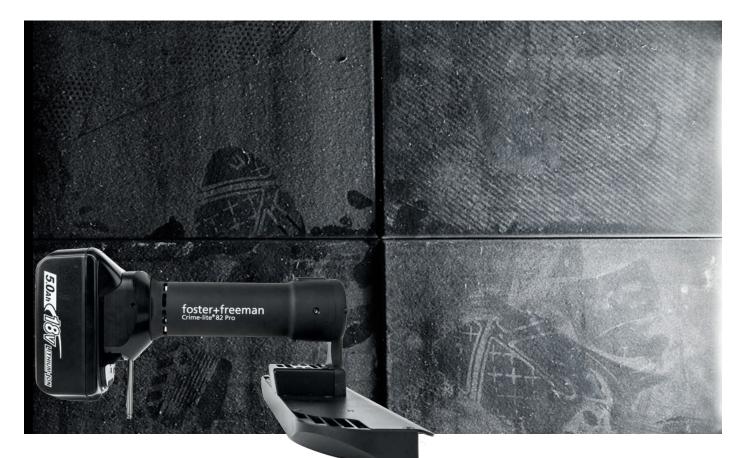
## **Crime-lite 82L**PRO

Surface Examinations

White and UV Illumination

Power, Intensity, and Performance

A unique light source providing a 'sheet' of low angle surface illumination that is ideal for detecting evidence including scratches, scrapes and other surface impressions, tool marks, 3D fingerprints (e.g. fingerprints in putty), and shoe prints in dust.



#### Why Crime-lite 82L PRO?

#### A Unique Linear ALS

Providing high intensity White or UV illumination:

- ► 16x LEDs per Wavelength
- High-Intensity Beam
- Dimmable Intensity

**Durable, Reliable Performance** Proven technology tried and trusted

by experts worldwide:

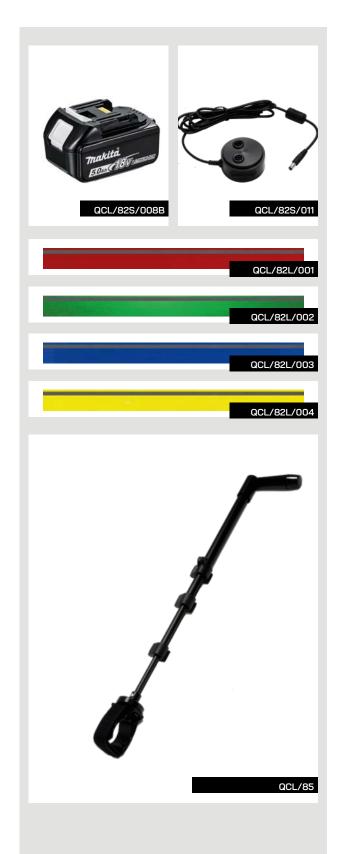
- Unrivalled Build Quality
- Best-in-Class Components
- Rigorously Tested

#### **Detect Surface Evidence**

Scan surfaces to reveal evidence and create contrast:

- Shoeprints
- ► Toolmarks
- Surface Debris

Power Accessories	Order Code	
SAH BatteryQCL/82S/008BHigh capacity 12V V 5Ah Lithium Ion battery with batteryfuel gauge and battery protection circuit.		
Rapid Battery Charger Includes charge status display.	QCL/82S/009	
Battery Adaptor Complete	QCL/82S/011	
Battery Adaptor Only (MK2)	QCL/82S/011C	
Battery Pouch/Shoulder Strap	QCL/82S/012	
AC Mains Power Adaptor	QCL/80	
12V Vehicle Power Adaptor	QCL/82S/010	
Scene of Crime Accessories	Order Code	
<b>Telescopic Pole</b> Extendable 340-900mm.	QCL/85	
Clip-On Red Contrast Filter*	QCL/82L/001	
Clip-On Green Contrast Filter*	QCL/82L/002	
Clip-On Blue Contrast Filter*	QCL/82L/003	
Clip-On Yellow Contrast Filter*	QCL/82L/004	
*For use with Crime-lite 82L PRO White		
Detatchable Belt Clip	QCL/82S/024	
<b>Carry Case</b> Holds 1x 82L PRO light source, 2x batteri accessories.	QCL/82S/015 es, charger, and	





"Intense, ultra-narrowband LASER illumination for the detection and examination of every last trace of forensic evidence"



Available in Blue (447nm) & Green (520nm) wavelengths, the Crime-lite LASER provides surgically precise illumination designed to excite fluorescence within a narrow 2nm bandwidth, illuminating only the desired target evidence without exciting any unwanted background fluorescence.



