

# UV

## STROBOSCOPIC INSPECTION

**UNILUX**  
The Power To See



LED12 UVX



LED9 UVX

## 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  
LED250UV SPOT



LED9 UVX

## 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

**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.



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 UV SPOT	LED500 UVX	LED1000 UVX	LED1500 UVX
Handheld	03-1250	03-1268-DC-UVX	03-1269-DC-UVX	--	--	--	--
Fixed Mount	--	03-1268-UVX	--				
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 4300 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	9650 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	600 x 600 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 x 155 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					

