LED Fixed-Mount Linear Stroboscope
Model LS-5-LED

LED Lightsource

80 Super-Bright LEDs
(*arranged in a 10 x 8 array*)

Frequency Range

0 to 120,000 FPM
(*flashes per minute*)

- Light intensity of 6,000 Lux.
- LEDs provide lifetime use and never require replacement.
- Extremely bright and uniform light distribution for web widths up to 12" (*300mm*) and wider.
- For web widths greater than 12" (*300mm*), 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.

High-performance LEDs produce a bright/sharp image and uniform light distribution for web widths up to 12" (*300mm*) and wider.

High Llight Output: 80 high-performance LEDs provide powerful light intensity. The large, homogenous illumination surface delivers superb results in difficult light conditions, making the LS-5-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-5-LED

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.
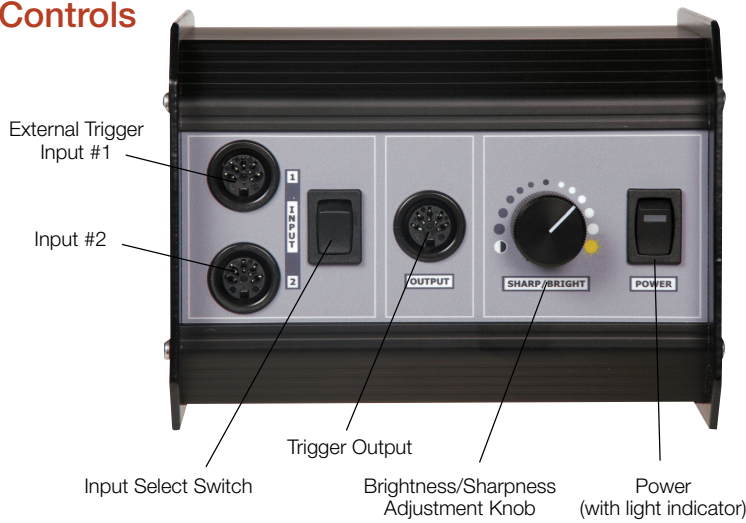
LS-5-RCU: For adjusting the flash frequency, phase shift, delay time and trigger divider. This unit is connected to the stroboscope by cable and provides the convenience of remote control even if the stroboscope within your machine is difficult to access.

The LS-5-LED is ideal for demanding applications, such as those found in the printing industry, including rewinders, slitters, label printers and more.
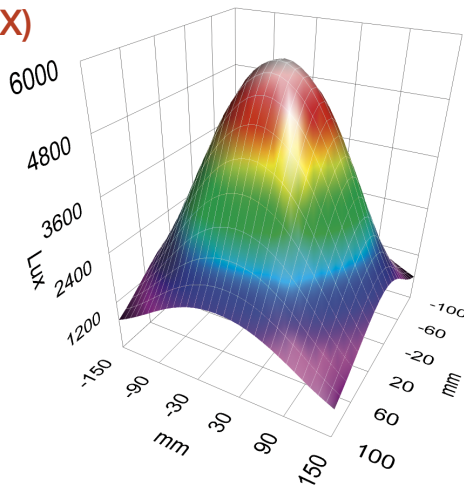
LS-5-LED Specifications

LEDs	80 in a 10 x 8 array	**Illumination Intensity**	6,000 Lux / 12" / *30cm*
Frequency range	0 to120,000 FPM (flashes per minute)	**Illumination area**	8 x 12" (*20 x 30 cm*)
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.)
		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**	6.0" x 5.1" x 4.4" (*150 x 130 x 112mm*)
		Weight	2.09 lbs. (*950 g*)
Light intensity/ sharpness	Adjustable with turning knob	**Ambient temp.**	32 to 114 °F (*0 to 40 °C*)
		Storage temp.	–10 to 125 °F (*–25...70 °C*)
Illumination intensity single flash	0.7 Mega-Lux / 12" / *30cm*	**Humidity**	Max. 95% not condensing
		Certifications	CE conformity

Controls

External Trigger Input #1

Input #2

Input Select Switch

Trigger Output

Brightness/Sharpness Adjustment Knob

Power (with light indicator)

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)