



How, When & Where to Use Alternate Light Sources



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Why Should You Consider FoxFury

Cutting Edge Technology

FoxFury works directly with top LED manufacturers in order to provide the **newest**, **highest quality** and **most efficient** LED technology available.



Narrow Band Width

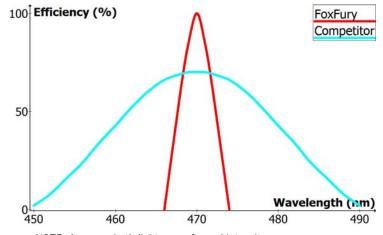
Lights with narrower band widths have more useful light (less wasted energy), which show **more fluorescence/absorption**.



FoxFury has a narrow band width of ±3 nm



Competitors have broader band widths that vary between ±15 and ±50 nm



NOTE: Assumes both lights are of equal intensity

Durability

All light sources are made of polycarbonate or aircraft-grade aluminum and built to last.



) Waterproof

No replacement bulbs or filters are needed. Each light is backed by a 2 year warranty.



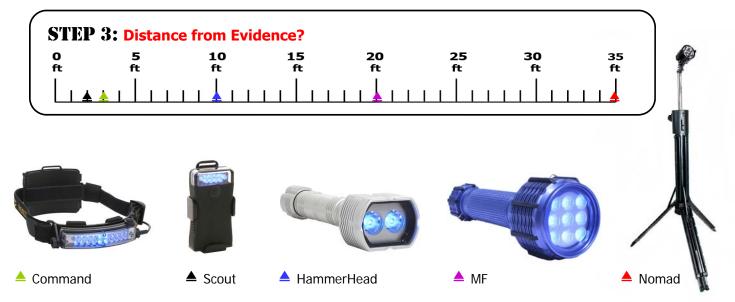
Impact / Fire Resistant



Find Your Light In 3 Steps







MODELS AVAILABLE

Wavelength (nm)	395	450	470	495	525	850	White
≜ Command Series	420-311	_	420-112	420-113	420-114	420-322	420-009
▲ Scout Series	300-111	ı	300-112	300-113	300-114	300-118	300-010
▲ HammerHead Series*	930-311	930-332	930-312	930-313	930-314	930-018	930-300
▲ MF Series	-	_	900-1012C	900-1013C	900-1014C	900-1018	900-1000C
▲ Nomad Series	_	_	200-812	_	200-814	_	200-800

^{*} Dual Wavelength Models Available including 380/395 nm (P/N 930-380-395) and White/UV (P/N 930-011)



HammerHead / Scout Forensic ALS Kits

Fully Customizable to Fit Your Department's Needs



HammerHead Lights



Choose Four: 395, 450, 470, 495, 525 or 850 nm

Scout Lights



Choose Four: 395, 470, 495, 525, 850 nm, All White or White/Red

Polycarbonate Goggles



Choose Three: Orange, Red, Yellow, Clear

Polycarbonate Case



Crush Resistant, Watertight, Airtight, Dustproof

These are the Most Popular Configurations

	HammerHeads		Goggles		Scouts (Optional)						
Standard	395 nm	450 nm	470 nm	495 nm	Orange	Red	Yellow	_	_	_	_
Premier	395 nm	450 nm	470 nm	495 nm	Orange	Red	Yellow	395 nm	470 nm	495 nm	525 nm



HammerHead Series Light Sources



Aluminum POWERFUL Portable

Weight	Length	Head	Handle
8.6 oz	6.6"	2.2 x 1.5"	1.1"
245 g	16.8 cm	5.6 x 3.8 cm	2.8 cm

HOW TO USE

As with other Alternate Light Sources, must be used with the appropriate goggles or camera filter in order to visualize evidence.

MODELS AVAILABLE

W	avelength	Part Number	Price (USD)
	White	930-300	\$244.99
	395 nm	930-311	\$459.99
	450 nm	930-332	\$459.99
	470 nm	930-312	\$459.99
	495 nm	930-313	\$459.99
	525 nm	930-314	\$459.99
	850 nm	930-018	\$459.99

WARRANTY

Two (2) year warranty on all manufacturer defects from the date of original purchase.

