

# LED1

## THE BRIGHT STROBOSCOPE THAT FITS IN ANY POCKET.

On-site inspection of small areas - that is the specialty of the LED1. This handy stroboscope is designed for narrow web inspection, but also for maintenance and troubleshooting, E. G. machine parts. Its grip format makes it the ideal companion for operators, service technicians and inspectors. The bright stroboscope that fits in any pocket.

The LED1 is small, but the light intensity should not be underestimated. The second generation of the pocket-sized stroboscope is significantly brighter than its predecessor. In addition it is a real lightweight (less than 300 g). Available in white light and UV.



### APPLICATIONS

- Inspection: Printing & converting, paper, textile manufacturing
- Plant maintenance: Belts, chains, high speed motion timing, detect slippage in belts & webs
- Monitor: Linear motion of packages, bottles, press registration
- Tachometer: Motor speeds, shafts, gears & pulleys
- Security Printing: UV inks used in financial and government documents
- Adjustable flash duration
- Brighter than any comparable hand held inspection lighting
- Super portable by one-hand operation and battery powered
- Up to 3 hours of continuous use or up to 6 hours of intermittent use\*
- Rugged construction
- Lightweight (<300 g)
- Best warranty in the industry

STANDARD  
& UV OPTIONS

LONG-LIFE LED  
LIGHT ENGINE

COMPACT AND  
LIGHTWEIGHT

\*Dependent on duration and flash settings



TECHNICAL DATA	STANDARD	UV
Power Requirements	6W (9VDC @ 0.67A max)	4W (9VDC @ .44A max)
Battery Run Time*	Up to 3 hours	Up to 6 hours
Light Output		
Duration of 50 $\mu$ s	@300 mm 1940 LUX	@300 mm 62 $\mu$ W/cm <sup>2</sup>
Coverage	Diameter @ 300 mm 125 mm	Diameter @ 300 mm 280 mm
Flash Rates	300 - 50000 flashes per minute	
Flash Duration	10 $\mu$ s to 1% of the flash period capped at 100 $\mu$ s	
Physical Dimensions L x W x H		
Size	147 x 89 x 25 mm	
Weight	0.3 kg	

\*Dependent on duration and flash settings

## STANDARD COVERAGE AT 300 MM

## UV COVERAGE AT 200 MM



LIGHT OUTPUT  
62  $\mu$ W/cm<sup>2</sup>



**NOTE:**

Larger areas can be illuminated by holding the light further away and controlling ambient lighting.

Unilux recommends strobe lighting levels be at least four times brighter than the ambient lighting.



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](http://www.unilux.com).

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