UNILUX®
The Power To See

UV
STROBOSCOPIC INSPECTION

SUPERIOR LIGHT OUTPUT FOR UV SECURITY INSPECTION

Insufficiently protected documents can be easily copied or forged. UV inks are used in text and image elements as an effective measure to maintain security. With the help of UV inspection strobe lights, the quality of the security elements can be checked during the printing process. Our LEDUV inspection lights are available in handheld and fixed mount versions. These new UV strobes are 10 times brighter than Xenon lights.

SMART ASSIST LED250UVX SPOT

LED12 UVX

LED9 UVX

LED9 UVX

Improved coverage – Larger coverage area and greater clarity even in well-lit environments.

Reduced operator fatigue – Greater uniformity across the web eliminates "hot spots" that can make inspection difficult and uncomfortable.

Environmentally safer – LEDs emit no ozone gas providing a healthier environment.

Reduced maintenance – The lifespan of LEDs is 8 years versus 6 months for xenon bulbs.

Reduced downtime – Less downtime and reduced labor cost due to the long life of LEDs.

SECURITY PRINTING & COATING APPLICATIONS

Financial: Tax documents, financial documents, checks, bank notes, serial numbers, currency, credit card foils

Government: Ballots, identification cards, passports, government bonds, postage stamps, lottery tickets, prescription pads

Product: Anti-tampering devices, product authentication, date & lot validation, anti-counterfeiting, promotions, coatings, polyester films

LED1UVX

SMART ASSIST LED500 UVX-1500 UVX

OUTSTANDING DESIGN

- Handheld & fixed mount models
- Range of widths and coverage areas to accommodate any need
- High quality, durable metal construction

EXCEPTIONAL FEATURES

- 10 times brighter output than xenon UV's
- Even illumination up to 280 to 2300 mm
- Separate flash rate & flash duration adjustments
- Adjustable flash rate from 300 to 100,000 flashes per minute

BENEFITS

- Less waste, higher yield
- Improves operating efficiencies
- Low cost of ownership – made to last indefinitely
- No lamp replacement or unit maintenance

SPECIFICATIONS

Model Number	LED1 UVX	LED9 UVX	LED12 UVX	LED250 UVX	LED500 UVX	LED1000 UVX	LED1500 UVX
Handheld	03-1250	03-1268-DC-UVX	03-1269-DC-UVX	--	--	--	--
Fixed Mount	--	03-1268-UVX	--	03-1270-250	03-1270-500	03-1270-1000	03-1270-1500
Technical Data							
Handheld Power Requirement	4W (9VDC @ .44A max)	18V 2-5 AH 20V 2-5 AH (N. America Only)	18V 2-5 AH 20V 2-5 AH (N. America Only)	--	--	--	--
Fixed Mount Power Requirement	--	7.5 W (15VDC@.5A)	16 W (15VDC@1.05A)	65W (100V@.85A)	135W (100V@1.5A)	270W (100V@3.0A)	405W (100V@4.5A)
Battery (handheld only)							
Run Time	Up to 6 Hours of continuous use	Up to 8 Hours*	Up to 1 hours (2AH) Up to 4 hours (5AH)	--	--	--	--
Light output	**@ 300 mm**/6000 F/M 62 uW/cm2	**@ 600 mm**/6000 F/M 680 µW/cm2	**@ 600 mm**/6000 F/M 2800µW/cm²	**@600 mm** /6000 F/M 1900 µW/cm²	**@600 mm** /6000 F/M 2890 µW/cm2	**@600 mm** /6000 F/M 2890 µW/cm2	**@600 mm** /6000 F/M 2890 µW/cm2
Wavelength	365 nano meters (nm)						
Peak Radiance	--	**1960 µW/cm2**	**9900 µW/cm²**	**4600 µW/cm²**	**7660 µW/cm²**	**7660 µW/cm²**	**7660 µW/cm²**
Coverage area (Under controlled light conditions)	280 mm Diameter	400 x 425 mm	530 x 380 mm	865 x 750 mm	1200 x 1000 mm	1750 x 1000 mm	2300 x 1000 mm
External Trigger Source		0 - 833.33 Hz	0 - 833.33 Hz	0 HZ TO 1666.65 HZ			
Pulse (TTL)	--	4.5V - 40V @ 10mA 500µs min pulse width	3.0-40V@ 10mA 100µs min pulse width	4.5V - 40V @ 10 mA 500µs min pulse width			
Open Collector	--	4.5V - 40V @ 10mA 500µs min pulse width	3.0 - 40V@ 10mA 100µs min pulse width	4.5V - 40V @ 10 mA 500µs min pulse width			
Contact Closure	--	15V and Ground Supplied 500µs min pulse width	12V @ 30mA and Ground Supplied 100µs min pulse width	15V and Ground Supplied 500µs min pulse width			
Flash Rates							
Internal Trigger Mode	300-50,000 flashes per minute	30-50,000 flashes per minute	300-50,000 flashes per minute	30-99,999 flashes per min			
External Trigger Mode	--	0-50,000 flashes per minute (fixed mount)	0-50,000 flashes per minute	0-99,999 flashes per min			
Encoder Mode	--	300-50,000 flashes per minute (fixed mount)	--	30-99,999 flashes per min			
Flash Duration							
	10µs to 1% of the flash period capped at 100µs	2µs to 1% of the flash period capped at 100µs	10µs to 1% of the flash period capped at 100µs	2µs to 1% of the flash period capped at 100µs			
Physical Dimensions (L x Wx H)							
Handheld Size	147 x 89 x 25 mm	132 x 107 x 234 mm	184 x 119 x 287 mm 2AH 184 x 119 x 304 mm 5AH	--	--	--	--
Fixed Mount Size	--	126 x 102 x 64 mm	176 x 110 x 110 mm	285 x 99 x 155 mm	513 x 114 x 155 mm	970 x 114 x155 mm	1428 x 114 x 155 mm
Handheld Weight	0.30 kg	1.1 kg	1.6 kg	--	--		
Fixed Mount Weight	--	.52 kg	.8 kg	2.47 kg	4.22 kg	7.64 kg	11.02 kg
Operating Temperature	--	0 C to 40 C (32 F to 104 F)					
Humidity	--	0-95% noncondensing					

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