#### Why Crime-lite LASER?

#### Precise LASER Illumination

Tightly focussed beam for increased light intensity:

- ► Illuminate Target Evidence
- Pinpoint LASER Accuracy
- Increase Evidence Contrast

#### Complete End-User Safety

Triple-interlocked safety

- features include:
- Passcode activation
- Dead Man's Trigger
- Mechanical Beam Shutter

#### Detect Every Last Trace

Reduce unwanted fluorescence to reveal evidence including:

- Latent Fingermarks
- Minute Traces of DNA
- Narcotics, GSR and More

Power Accessories	Order Code
<b>Rechargeable Battery</b> High capacity 18V 5Ah Lithium Ion I	QCL/LASER/ACC/1 pattery
Battery Charger Includes charge status display.	QCL/LASER/ACC/2
Battery Adaptor	QCL/LASER/ACC/15
AC Mains Power Adaptor	QCL/LASER/ACC/6
Examination Accessories	Order Code
<b>Carry Case (Small)</b> Holds a single Crime-lite LASER, plu accessories.	QCL/LASER/CASE/1 s batteries and
<b>Carry Case (Large)</b> Holds two Crime-lite LASERs, plus b accessories.	QCL/LASER/CASE/2 atteries and
SOC Field Tripod Requires QCL/LASER/ACC/17 Tripod	QCL/14 Adaptor
Tripod Adaptor	QCL/LASER/ACC/7
Wrist Lanyard	QCL/LASER/ACC/5
Safety Interlock Jack	QCL/LASER/ACC/3
Firmware Update Cable	QCL/LASER/ACC/14
LASER Self-Test Cap Requires QCL/LASER/ACC/17 Tripod	QCL/LASER/ACC/10 Adaptor

#### Training Accessories

Order Code

Sample Kit QCL/LASER/SAMPLES Interactive evidence sample kit, includes 20x samples and integral video screen.



"Maximize the visibility of evidence for improved detection and photography under high-intensity illumination"

### **Crime-lite PRO** VISION

Evidence Viewing Accessories Viewing Goggles Camera Lens Filters

foster+freeman PRO Vision is a lens filter technology designed to increase the contrast and visibility of evidence under high-intensity illumination.

Featuring an anti-glare dichroic coating to prevent autofluorescence, PRO Vision accessories include interchangeable viewing goggles and a selection of screw on camera lens filters lenses.

#### PRO VISION Camera Lens Filters

62 mm | 72mm | for all camera types

#### Anti-Glare Camera Lens Filters

High-performance viewing filters coated with a unque dichroic coating.

Filter	for use with	62mm	72mm
GG420	UV Illumination	QCL/157	QCL/233
GG455	Violet Illumination	QCL/152	QCL/191
GG495	Blue Illumination	QCL/153	QCL/192
OG550	Blue/Green Illumination	QCL/154	QCL/195
OG570	Blue/Green Illumination	QCL/155	QCL/196
OG590	Green Illumination	QCL/156	QCL/197
RG630	Orange Illumination	-	QCL/199
RG645	Orange Illumination	QCL/82S/017	-
Sharp-Cut	Infrared Imaging Filters		
850nm	82S PRO Infrared	-	QCL/281
900nm	82S PRO Infrared	-	QCL/282







#### PRO VISION Viewing Goggles

Lightweight | Interchangeable | Anti-Glare

Interchangeable Filter Goggle Body QCL/IFG Comfort-fit evidence viewing goggles for use with interchangeable magnetic filters.

- ► Integral UV Block long pass filter
- ► Wide strap offers increased comfort
- Can be worn over most prescription glasses
- Supplied with storage pouch

#### Interchangeable Filters

Interchangeable magnetic filters.

