

# HANDHELD

WHITE STROBOSCOPIC INSPECTION LIGHTS



## ACHIEVE CRYSTAL CLEAR DETAIL, ANYWHERE IN YOUR PRODUCTION PROCESS.

Unilux handheld stroboscopic lights allow you to quickly confirm quality and spot product imperfections anywhere on the line.

Each model provides powerful output to inspect fine detail in any location now made even easier by units that are one-third lighter than previous models. An adjustable flash rate and flash duration make it easy to synchronize with the speed of motion so you can inspect quality, reduce waste, and deliver the quality product that your customers are expecting. These portable units come in flood, spot and UV versions.

### APPLICATIONS

Printing	Converting	Paper	Metals	Textiles
Inspection of print quality and registration, folding alignment, security print inspection and embossing quality	Trimmed edge and performance analysis Surface inspection of adhesive and coatings Die-to-die registration	Inspection of felt & wire, formation, dewatering, turbulence, bearings & gears, surface quality	Pinpoint the location and cause of surface defects	Inspection of weaving, spinning, drawing of thread or yarn

### KEY FEATURES

- Range of coverage options: From tight spaces to wide open areas
- Exceptional brightness and precise control over settings to quickly and consistently spot defects
- High quality, durable metal construction
- For maintenance & portable inspection
- Different types of lenses available: Standard-FLOOD and SPOT coverage. Please ask for LED-UV strobes in case you want to inspect security elements.



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### 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.



Model number	03-1249
Battery run time	up to 4 hours
Light output (in 30 cm distance)	1,940 lux
Coverage (in 30 cm distance)	125 mm Ø
Flash rate	300 - 50,000 flashes per minute
Flash duration	10 µs to 1% of the flash period capped at 100 µs
Size	147 x 89 x 25 mm
Weight	0.3 kg

### LED3

#### Inspection light all-arounder for almost every application

For inspection in narrow spaces, the LED3 is twice as bright as prior models. A compact, light-weight design makes it ideal for narrow web inspection to ensure print, registration and slit quality. Available in standard flood and spot coverage.



	STANDARD FLOOD coverage	SPOT coverage
Model number	03-1281-DC-F	03-1281-DC-S
Light output (in 30 cm distance)	3,950 lux	6,440 lux
Coverage (in 30 cm distance)	290 x 195 mm	170 x 175 mm
Battery run times	up to 3 hours (w/2Ah battery) up to 7 hours (w/5Ah battery)	
Flash rate	30 - 50,000 flashes per minute	
Flash duration	2 µs to 1% of the flash period capped at 100 µs	
Size (w/2Ah battery)	132 x 107 x 234 mm	
Weight (w/2Ah battery)	1.1 kg	

### LED9

#### The brightest, lightest, most efficient inspection light in its class

The LED9 is perfectly suited for inspection in narrow spaces. With its exceptionally bright light, you will be able to see clear detail at full production speed. Available in standard flood and spot coverage.



	STANDARD FLOOD coverage	SPOT coverage
Model number	03-1282-DC-F	03-1282-DC-S
Light output (in 60 cm distance)	1,300 lux	2,300 lux
Coverage (in 60 cm distance)	560 x 340 mm	310 x 290 mm
Battery run times	up to 2.5 hours (w/2Ah battery) up to 6.0 hours (w/5Ah battery)	
Flash rate	30 - 50,000 flashes per minute	
Flash duration	2 µs to 0.5% of the flash period capped at 100 µs	
Size (w/2Ah battery)	132 x 107 x 234 mm	
Weight (w/2Ah battery)	1.1 kg	

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### LED12

#### Crystal clear inspection at a distance

Solve your production and inspection problems close to their source. The LED12 has twice the light output of its predecessor and offers higher performance levels.

