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LED Lightsource

LS-9-LED
120 Super-Bright LEDs
(arranged in a 15 x 8 array)

LS-9-LED-WB
120 Super-Bright LEDs
(arranged in 3 clusters of 40 LED's,
each cluster in a 5 x 8 array)

Frequency Range

0 to 120,000 FPM
(flashes per minute)

- Light intensity of 7,500 Lux.
- LEDs provide lifetime use and never require replacement.
- Extremely bright and uniform light distribution for web widths up to 20" (500mm) and wider.
- For web widths greater than 20" (500mm), two or more strobes can be connected in parallel.
- Powered by 24 VDC (1.5A peak). An optional universal AC-DC power supply is available.
- Connections include two trigger inputs and one trigger output. Power can be connected in either of these three locations.

LED Fixed-Mount Linear Stroboscopes

Model LS-9-LED

Model LS-9-LED-WB

High-performance LEDs produce a bright/sharp image and uniform light distribution for web widths up to 20" (500mm) and wider.

High Light Output: 120 high-performance LEDs provide powerful light intensity. The large, homogenous illumination surface delivers superb results in difficult light conditions, making the LS-9-LED suitable for a wide range of measurement, observation and inspection functions, especially for demanding applications, such as those in the printing industry.

Superb image sharpness: Adjustable flash duration from 1 to 1000 μ seconds, allows you to easily find the best combination between light intensity and sharp images for every application.

Flexible adjustments for all applications: Alternatively, the stroboscope can be controlled directly by the trigger signal of your system without the need for additional control units or by various strobe control devices. When using these trigger options simultaneously, you can easily alternate between the signal inputs.



LS-9-LED

LS-9-LED-WB

Wide-Body Housing Configuration

The LS-9-LED-WB is packaged in a 440mm width housing (17.3 inches) that provides a more aesthetically-pleasing solution when the strobe is fixed-mounted on a machine frame that is 18 inches or wider (460mm+).

The 120 LEDs are spread in three "clusters" each containing 40 LEDs, arranged in a 5 x 8 array. Each cluster's position is optimized to provide optimal light uniformity over the entire illumination area with the same effective brightness as the standard LS-9-LED (7500 Lux, peak). Popular with OEM Machine Manufacturers of Slitter/Rewinders and similar machines, the LS-9-LED-WB is used in the label and printing industries.



Additional control options:

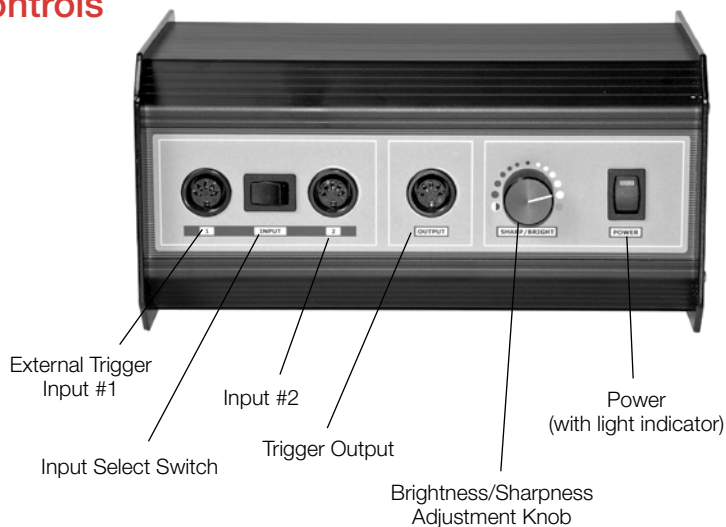
LS-5-FCM: A simple and inexpensive unit for controlling flash frequency. You simply insert this small control unit into one of the sockets on the reverse side of the device.

LS-5-RCU: 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.

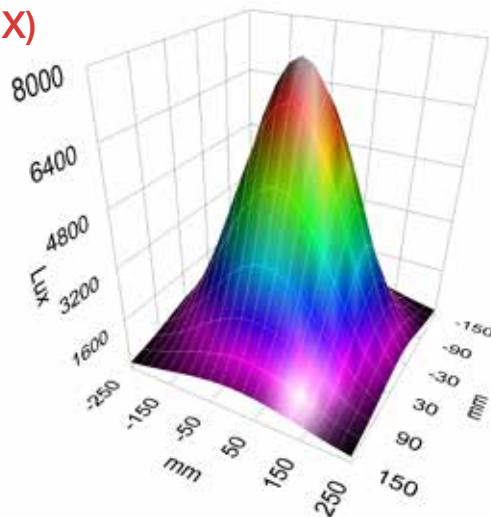
LS-9-LED Specifications

LEDs	120 in a 15 x 8 array	Illumination Intensity	7,500 Lux / 12" / 30cm
Frequency range	0 to 120,000 FPM (flashes per minute)	Illumination area	12 x 20" (30 x 50cm)
Power supply	24 VDC (± 10%) / 20 W, DIN 41525 5-pin standard plug, universal power supply available	Flash color	5000 to 8,300 K (approx.)
External trigger input	3 to 30 V / max. 5 mA, potential-free optocoupler, DIN 41524 5-pin standard plug, U _{out} = U _{in} , max. 200 mA, switchable trigger input	Material	Aluminum with glass lens
Light intensity/ sharpness	Adjustable with turning knob	Dimensions	9.1" x 5.1" x 4.4" (230 x 130 x 112mm)
Illumination intensity single flash	1 Mega-Lux / 12" / 30cm	Weight	3 lbs. (1.4 kg)
		Ambient temp.	32 to 114 °F (0 to 40°C)
		Storage temp.	-10 to 125 °F (-25...70°C)
		Humidity	Max. 95% not condensing
		Certifications	CE conformity

Controls



Light Output (LUX) vs Distance



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.



LED Strobe Models Comparison

Model	LEDs	Array Size	Brightness (peak)	Housing Width
 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)



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