Filter	for use with	Order Code
GG455	Violet Illumination	QCL/IFG/V
GG495	Blue Illumination	QCL/IFG/B
OG550	Blue/Green Illumination	QCL/IFG/BG
OG590	Green Illumination	QCL/IFG/G
RG645	Orange Illumination	QCL/IFG/O







#### **PRO VISION** LASER Accessories

LASER-specific viewing goggles and filters

#### 62mm Band Pass Lens Filters

Filter	for use with	Order Code
GG495	Blue LASER Illumination	QCL/153
OG570	Green LASER Illumination	QCL/155

#### 72mm Band Pass Lens Filters

Filter	for use with	Order Code
GG495	Blue LASER Illumination	QCL/192
GG570	Green LASER Illumination	QCL/196

#### PRO VISION LASER EN207 Compliant Goggles

Filter	for use with	Order Code
GG495	Blue LASER Illumination	QCL/LASER/GG495
CASE	PRO VISION filter hard case	QCL/LASER/ACC/4/B
OG570	Green LASER Illumination	QCL/LASER/OG570
CASE	PRO VISION filter hard case	QCL/LASER/ACC/4/G





**PRO VISION LASER** goggles are EN207 LASER safety eyewear compliant





#### PRO VISION CBRNE Accessories

Specialist viewing accessories for CBRNE Chemical Biological Radiological & Nuclear Crime Scene Investigators.

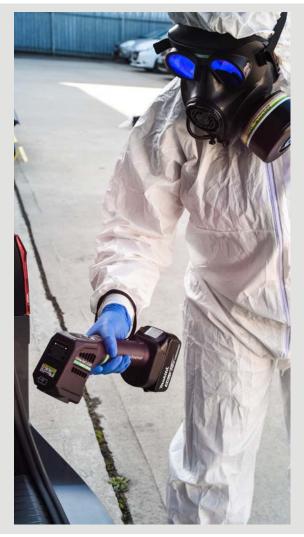
#### **CBRNE** Viewing Goggles

Forensic over-goggles for use with tactical respirator masks.

- Maximum anti-glare performance
- Exclude ambient light
- Optimise fluorescence viewing
- Protective hard case included
- Compatible with AVON: FM53 ,FM54, FM51 FM50, M50, M53AI, PC50, C50, ST53, ST54

! ONLY for use with a respirator mask !

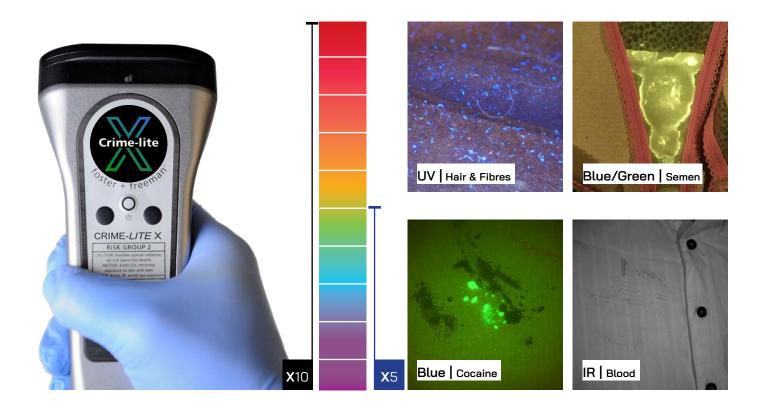
Filter	for use with	Order Code
GG495	Blue LASER Illumination	QCL/LASER/ACC/16
OG570	Green LASER Illumination	QCL/LASER/ACC/17



"Handheld, Multi–Spectral LED Light Source with Advanced Functionality: The biggest leap forward in Forensic Light Source technology for over 20 years."



A complete ALS kit in a single light source, the Crime-lite X enables the examiner to seamlessly switch between White, UV, Violet, Blue, Blue/Green, Green, Orange, Red, and Infrared LEDs, to perform a comprehensive multi-spectral examination of a crime scene.



