

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 NOTE: Only use dedicated charger for charging
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 ≤ 54mm, thickness ≤ 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	∅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.



This picture is for reference only and the real object should be considered as final (4X4 Barrel Discontinued)



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.

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

Color Imaging Filter

49mm.

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



Filter Module	Emission Range	Note
49-LPA-C2	520-900nm	long pass, absorption filter
49-LPA-C6	560-900nm	
49-LPA-D0	600-900nm	
49-LPR-C2	520-900nm	long pass, reflection filter



X-Core

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

Accessories List



FALS-011

Protective Carrying Case (L)

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

FALS-012

Protective Carrying Case (L)

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

FALS-021

Protective Carrying Case (S)

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

FALS-022

Protective Carrying Case (S)

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

FALS-023

Protective Carrying Case (S)

X-Core x 1

Goggle x 1
Yellow or Orange

Filter x 1
LPA-C2 or LPA-C6

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