

NEW

Infrared model

UV-Vis-IR camera

Wheeled laboratory cart



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.

foster + freeman

Crime-lite® 82

FOR CRIME SCENE INVESTIGATION
AND LABORATORY EXAMINATION

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



Crime-lite® 82S

High intensity forensic light sources for the investigation of serious crime

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 goggles and camera lens filters designed to provide maximum optical performance when used alongside high power light sources.

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

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



Crime-lite[®] 82L

A high intensity linear light source for illuminating shoe prints, fibres, blood spatter & particulate evidence

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.

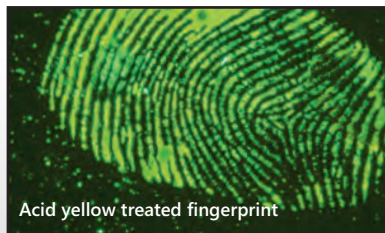
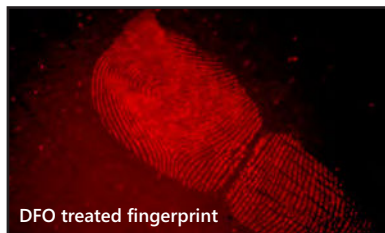
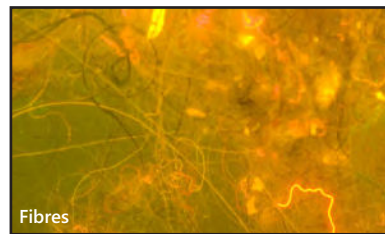
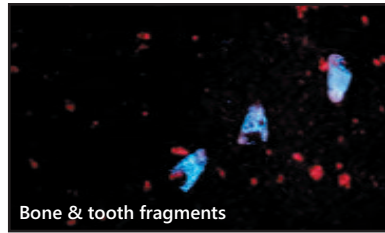
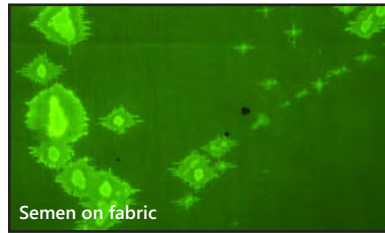
Accessories include red, green, blue and yellow clip-on filters to enhance contrast and a telescopic pole which adds convenience for prolonged floor searches.

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.

Output	10% band width	Peak
White	400-700nm	-

LEDs	16 x high efficiency LEDs
LED Power Output	Up to 5280 Lumens
Runtime	Continuous with adaptor
Battery life	Up to 750 minutes
Charge time	22 minutes
Weight	900g

Crime-lite® Applications

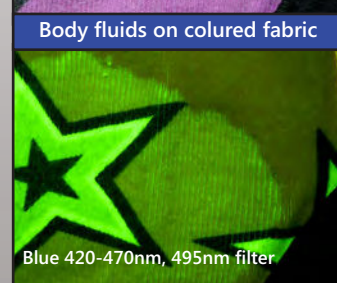


Crime-lite® 82S										Crime-lite® 82L	
	WHITE	UV	VIOLET	BLUE/GREEN	BLUE	GREEN	ORANGE	RED	INFRARED	WHITE	
PHYSICAL EVIDENCE	Blood stains	✓		✓	✓	✓	✓	✓	✓	✓	✓
	Blood spatter	✓		✓	✓	✓	✓	✓	✓	✓	✓
	Body bruising & bite marks	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Body fluids		✓	✓	✓	✓	✓	✓	✓	✓	
	Bone & tooth fragments			✓	✓	✓	✓	✓	✓	✓	
TRACE EVIDENCE	Hair			✓	✓	✓	✓	✓	✓	✓	
	Fibres	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Gunshot residues			✓	✓	✓	✓	✓	✓	✓	
	Some drug residues		✓	✓	✓	✓	✓	✓	✓	✓	
	Accelerants			✓	✓	✓	✓	✓	✓	✓	
FINGERPRINT REATMENTS	Redwop			✓	✓	✓	✓	✓	✓	✓	
	Nanoparticles		✓	✓	✓	✓	✓	✓	✓	✓	
	DFO				✓	✓	✓	✓	✓	✓	
	Greenwop				✓	✓	✓	✓	✓	✓	
	Rhodamine 6G				✓	✓	✓	✓	✓	✓	
GENERAL	Basic yellow			✓	✓	✓	✓	✓	✓	✓	
	Acid yellow				✓	✓	✓	✓	✓	✓	
	Ardrox		✓		✓	✓	✓	✓	✓	✓	
	Magnetic red powder				✓	✓	✓	✓	✓	✓	
	Ninhydrin	✓			✓	✓	✓	✓	✓	✓	✓
GENERAL	fpNatural 1 IR powder				✓	✓	✓	✓	✓	✓	
	General mixed debris	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	General contrast search	✓			✓	✓	✓	✓	✓	✓	✓
	Shoeprints & dust marks	✓			✓	✓	✓	✓	✓	✓	✓