<b>Model number</b>	03-1266-DC-S
<b>Battery run time</b>	up to 2 hours (w/2Ah battery) up to 4 hours (w/5Ah battery)
<b>Light output &amp; coverage</b>	
in 60 cm distance	360 x 370 mm / 7,050 lux
in 90 cm distance	465 x 485 mm / 3,850 lux
<b>Flash rate</b>	30 - 99,999.9 flashes per minute
<b>Flash duration</b>	2 µs to 1% of the flash period capped at 100 µs
<b>Size &amp; Weight</b>	
w/2Ah battery	211 x 119 x 284 mm / 1,8 kg
w/5Ah battery	211 x 119 x 304 mm / 2,0 kg
<b>Triggering</b>	Pulse (TTL), open collector or contact closure



### LED27

#### Powerful and extremely versatile

It is the only portable inspection strobe that features Smart Assist graphic interface for easy operation in multiple languages. Rugged metal construction ensures that the LED27 is ready to perform when you need to take it out on the line.

	FLOOD coverage	SPOT coverage
<b>Model number</b>	03-1251-DC-F	03-1251-DC-S
<b>Light output</b> (in 60 cm distance)	1,900 LUX	8,250 LUX
<b>Coverage</b> (in 60 cm distance)	750 x 520 mm	390 x 370 mm
<b>Flash rate</b>	30 - 99,999.9 flashes per minute	
<b>Flash duration</b>	2 µs to 1% of the flash period capped at 100 µs	
<b>Size &amp; weight</b>	146 x 106 x 296 mm / 2.1 kg (w/5Ah battery)	
<b>Triggering</b>	Pulse (TTL), open collector or contact closure	



Flood



Spot

### LED BEACON

#### Detect paper formation problems anywhere in the papermill

A versatile inspection strobe light ideal for evaluating dozens of functions in the paper manufacturing process to ensure quality of the end product. Efficient, clear evaluation of all high-speed operations of the paper machine at any distance required.

<b>Model number</b>	03-1254-DC-S-IP
<b>Battery run time</b>	up to 1.5 hour (w/5Ah battery)
<b>Light output &amp; coverage</b>	
in 1.0 meter distance	400 mm Ø / 683 lumen
in 2.0 meters distance	800 mm Ø / 683 lumen
in 4.6 meters distance	1500 mm Ø / 683 lumen
<b>Flash rate</b>	30 - 99,999.9 flashes per minute
<b>Flash duration</b>	2 µs to 0.5% of the flash period capped at 100 µs
<b>Size &amp; Weight</b>	184 x 119 x 304 mm / 2,1 kg (w/5Ah battery)
<b>Triggering</b>	Video, pulse (TTL), open collector or contact closure



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### LOL5

#### Rugged, lightweight and easy to use

This powerful light supplies bright, sharp, even illumination. The LOL-5's rugged design holds up in all types of operations.

Model number	03-1262-DC
Light output (in 30 cm distance)	645 lux
Coverage (in 30 cm distance)	400 x 300 mm
Flash rate	30 - 6,000 flashes per minute
Flash duration	20 $\mu$ s
Size & Weight	135 x 140 x 268 mm / 1.48 kg (w/2Ah battery)
Triggering	Pulse source, contact closure or open collector



### MITI-LITE

#### Spot checking and pinpointing defects over a wide area

The Miti-Lite illuminates the largest area of any portable Xenon strobe. So inspecting for surface quality, formation activity, and coating defects, or pinpointing defect origins can be done anywhere on the line.

Model number	03-1118-VC
Light output (in 1000 mm distance)	900 lux
Coverage (in 760 mm distance)	760 x 760 mm
Flash rate	30 - 18,000 flashes per minute
Flash duration	20 $\mu$ s
Size & Weight	168 x 162 x 333 mm / 2.1 kg (w/5Ah battery)
Triggering	Video 1Vpp unterminated, pulse source or contact closure



## HEADQUARTER AND FACTORY

### UNILUX INC

Saddle Brook, NJ 07663, USA  
(t) +1-201-712-1266  
unilux@unilux.com

## GLOBAL OFFICES

### UNILUX EUROPE GMBH

40627 Düsseldorf, Germany  
(t) +49-211-28071171  
info@unilux-europe.eu

### UNILUX ASIA

Bangkok, 10110, Thailand  
(t) +66-086-977-1303  
kirk@unilux.com

### UNILUX CHINA

Shanghai, 200135, China  
(t) +86-021-68552511  
joezhao@unilux.com

### UNILUX INDIA

New Dehli – 110059, India  
(t) +98-1899-6772  
ashwani@unilux.com