♦ LED / LIGHT OUTPUT

- → 320 Lumen (White Light)
- → 6 Watts
- → Operational Distance: up to 10 ft (3 m)

FEATURES

- → Accurate to ±3 nm
- → 2 Intensities (30% and 100%)
- → Anti-Roll Design
- → Thumb Rest
- → Tap On / Off Switch

DURABILITY

- → Aluminum 6061-T6 Hard Anodized Housing
- → Impact Resistant
- → Waterproof to 20 ft (6 m)

OBATTERY

- → 3 CR123 Batteries
- → Life: 2 to 8 Hours







MF Series Light Sources



Aluminum BRIGHTEST Rechargeable

Weight	Length	Head	Handle
3.8 lbs	11.1"	3.9"	1.9"
1.7 kg	28.2 cm	9.9 cm	4.8 cm

HOW TO USE

As with other Alternate Light Sources, must be used with the appropriate goggles or camera filter in order to visualize evidence.

MODELS AVAILABLE

N	avelength	Part Number	Price (USD)
	White	900-100CR	\$1099.99
	470 nm	900-1012C	\$1599.99
	495 nm	900-1013C	\$1599.99
	525 nm	900-1014C	\$1599.99
	850 nm	900-018	\$1599.99

WARRANTY

Two (2) year warranty on all manufacturer defects from the date of original purchase.

♦ LED / LIGHT OUTPUT

- → 1,130 Lumen (White Light)
- → 27 Watts
- → Operational Distance: up to 20 ft (6 m)

♦ FEATURES

- → Accurate to ±3 nm
- → 2 Intensities (33%, 100%)
- → Tap On/Off Switch
- → Shoulder Strap

OURABILITY

- → Aluminum 6061-T6 Hard Anodized Housing
- → TPR Bumpers and Polycarbonate Shield
- → Impact Resistant
- → Waterproof to 20 ft (6 m)

♦ RECHARGEABLE BATTERY PACK

- → 12 RCR123 Lithium Battery Pack
- → Life: 60 to 75 minutes
- → Charger Time: 4 hours for Full Charge







Nomad Series Light Sources

LED Spot I ight & scene I ight







Powerful FREEDOM Rechargeable

Weight	Length	Diameter	Max Height
17.0 lbs	33.0"	4.6"	95″
7.7 kg	84.0 cm	11.7 cm	241 cm

HOW TO USE

As with other Alternate Light Sources, must be used with the appropriate goggles or camera filter in order to visualize evidence.

MODELS AVAILABLE

N	avelength	Part Number	Price (USD)
	White	200-800	\$1200
	470 nm	200-812	\$2920
	532 nm	200-814	\$2920

WARRANTY

Two (2) year warranty on all manufacturer defects from the date of original purchase.

♦ LED / LIGHT OUTPUT

- → 1,200 3,600 Lumen (White Light)
- → 75 Watt Power Consumption
- → Operational Distance: up to 35 ft (11 m)

♦ FEATURES

- → Accurate to ±3 nm
- → 3 Intensities (33%, 66%, 100%)
- → Spotlight (8°) or Scene light with diffuser lens
- → See up to 1.1 mi / 2.0 km (White Light)
- → Telescoping and rotating head
- → On/Mode switch at base of unit
- → Hold-down clamp

DURABILITY

- → Nylon 66 body with 6061-T6 aluminum head
- → Fire scene ready
- → All weather

♦ RECHARGEABLE BATTERY SYSTEM

- → Rechargeable Li-Ion 200 WH
- → Fully recharges in 8 hours
- → Power supply connects to AC or car battery





Scout Series Light Sources



Portable COMPACT Lightweight

Weight	Width	Depth	Height
5.7 oz	2.2"	0.9"	3.8"
163 g	5.6 cm	2.3 cm	9.7 cm

HOW TO USE

As with other Alternate Light Sources, must be used with the appropriate goggles or camera filter in order to visualize evidence.

MODELS AVAILABLE

W	avelength	Part Number	Price (USD)
	White / Red	300-004	\$39.99
	White	300-010	\$39.99
	395 nm	300-111	\$99.99
	470 nm	300-112	\$89.99
	495 nm	300-113	\$89.99
	525 nm	300-114	\$89.99
	850 nm	300-118	\$99.99

WARRANTY

Two (2) year warranty on all manufacturer defects from the date of original purchase.

♦ LED / LIGHT OUTPUT

- → 28 Lumen (White Light)
- → 1.3 Watts
- → Operational Distance: up to 2 ft (0.6 m)

♦ FEATURES

- → Accurate to ±3 nm
- → Multi wear/use options
- → Tap on/off switch
- → Clip included for belt or pocket wear

OURABILITY

- → Polycarbonate housing
- → Impact resistant
- → Waterproof to 20 ft (6 m)

O BATTERY

- → 3 AA batteries
- → Life: 24 to 100 hours







Command Series Light Sources



Lightweight HANDS-FREE Ergonomic

Weight	Width	Depth	Height
8.4 oz	4.8"	1.3"	1.0"
245 g	12.2 cm	3.2 cm	2.5 cm

HOW TO USE

As with other Alternate Light Sources, must be used with the appropriate goggles or camera filter in order to visualize evidence.