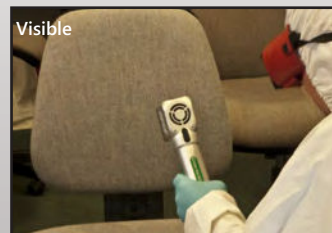
UV examination



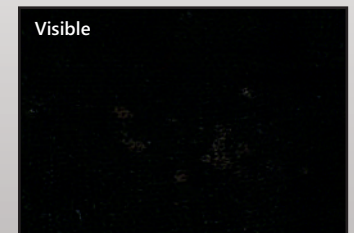
Blue examination



Green examination



IR examination



Crime-lite® 82 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.

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

<i>Cased Kits</i>	WHITE	UV	VIOLET	BLUE	BLUE/ GREEN	GREEN	ORANGE	RED	82L
CRIME-LITE® 82S BASIC SEARCH KIT QCL/82S/UVVB		✓	✓	✓					
CRIME-LITE® 82S 6 LIGHT KIT QCL/82S/6KIT	✓	✓	✓	✓	✓	✓			
CRIME-LITE® 82 7 LIGHT KIT QCL/82SL/7KIT	✓	✓	✓	✓	✓	✓			✓
CRIME-LITE® 82S 8 LIGHT KIT QCL/82S/8KIT	✓	✓	✓	✓	✓	✓	✓	✓	
COMPLETE CRIME-LITE® 82 KIT QCL/82SL/9KIT	✓	✓	✓	✓	✓	✓	✓	✓	✓



Crime-lite Kit Accesories

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 accomodate all light sources in kit.
- two detachable belt clips and wrist lanyards.



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)

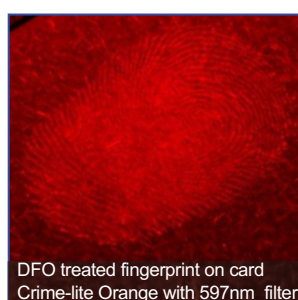
Crime-lite® 82S anti-glare camera filters and viewing goggles are essential accessories and are required for the examination of fluorescent evidence.

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

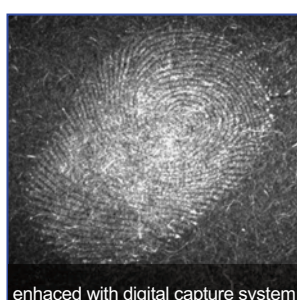


Filter	Pale Yellow GG455	Yellow GG495	Orange OG550	Bright Red OG590	Red RG645	UV GG420	IR Safety
For use with...	Violet Crime-lite	Blue Crime-lite	Blue/Green Crime-lite	Green Crime-lite	Orange Crime-lite	UV Crime-lite	IR Crime-lite
Wavelength	455nm	495nm	550nm	590nm	645nm	420nm	-
1% transmission	435nm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

Camera filters	QCL/152	QCL/153	QCL/154	QCL/156	QCL/82S/017	QCL/157	-
Viewing goggles	QCL/147	QCL/148	QCL/149	QCL/151	QCL/82S/016	QCL2/014 safety glasses	-



DFO treated fingerprint on card
Crime-lite Orange with 597nm filter

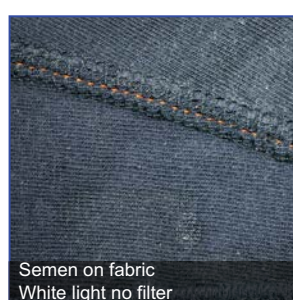


enhanced with digital capture system

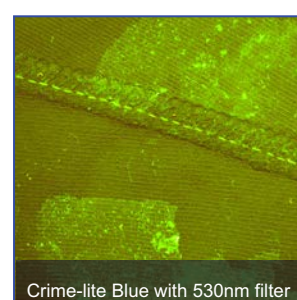
OPTIONAL NARROW BAND TRIMMING FILTERS

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.

