

# AgileLite System Series

**This powerful and flexible illumination system, encompassing ultraviolet, visible, and infrared light**

Is installed in front of the camera lens barrel and is suitable for applications such as criminal identification, non-destructive testing, and even biotechnology research and cancer detection.

Custom wavelengths are available to meet the specific excitation light needs of various specialized fields



## AgileLite Ring

Attaching onto the lens front end, used for macro / micro shooting.

- Equipping selectable or customized excitation light sources, the inner / outer rings are switchable.
- Each ring equips 16 High Power LED.
- The diversification of lighting positions in 4-Quadrant provide 11 modes Illumination.
- 5-step dimming, intensity is from 0~100%.
- By quick-release magnet adapter to connect to DSLR camera.
- Rotate the Vari-focal Ring, to make illumination angle from 0 to 45 degree, the parallel light will concentrate to be the focused light.



## Color Imaging Filter

49mm.

- Shipment ranging from 1 to 4 pieces, depending on the model (or custom).

Filter Module	Emission Range
49-LPA-C2	520~900nm
49-LPA-C6	560~900nm
49-LPA-D0	600~900nm
49-LPR-C2	520~900nm



## X-Core

Control unit, is for lighting set-up (includes Light Channel, Dimming Intensity, Status Display) and power input.

## Goggles

Investigators should wear goggles with filter when using any FLS.

The type of goggles needed depends on the type of light source used.

- The goggle in conjunction with the light source as below:

Wavelength	Goggles
300~400 nm	Clear
415~445 nm	Yellow
455~515 nm	Orange
535~575 nm	Red

## Accessories List



<input type="checkbox"/> FALS-011	X-Core x 2	AgileLite Ring x 5 365nm / 415nm / 470nm / 525nm / 840nm	Goggle x 4 Clear / Orange Yellow / Red	Filter x 4 LPR-C2 / LPA-C2 LPA-C6 / LPA-D0
<input type="checkbox"/> FALS-012	X-Core x 2	AgileLite Ring x 5 365nm / 415nm / 470nm / 525nm / 840nm	Goggle x 4 Clear / Orange Yellow / Red	Filter x 4 LPR-C2 / LPA-C2 LPA-C6 / LPA-D0
<input type="checkbox"/> FALS-021	X-Core x 1	AgileLite Ring x 1 White light + 470nm	Goggle x 1 Yellow or Orange	Filter x 1 LPA-C2 or LPA-C6
<input type="checkbox"/> FALS-022	X-Core x 1	AgileLite Ring x 1 White light + 470nm	Goggle x 1 Yellow or Orange	Filter x 1 LPA-C2 or LPA-C6
<input type="checkbox"/> FALS-023	X-Core x 1	-----	Goggle x 1 Yellow or Orange	Filter x 1 LPA-C2 or LPA-C6

# X-Loupe® AgileLite System Specification

X-Core (Control unit)	
Function	Power ON, Off / Light Channel Switch / Lighting Modes Setting / Dimming Control
LCD Status Display	Battery check / Channel output / Lighting Modes / Lighting Intensity
Battery	Built-in SANYO® Rechargeable Li-ion Battery, 5200mAh
Charging method	via Power Adapter (packed separately); Input: AC 100~240V; Output: DC 5V / 2A <b>NOTE: Only use dedicated charger for charging</b>
Charging Time	1st charge 8 hrs and subsequently charge around 5 hrs
Lasting Time (5200mAh)	10 hrs with default light intensity, 6 hrs with maximum intensity (5-step)
Body Material	ABS and PMMA, RoHS compliant
Dimension	88.3mm x 63.15mm x 54mm
Weight	< 200g
Operating Environment	0~40°C

Use in conjunction with X-core	AgileLite Ring
Compatible with camera / lens	FUJIFILM camera X-T30 + XF60mm F2.4R Macro Lens
Mounting Method	Magnet mount
Filter	49mm (outside diameter $\leq$ 54mm, thickness $\leq$ 5mm) / Glass
Channel & Light source	Channel W: White light Channel F: Blue light (365nm / 415nm / 470nm standard / 525nm / 840nm; based on the order received)
LED Brand	White light: High power Cree® LED, or Nichia CRI > 90CRI Blue light (or Custom wavelength): High power Cree®, Nichia or OSRAM LED, choose by wavelength
LED Number	32
Dimming intensity	Intensity is dimmable from 0% to 100% with 5-step dimming modes
Lighting Modes	11 modes: Full Ring light X1 ▶ Half Ring light X4 ▶ 1:2 Brightness Ratio X4 ▶ Diagonal light X2
Color Temperature (White light)	5000K + / - 500 (angle 0°, distance 1.5 cm)
Illuminance	of best lighting angle: 9000lux + / - 500 (angle 0°, distance 1.5 cm)
Illumination Angle Control	Manual, 0~45 degree from optical axis
Accessories Material	Lampshade: Clear acrylic; Frosted acrylic
Body Dimension	$\Phi$ 84.7mm x (H) 40.24mm
Body Material	Aluminum alloy, RoHS compliant
Weight	< 330g
Power cable length	30cm
Operating Environment	0~40°C

★ We (Lumos Tech.) reserves the right to change the product appearance or specification. The contents of catalogs / manuals are subject to change without prior notice.

★ The system only support and to be used with Canon or Nikon APS-C camera / 60mm macro lens for the best effect.

Distributor



Products



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