MODELS AVAILABLE

Wavelength		Part Number	Price (USD)		
	White	420-009	\$76.99		
	395 nm	420-311	\$229.99		
	470 nm	420-112	\$229.99		
	495 nm	420-113	\$229.99		
	525 nm	420-114	\$229.99		
	850 nm	420-322	\$229.99		

WARRANTY

Two (2) year warranty on all manufacturer defects from the date of original purchase.

♦ LED / LIGHT OUTPUT

- → 60 Lumen (White Light)
- → 2.8 Watts
- → Operational Distance: up to 3 ft (0.9 m)

♦ FEATURES

- → Accurate to ±3 nm
- → 3 Intensities (30%, 60% and 100%)
- → Quick Tilt (45°)
- → Tap On/Off Switch
- → Elastic Strap

OURABILITY

- → Polycarbonate Housing
- → Impact Resistant
- → Waterproof to 20 ft (6 m)

♦ BATTERY

- → 4 AA Batteries
- → Life: 8 to 20 Hours







Forensic Goggles

Wavelength & Goggle Combinations to Visualize Evidence

Notes and Considerations:

Combinations of different goggles and wavelengths are needed to see evidence. This is due to variations in the chemical and physical properties of the background and evidence itself. The list below indicates the order that goggles are most commonly used with specific wavelengths. For fire investigation, orange goggles should be used first followed by yellow.

Order of Use	380/395 nm	450/470 nm	495 nm	525 nm	850 nm	White	
First					*	**	
Second					_	_	
Third		_			-	_	

^{*}Camera with Infrared capability is needed with IR light source. Evidence cannot be viewed with goggles.

Polycarbonate Wraparound Goggles

Features:

- → Color and Tint Specific
- → Fog-Preventing Air Circulation Slots
- → UV 400--100% UV Protection
- → ANSI Z87.1
- → Lightweight
- → Impact Resistant







^{**}No goggles or filters are needed with white light.

How to See Evidence

NOTES AND CONSIDERATIONS:

Forensic evidence (and the surfaces it's found on) have varying chemical and physical properties. The correct wavelength and goggles along with a dark environment are needed to view evidence. Camera filters can be substituted for a pair of goggles provided they are the same color/tint.

The power of the light source will dictate how close the user needs to be to the evidence in order to see it. Stronger light sources enable the user to stand farther away while weaker ones require the user to be closer.

The chart below is merely a tool to help guide forensic searches. Primary and secondary wavelengths are listed for each type of evidence along with the best tools to use. In some cases, a tertiary wavelength or goggle may be needed to visualize evidence. For example: For detection of latent prints, a 495 nm light source and orange goggles should first be used. If unsuccessful, switch to yellow goggles. If still unsuccessful, switch to a 525 nm light source and use yellow goggles followed by red goggles.

Evidence	Primary Wavelength	Best Way To See	2nd Best Way To See	Secondary Wavelength	Secondary Best Way Wavelength To See
Accelerants—Fire Investigation Oil, Gas, Turpentine	380/395 nm*			450/470 nm	450/470 nm
Area Search	White	0	_	_	_ _
Bite Marks	850 nm**		_	380/395 nm*	380/395 nm*
Blood Dried or Wet	450/470 nm			-	-
Blood <i>Dried on Dark Clothing</i>	850 nm**		_	_	_ -
Bone and Tooth Fragments	450/470 nm			380/395 nm*	380/395 nm*
Bruising	380/395 nm*			850 nm**	850 nm**
General Crime Scene Search Hairs, Fibers, Trace Evidence	450/470 nm		CA	380/395 nm*	380/395 nm*
GSR Gun Shot Residue	450/470 nm			850 nm**	850 nm**
Latent (Finger) Prints Processed with Fluorescent Dye/Powder	495 nm		CN	525 nm***	525 nm***
Questioned Documents	380/395 nm*			850 nm**	850 nm**
Serological / Body Fluids Saliva, Semen, Sweat, Urine	450/470 nm			395 nm*	395 nm*

^{*} Clear Goggles can be used as well.



^{**} Must use with Camera with Infrared Capability (ex. Fuji IS-1). Evidence cannot be visualized with Goggles or with naked eye.

^{***} Use Yellow goggles if unsuccessful with Orange and Red.