

# UX-LL

## Multispectral Line Light

### Model: UX-LL

Metaphase is proud to introduce our next generation of breakthrough LED illumination for the machine vision market with the latest addition to our family of Multispectral LED lights, the RGB + IR LED Line Light.

Traditionally multispectral line scan inspection applications, such as agriculture (fruit, meat, etc.) inspection, required multiple inspection stations, each with its own camera and unique single wavelength (color) LED light. Multispectral cameras from companies such as Teledyne Dalsa and JAI, along with these Metaphase line lights configured with individually controllable RGB & IR LEDs can perform all these inspections at a single station. With discrete R, G, B, and IR LEDs you can maximize contrast by choosing the best color and provide more intensity in specific wavelength compared to a traditional monochrome white line light.



#### FEATURES

- Individually controllable RGB & IR LEDs to maximize contrast
- 1 light + 1 camera = multiple inspections, multiple solutions
- Works great when paired with Quad-linear cameras from companies such as Teledyne Dalsa and JAI
- Ideal for print inspection, banknote, package and label inspection, food inspection, and more.

#### SPECIFICATIONS

Housing:	Aluminum
Intensity Control:	0 – 10V intensity control built in
Operating Temperature:	-30°C to 60°C
Lifetime Hours:	75,000

#### WAVELENGTH (nanometers)

Note: Multispectral & custom wavelengths available

W	White 6000K
R	Red 630 nm
G	Green 530 nm
B	Blue 470 nm
IR	Infrared 850 nm (940 nm and longer IR wavelengths are available)

**Other color combinations may be available upon request**

## SPECIFICATIONS (continued)

Model	Length	Model	Length	Model	Length
UX-LL209	5 in (12.7 cm)	UX-LL1009	45 in (114.3 cm)	UX-LL1809	85 in (215.9 cm)
UX-LL309	10 in (25.4 cm)	UX-LL1109	50 in (127 cm)	UX-LL1909	90 in (228.6 cm)
UX-LL409	15 in (38.1 cm)	UX-LL1209	55 in (139.7 cm)	UX-LL2009	95 in (241.3 cm)
UX-LL509	20 in (50.8 cm)	UX-LL1309	60 in (152.4 cm)	UX-LL2109	100 in (254 cm)
UX-LL609	25 in (63.5 cm)	UX-LL1409	65 in (165.1 cm)	UX-LL2209	105 in (266.7 cm)
UX-LL709	30 in (76.2 cm)	UX-LL1509	70 in (177.8 cm)	UX-LL2309	110 in (279.4 cm)
UX-LL809	35 in (88.9 cm)	UX-LL1609	75 in (190.5 cm)	UX-LL2409	115 in (292.1 cm)
UX-LL909	40 in (101.6 cm)	UX-LL1709	80 in (203.2 cm)	UX-LL2509	120 in (304.8 cm)



*Possible lighting configurations*

### APPLICATIONS

- Package and label inspections
- Food and fruit inspections
- Circuit board inspections

### DRIVERS/OPTIONS

- **24V** – for use with a standard 24V constant voltage power supply [**24**]
- **ULC-2** – for use with constant current controllers such as our ULC-2 Universal Controller [**U**]
- **ILS** – configure for strobing applications with power boost for increased intensity for rising and falling edge triggers [**ILS**]
- **Keyence** – compatible with Keyence light controllers such as the Keyence CA-DC21e [**KEY**]
- **Baumer** – compatible with Baumer VeriSens cameras
- **Cognex** – compatible with Cognex cameras
- **UC** – compressed air cooled [**UC**]
- **UG** – liquid cooled [**UG**]
- Versions also available for 3<sup>rd</sup> party controllers such as: Gardasoft, Trinita, Opteon, Visics, etc.

### COMPLIANCE



### CONTACT US

Contact your Metaphase Technologies representative at 215-639-8699 or your local representative for additional details, options, and customizations.