#### Why Crime-lite X?

#### The Complete ALS Device

A complete ALS kit in a single light source:

- Multi-LED Light Sources
- Switch between Wavelengths
- ► Up to 175x Combinations

#### Built-in Functionality

Control device functions via the integral LED interface:

- Cycle Wavebands
- Self-Test Diagnostics
- Dark Adaptation Checker

#### For Every Evidence Type

Reveal more evidence using multispectral illumination:

- X5 Serology ALS
- X10 for Fingerprints
- X10 fo General Search

1	8	

QCL/X/ACC/1 ge rate
QCL/X/ACC/2
QCL/X/ACC/9
Order Code
QCL/X/ACC/5 ted beam.
QCL/X/ACC/3 s and accesso-
QCL/X/ACC/7 s,
QCL/X/ACC/8
QCL/X/ACC/6
QCL/X/ACC/10

Order Code

Power Accessories

Training Accessories	Order Code
X5 Sample Kit	QCL/X/INT-SAMPLES/X5
X10 Sample Kit	QCL/X/INT-SAMPLES/X10

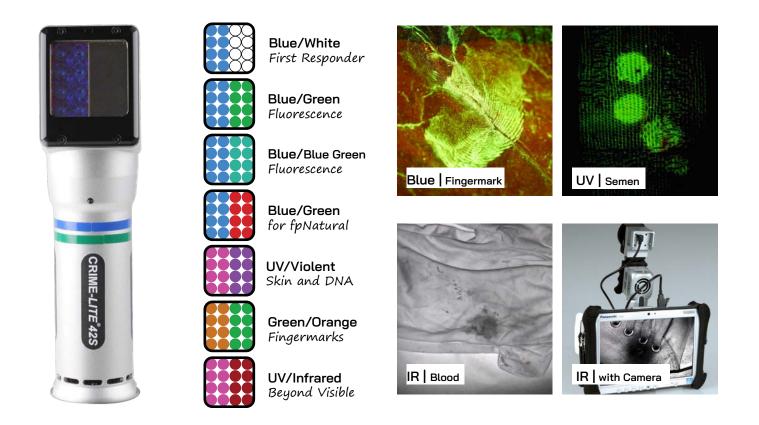
Interactive evidence sample kits for Crime-lite X light sources.



## **Crime-lite**<sup>®</sup> 42S

#### Dual-Waveband LED Light Sources

Switchable between two arrays of 8 high-intensity LEDs, the Crime-lite 42S provides the examiner with three illumination outputs in a single alternate light source.



#### Why Crime-lite 42S?

#### The 2-in-1 ALS Solution

Providing 2 LED wavelengths in every light source:

- Multiple LED Combinations
- Switch Between Outputs
- ► 8x LEDs per Wavelength

#### Versatility x Usability

Maximise the search for evidence:

- Simple 3-way LED Control
- Twin-Filter Viewing Goggles
- Adjustable Output Intensity

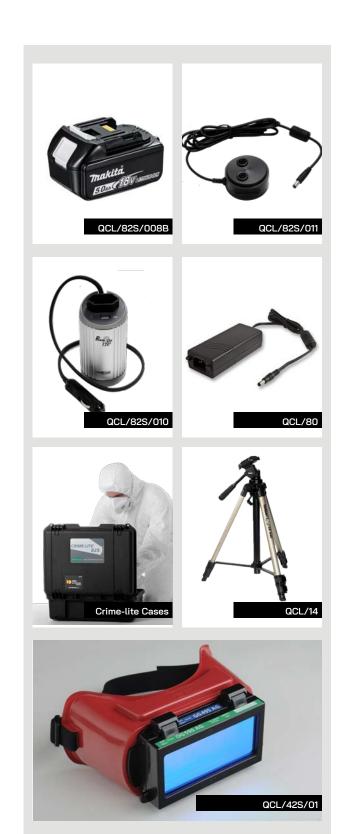
#### **Evidence-Based LED Pairings**

Dual-wavelength light sources in practical combinations:

- ► White/Blue CSI Search
- ► UV/IR Beyond Visible Search
- ► UV/V Body Fluid Search

Power Accessories	Order Code
<b>5AH Battery</b> QCL/82S/00 High capacity 12V V 5Ah Lithium Ion battery with battery fuel gauge and battery protection circuit.	
Rapid Battery Charger Includes charge status display.	QCL/82S/009
Battery Adaptor Complete	QCL/82S/011
Battery Adaptor Only (MK2)	QCL/82S/011C
Battery Pouch/Shoulder Strap	QCL/82S/012
AC Mains Power Adaptor	QCL/80
12V Vehicle Power Adaptor	QCL/82S/010

Crime-lite 42S light sources are compatible with Crime-lite 82S PRO accessories. See page 6 for details



#### **Dual Anti-Glare Viewing Goggles**

Each pair of Dual Anti-Glare Goggles includes two Schott glass filters allowing the user to quickly and easily switch between illumination/filter wavebands.

