

The X-Loupe® AgileLite System Specially Designed for Crime Scene Photography

In late 2014, Lumos Technology Co., Ltd. of Taiwan introduced a new light source solution to the forensics alternate light source market. The X-Loupe® AgileLite System brings a new twist to the use and function of camera mounted light sources with a DSLR camera illumination platform for macro and micro photography designed for both crime scene and laboratory applications. There are other light sources that attach themselves to camera lenses, but they do not have the features offered with the AgileLite System.



The AgileLite features a lighting head for scene and close-up photography. Each offer a quick disconnect platform and universal power controller so that changing platforms is a snap.

X-CORE

The heart of the power controller is the X-Core. This multi-function controller, powered by a built-in Lithium-Ion battery, allows the photographer to control the lighting features and output of the AgileLite attachments. The controller has switches for ON/OFF, light power and oblique lighting options. The oblique lighting options allow the photographer control over shadowing and side lighting by shutting off quadrants of lighting banks. The X-Core unit is easily attached to the hot shoe of the DSLR, and also allows the photographer to switch between white and forensic light with a slide switch located on top of the unit. A LCD panel shows the power and lighting options chosen, as well as the battery power. The unit attaches to the light source with a USB connection.



THE LIGHTS

The X-Loupe® offers two types of lights – barrel and ring. The 4x4 Barrel Light is designed to make crime scene 1:1 latent print



photography efficient. The 1:1 image is produced using Canon or Nikon CMOS sensor cameras and a 60mm macro lens.

The barrel light has two rings of sixteen high output LED lights; one white, the other colored. Each light ring can be controlled with the X-Core power unit by way of brightness or quadrant illumination. Achieving a 1:1 image using the Barrel Light Kit is as simple as snap and shoot. The image can be taken with and without a scale – a scale that is provided with the kit and is inserted into the end of the barrel so that it lines up with the image when the photograph is taken. The scale can be removed as to provide an unobscured image along with the scaled image.



The AgileLite Ring is designed for biological evidence photography and features the same lighting choices and outputs as the barrel light. However, it also has a focusing ring to allow the light to be

concentrated near the center of the field of view for maximum illumination of the subject being photographed. The focusing ring is a simple twist ring on the outside of the barrel of the ring. A secondary lighting control for the ring light includes interchangeable light shields. Both clear and frosted shields are offered to control the amount of glare that may be produced from the light. Each light source is easily connected to the camera by way of a magnetic attachment to a mounting ring on the front of the lens.

KIT CHOICES

The X-Loupe® AgileLite System is available in four kit choices; complete, barrel and ring light, barrel only, or ring only.

The Complete Kit contains five ring lights in a select choice of wavelengths, three barrel lights with a choice of wavelengths, and two X-Core control units, along with four pairs of goggles, two camera filters, lens attachment and accessories.

The Barrel and Ring Light Kit is sold with one barrel light and one ring light, each in a choice of wavelengths and includes an X-Core unit, goggles, filters, lens attachments and accessories.

The Barrel Light Kit or Ring Light Kit is sold with just one barrel or one ring light in any choice of wavelengths, and all the accessories listed in the barrel and ring light kit.



LIGHT CHOICES

The barrel and ring lights have two light banks built into the housing. One ring is always white light and the other is the frequency of your choice at the time of purchase. Lighting choices are 365nm, 405nm, 470nm, 535nm, 740nm and 840nm. Depending on your light choice, appropriate goggles are supplied with each unit.

THE RESULTS

For efficiency in latent print and biological evidence photography, the X-Loupe® AgileLite System is essential to forensics labs and field work. A well thought out system, from the simplistic nature of attaching the light source to the camera to the multi-functionality of the power source, the unit will be a good addition to any crime scene unit.