

LED Lightsource

40 Super-Bright LEDs
(arranged in a 10 x 4 array)

Flash Range

30 to 300,000 FPM
(flashes per minute)

- 40 High Power LEDs produce 5000 Lux Peak Brightness
- Flash range of 30 – 300,000 fpm (0.5 – 5000 Hz) with user-selected units of Hz, FPM, 1/MIN
- Adjustable flash duration allows for optimal tuning of brightness and image sharpness
- External trigger input for flash control via external sensor
- Designed for fixed-mounting using 1/4"-20 Tripod Mount or 2 M5 Threaded Inserts
- Supplied with AC-Adapter (100 – 265V AC)
- Screw-on handle, rubber strobe guards and carrying case (optionally available)
- CE Certified with 1-Year Warranty



LED Fixed-Mount Inspection Stroboscope Model LS-3-LED

High-performance LEDs produce a bright/sharp image and uniform light distribution for web widths up to 10" (25cm).



LS-3-LED

The new LS-3-LED is a high-performance LED stroboscope designed for process and narrow web inspection. It is ideal for use with webs up to 10" (25cm) in width.

The LS-3-LED features a rugged aluminum housing with forty, high performance LEDs providing a peak brightness of 5000 Lux and convenient adjustment of flash duration to easily select the optimal balance of brightness and image sharpness. It is supplied with a universal battery charger (100 – 240VAC) with USA, Euro and UK plug adapters. Its convenient tripod mount allows for easy installation on a range of equipment.

Built-in strobe control allows for easy adjustment of flash rate, brightness, phase and more. External input allows syncing the strobe with a remote sensor

LS-3-LED Specifications

LEDs	40 Hi-Powered LEDs in a 5x8 array	Housing Protection	IP30
Frequency Range	30 - 300,000 FPM (0.5 - 5000Hz)	Dimensions	6.0" x 5.1" x 4.4" (150 x 130 x 112mm)
Flash Duration	Adjustable (1 usec up to 2000 usec)	Weight	2.09 lbs. (0.95 Kg)
Accuracy	± 0.02% (± 1-digit/±0.025usec)	Ambient Temperature	32° to 114°F (0° to 40°C)
Resolution	± 0.1 FPM (30 - 999) ± 1 FPM (1000 - 9999) ± 10 FPM (10,000 - 300,000)	Storage Temperature	-10° to 125°F (-25°C to 70°C)
Brightness	5000 Lux @ 6000 FPM / 12 inch (30cm) - and 3° Sharpness	Humidity	Max. 95% not condensing
Flash Color	Approx. 5,000 - 8000 K	Certifications	Certificate of CE conformity
Display	LCD, multiple lines	Warranty	1 Year
External Trigger Input	3 to 30 V / max. 5 mA Potential-free optocoupler DIN 41524 5-pin standard plug Uout = Uin, max. 200 mA switchable trigger input	Mounting Holes	Located on underside of housing: (1) 1/4 - 20UNC in center (2) M5 Threaded Inserts (60 mm c:c) outer
Trigger Output	Not available	Power	24V DC supplied via Universal AC Wall Plug Adapter (100 - 240V AC), included
Material	Aluminum	Default Settings	FREQUENCY=1000 FPM, BRIGHT=1°/166usec, PHASE=0, TRIGGER=INT, Display Units=FPM, Multiplier=x1, Bright Units=deg, Delay=0msec, Divider=1, Slow=0, Trigger=0(rising)

Complete Kit

The LS-3-LED is supplied as a complete kit including the strobe, universal AC adapter with USA, EURO and UK plugs, DIN Connector (for use when externally triggering from sensor), traceable calibration certificate and instruction manual with Quick-Start Guide.



Shown with optional, foam-fitted, plastic carrying case.

LED Strobe Models Comparison

Model	LEDs	Array Size	Brightness (peak)	Housing Width
 LS-3-LED	40	10 x 4	5000 Lux	150mm (6 inch)
 LS-5-LED	80	10 x 8	6000 Lux	150mm (6 inch)
 LS-9-LED	120	15 x 8	7500 Lux	230mm (9 inch)
 LS-9-LED-WB	120	5 x 8 (3X)	7500 Lux	440mm (17 inch)
 LS-18-LED	200	25 x 8	9000 Lux	440mm (17 inch)
 LS-36-LED	480	60 x 8	14000 Lux	948mm (37 inch)



Optional Accessories

SAS-DT300 Articulating Swing Arm permits flexible and secure mounting of our digital stroboscopes. It includes a surface mount swivel bracket for mounting to horizontal surface and mounting screws. Capacity of approx. 3.5 Lbs (1.6 Kg).

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