

LED Fixed-Mount Inspection Stroboscope Model LS-36-LED

LED Lightsource

480 Super-Bright LEDs
(arranged in a 60 x 8 array)

Frequency Range

0 to 120,000 FPM
(flashes per minute)

- Light intensity of 14,000 Lux
- LEDs provide lifetime use and never require replacement.
- Extremely bright homogeneous and large area illumination for web widths up to 47" (1200mm) and wider.
- For web widths greater than 47" (1200mm), two or more strobes can be connected in parallel.
- Includes Universal Power Supply.
- Flash rates up to 120,000 fpm (2000 Hz) for high-speed applications.
- Adjustable light intensity and sharpness.

High-performance fixed-mount LED-stroboscope with 480 LEDs provides powerful light output and homogenous illumination for XXL-web widths.

High light output. 480 high-performance LEDs, gives the LS-36-LED a powerful light intensity. The large, homogeneous illumination surface delivers superb results even under difficult light conditions, making the LS-36-LED suitable for a wide range of measurement, observation and inspection functions.

High focus: With an adjustable flash duration from 1–1000 µseconds, you will easily find the best combination between light intensity and sharp images for every application.



LS-36-LED

Flexible adjustment for all applications: The stroboscope can be controlled directly by the trigger signal of your system without the need for additional control units or by various control devices. When using these trigger options simultaneously, you can easily alternate between the signal inputs by using the switch on the reverse side of the device.

The LS-36-LED is ideal for fixed-mounting on a wide variety of machinery and for many demanding visual inspection tasks, such as those in the printing industry.



Additional control options:

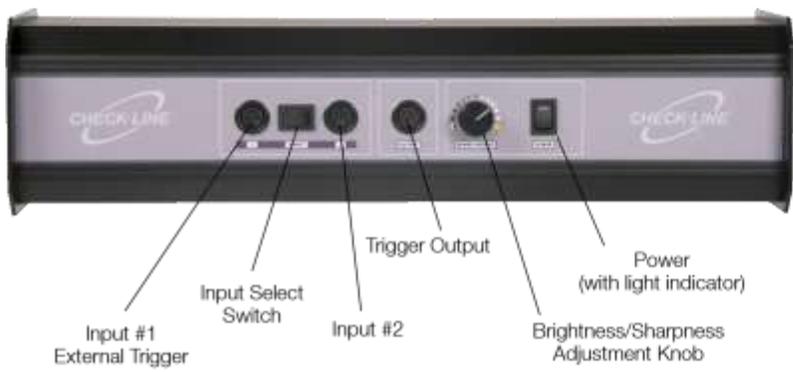
LS-FCM: A simple and inexpensive unit for controlling flash frequency. You simply insert this small control unit into one of the sockets on the reverse side of the device.

LS-SCU: For adjusting the flash frequency, phase shift, delay time and trigger divider. This unit is connected to the stroboscope by cable and provides the convenience of remote control even if the stroboscope within your machine is difficult to access.

LS-36-LED Specifications

LEDs	480 in a 60 x 8 array	Illumination Intensity	14,000 Lux / 12" / 30cm
Frequency range	0 to 120,000 FPM (flashes per minute)	Illumination area	12 x >40" (30 x >100cm)
Power supply	24 VDC (± 10%) DIN 41525 5-pin standard plug (universal power supply standard)	Flash color	5000 to 8,300 K (approx.)
Power Consumption	40 Watt	Material	Aluminum with glass lens
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	Dimensions	37.3" x 5.1" x 4.4" (948 x 130 x 112mm)
Light intensity/sharpness	Adjustable	Weight	9.25 lbs. (4.2 Kg)
Illumination intensity single flash	1.4 Mega-Lux / 12" / 30cm	Ambient temp.	32 to 114 °F (0 to 40 °C)
		Storage temp.	-13 to 158 °F (-25 to 70 °C)
		Humidity	Max. 95% not condensing
		Certifications	CE conformity

Controls



Related Products

LS-FCM

Flash Control Module

- Plugs into a strobe providing manual control of the flash rate.



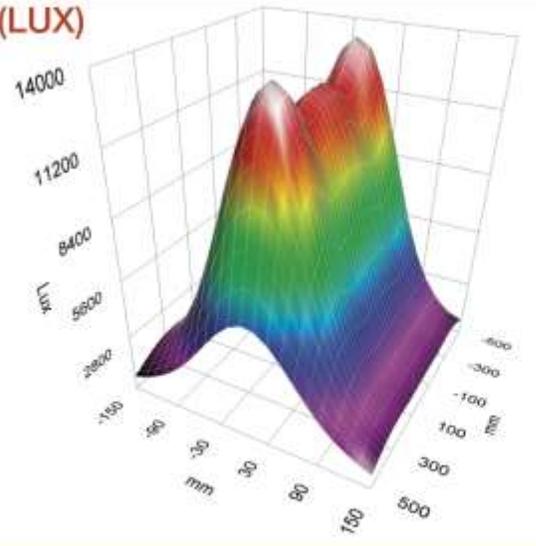
LS-SCU

Strobe Control Unit

- Provides a programmable frequency output to control Xenon and LED stroboscopes.



Light Output (LUX) vs Distance



LED Strobe Models Comparison

Model	LEDs	Array Size	Brightness (Lux)	Mounting Bracket
 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	14,000 Lux	948mm (37.3 inch)



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