Filter	Wavelength	Product Code
Violet	410nm	QCL/82S/018
Blue	448nm	QCL/82S/019
Blue/Green	475nm	QCL/82S/020
Green	522nm	QCL/82S/021
Orange	597nm	QCL/82S/022



Semen on fabric
White light no filter



Crime-lite Blue with 530nm filter

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.

CAMERA FILTERS

Evidence type	Wavelength	Product Code
Blood	415nm	QCL/222
Body Fluids	530nm	QCL/223
Body Fluids	550nm	QCL/224

VIEWING GOGGLES

Evidence type	Wavelength	Product Code
Blood	415nm	QCL/219
Body Fluids	530nm	QCL/220
Body Fluids	550nm	QCL/221

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

5MP UV-Vis-IR multi-spectral camera QCL/82S/CAM[†]

For the visualisation of evidence under infrared illumination

- Attaches to Crime-lite 82S
- UV/Vis/IR filter wheel
- Includes image capture software

UV Reflectance Camera Filter

QCL/243 Not required for QCL/82S/CAM

- 1% cut-off wavelength at 400nm
- 62mm filter glass

Tablet QCL/242

High specification tablet computer

ToughPad QCL/253

Ruggedized tablet computer for use at the crime scene

Laboratory Arm ²

QCL/82S/025/IR

Hands free operation of Crime-lite 82S

- Bench or wall mounted, reach 132cm
- Internal power and USB cables

Tablet/ToughPad Mount

QCL/241

Clamps QCL/242 or QCL/243 to Laboratory Arm

Scene of Crime Holding Frame ³ QCL/252

Holds Crime-lite 82S and ToughPad

Laboratory Cart

QCL/245

Wheeled cart with mounting plate for Laboratory Arm and UPS storage space

Adjustable Laptop Mount

QCL/247

For use with Laboratory Cart

UPS

QCL/246

Run time 4 hours



POWER SUPPLY COMPONENTS

ITEMS MARKED WITH [†] ARE INCLUDED IN CRIME-LITE 82S CASED SETS



Rechargeable battery
(Requires adaptor)

QCL/82S/008B[†]



Battery charger
22 minutes charge time

QCL/82S/009 [†]



Battery multi-charger
Charge 4x 18V batteries

QCL/82S/027



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 [†]

SCENE OF CRIME ACCESSORIES

ITEMS MARKED WITH [†] ARE INCLUDED IN CRIME-LITE 82S CASED SETS



Telescopic pole
Extendable to 880mm

QCL/85



SOC case - Small
Carry up to 4 Crime-lites

QCL/82S/013 [†]



SOC case - Large
Carry up to 9 Crime-lites

QCL/82S/014



SOC trolley & strap
Carries SOC cases

QCL/206



Crime-lite Eye Dark
Adaptation Checker

QCL/264 [†]

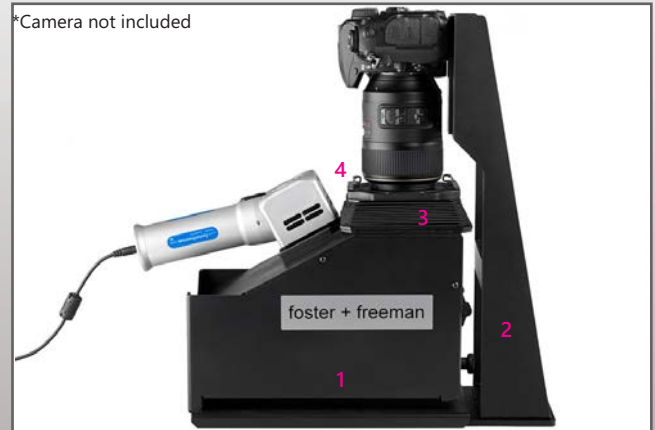


Dark Adaptation
Goggles

QCL/266 [†]

EVIDENCE VIEWING BOX

FOR USE WITH CRIME-LITE 82S LIGHT SOURCES



Crime-lite 82S Viewing Box

Complete ambient light shielding for visual & photographic examination of evidence. Includes slots for camera or viewing goggles.

1 Crime-lite Viewing Box

QCL/215

2 Basic camera stand

QCL/216

3 Lens bellows

QCL/217

4 Lens bellows adaptor

QCL/218

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