Filter	for use with	Order Code
GG495/0G590	Blue + Green Illumination	QCL/42S/01
GG495/0G550	Blue + Blue/Green Illumination	QCL/42S/02
OG590/RG645	Green + Orange Illumination	QCL/42S/03
UV/GG455	UV + Violet Illumination	QCL/42S/06
GG455/GG495	Violet + Blue Illumination	QCL/42S/12

"With thousands of units in active use by CSI and forensic investigators worldwide, the Crime–lite 2 has proven effectiveness and reliability."

## Crime-lite<sup>®</sup> 2

#### 2nd Generation LED Light Sources

The Crime-lite 2 range of single-LED light sources has been designed to maximise the clarity of forensic evidence and is highly effective at short range for the location and examination of evidence.

Providing even, shadow-free illumination, the range includes a white light model for general search and eight narrow band light sources with wavelengths in UV, violet, blue, blue-green, green, orange, red, and infrared for beyond visible examinations.



#### Why Crime-lite 2?

**Tried & Trusted Technology** Used by forensic examiners worldwide:

- ► Thousands of Units in Use
- Used in Numerous Cases
- Trusted by Experts

Simple & Highly Effective 2nd generation Crime-lite

technology:

- ► Integrated Light and Battery
- One-Button Operation
- ▶ 50'000 Hour LED Lifetime

#### 100% Crime-lite Quality

High quality components, built to perform:

- Intense shadow-free beam
- Always 100% light output
- Solid, Robust Construction

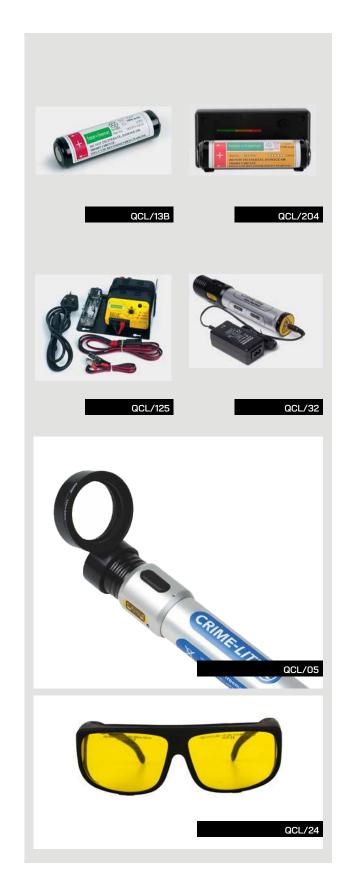
Power Accessories	Order Code
<b>Rechargeable Battery</b> High-performance 7.2V, 1900mAh battery.	QCL/13B
<b>Single Battery Charger</b> Charge time: 80-120 minutes per battery.	QCL/06/E
12V Vehicle Battery Charger	QCL/125
<b>Battery Tester</b> LED display indicates charge status.	QCL/204
AC Mains Power Adaptor	QCL/32
Examination Accessories	Order Code
<b>Crime-lite Magnifier Lens</b> Clip-on magnifier attachment with 52mm thre Provides x2 magnification.	QCL/05 ad.
<b>Carry Case (Small)</b> Accommodates up to 3 x Crime-lites, 3 batteri magnifier attachment, and accessories.	QCL2/013 es,
<b>Carry Case (Large)</b> Accommodates up to 8 x Crime-lites, 6 batteri magnifier attachment, and accessories.	QCL2/011 es,
SOC Field Tripod	QCL/14

SOC Field Tripod Requires Tripod Adaptor QCL/15	QCL/14	
Tripod Adaptor	QCL/15	
Laboratory Arm	QCL/205	

#### Wraparound Glasses

Cost-effective option for viewing fluorescent evidence. Not recommended for use with high-power light sources.

Filter	for use with	Order Code
Yellow	Blue Illumination	QCL/24
Orange	Blue/Green Illumination	QCL/25
Red	Green Illumination	QCL/26



## **Crime-lite**<sup>®</sup>

#### Ready to Find Out More?



fosterfreeman.com/forensic-light-sources/

#### foster+freeman

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