UNILUX®
The Power To See

LED12

CRYSTAL CLEAR DETAIL FROM A DISTANCE, ANYWHERE ON THE LINE

Solve production problems close to their source with the portable LED12 inspection strobe. Long-life LEDs eliminate the need for bulb changes and provide more light output than ever before, making it easy to observe from a distance. New technology inside the LED12 enables fine adjustments to flash rate and duration, to quickly isolate fine detail in a target inspection area. Like all Unilux inspection lights, the LED12 performs well in harsh manufacturing environments with rugged construction and Li/Ion quick-change batteries.

- Inspect anywhere in your production process
- Pinpoint defect origins quickly and efficiently
- Monitor startup and shutdown procedures
- Provide motion analysis and diagnostics of all mechanical equipment

Also available in a UV option for the to allow inspection of security printing, optical brighteners in coatings, sealers and UV-visible inks.

STANDARD & UV OPTIONS

LONG-LIFE LEDS ELIMINATE LAMP REPLACEMENT

QUICK-CHANGE BATTERY

FEATURES
- Phase control
- Adjustable flash
- Flexible triggering sources
- White light approaching visible spectrum of sunlight
- One hour of continuous battery power, full recharge within 4 hours
- Ozone-free, environmentally friendly
- Quick change batteries ensure that the unit is always ready for inspection
- Lightweight, compact design

APPLICATIONS
- Printing & Converting: inspection of print quality, print-to-die and die-to-die registration, slit edge, laminating and coating quality
- Paper: analysis of spray nozzles, formation and transfer, machine troubleshooting and diagnostics
- Metals: surface inspection on galvanizing lines, inspection lines, recoil lines, tension leveling and tin
- Textiles: spinner analysis
- Maintenance: detection of slippage in belts and webs, high speed motion timing, motor speed measurement, shafts, gears, pulleys and bearings, vibration analysis
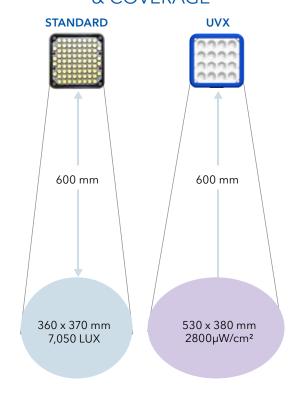- Camera driven inspection to record perfectly illuminated footage at 30 or 60 frames per second

SPECIFICATIONS

LED12

	LED12 Handheld		LED12 UVX Handheld
MODEL NUMBER	03-1266-DC-S		03-1269-DC-UVX
Color Rendering Index	CRI 75		
Color Temperature	6,500 Kelvin		
Wavelength			365 nm
Power Requirements	2 Amp	5 Amp	2 Amp
European Community Rest of the World	(18V) (20V)	(18V) (20V)	(18V) (20V)
Battery Run Time (Typical)*	Up to 1 hr	Up to 4 hrs	Up to 8 hrs
Physical Dimensions	**Size**		**Weight**
Handheld (2A Battery)	184 x 119 x 287 mm (5.2 x 4.2 x 9.2 in)		1.6 kg
Handheld (5A Battery)	184 x 119 x 304 mm (4.9 x 4.0 x 2.5 in)		1.8kg
Light Output	**Standard**		**UVX**
@ 300 mm (12 in)*	8750 LUX		7100µW/cm²
@ 600 mm (24 in)*	7050 LUX		2800µW/cm²
@ 900 mm (36 in)*	3850 LUX		--
PEAK OUTPUT	**9000 LUX**		**9900µW/cm²**
Coverage (W x H)	**Standard**		**UVX**
@ 300 mm (12 in)*	280 x 295 mm		400 x 300 mm
@ 600 mm (24 in)*	360 x 370 mm		530 x 380 mm
@ 900 mm (36 in)*	465 x 485 mm		--
Flash Rates	**Standard**		**UVX**
Internal Trigger Mode	30-99999.9 flashes per minute		30-99999.9 flashes per minute
External Trigger Mode	0-99999.9 flashes per minute		0-99999.9 flashes per minute
External Trigger	**Standard**		**UVX**
Source	0 - 1666.665 Hz		0 - 1666.665 Hz
Pulse (TTL)	4.5V - 40V @ 10mA 500µs min pulse width		4.5V - 40V @ 10mA 500µs min pulse width
Open Collector	4.5V - 40V @ 10mA 500µs min pulse width		4.5V - 40V @ 10mA 500µs min pulse width
Contact Closure	15V and Ground Supplied 500µs min pulse width		15V and Ground Supplied 500µs min pulse wid
Flash Duration	**Standard**		**UVX**
	2µs to 1% of the flash period capped at 100µs		2µs to 1% of the flash period capped at 100µs
Environmental			
Operating Temperature Humidity	32°F to 104°F / 0°C to 40°C 0-95% non-condensing		

LIGHT OUTPUT & COVERAGE*

STANDARD   **UVX**

600 mm   600 mm

360 x 370 mm 7,050 LUX   530 x 380 mm 2800µW/cm²

*All measurements taken at 6,000 F/M, 50 µSec duration.

NOTE: Larger areas can be illuminated by holding the light further away and controlling ambient lighting. Unilux recommends strobe lighting levels be at least 4 times brighter than the ambient lighting.

ACCESSORIES

CASE
For easy, compact and safe storing and transporting of your strobe.

VIDEO TRIGGER CABLE
Used to connect the strobe to a compatible video camera.

TRIGGER CABLE
Allows a portable strobe to be triggered externally using a TTL, Open Collector, or Contact Closure source.

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Our knowledgeable local sales representatives will review your requirements with you to help determine which Unilux stroboscope is best for your process. We will bring our products to your facility for an on-site-demonstration. For further information visit our website at www.unilux.com.