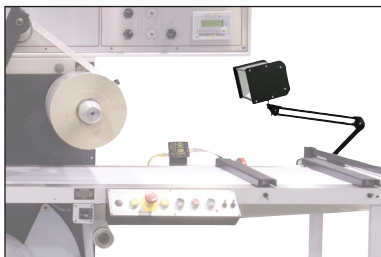


# Xenon Fixed-Mount Linear Stroboscope

## LS-9-12000

### Features

- Unmatched image brightness of 2500 Lux along with best sharpness and light uniformity from any strobe in its class.
- Uses long-life Quartz Glass Xenon linear tube with lifetime of over 200 million flashes.
- Extremely short flash duration of less than 10 microseconds ( $\mu$ s) provides for a super-sharp image for easy observation.
- Can be powered using 24V DC already available on the machine or optional AC-DC power adapter.
- Externally triggered using industry standard TTL-type square-wave signal at rates up to 208Hz and higher.
- 9 inch wide (230 mm) aluminum enclosure efficiently dissipates heat eliminating need for bulky heat sinks.
- Two or more LS-9 Strobes can be connected for wider web coverage.
- CE-certified with safety and EMV approvals suitable for use worldwide.
- Threading holes provided for fixed-mounting on machine frame or articulating arm.
- Adjustable light intensity 30-100% to optimize brightness for any application.



*Its bright, sharp, uniform light output make the LS-9-12000 an excellent choice for fixed-mount applications.*

An extremely short flash duration of less than 10 $\mu$ s and bright, uniform light output allow detailed visual inspection of fast-moving targets.



Choose the new Checkline LS-9-12000 Linear Strobe for fixed mounting on all machinery that utilize a strobe for visual inspection including, rewinders, slitters and similar process equipment in the label printing and process market as well as many others markets including vibration analyzers, balancers, metal producing equipment and much more.

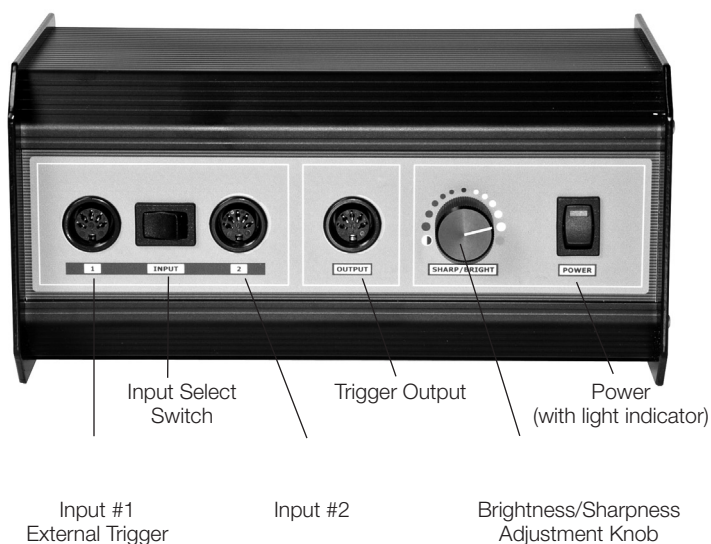
The LS-9's flash rate can be triggered by an external sensor/controller on the process machine or the following optional accessories: LS-FCM Flash Control Module, LS-SCU Remote Strobe Controller. The strobe operates using 24V DC (18 – 28V DC) power already available on the machine or by using the our world-wide AC-DC power adapter, available as an option.

The LS-9 produces an extremely bright, sharp image. Its quartz glass xenon tube has a flash duration of less than 10 $\mu$ s allowing detailed visual inspection of fast-moving targets. When the flash rate is synchronized with the "repeat rate" of the web material, the image appears "frozen" allowing convenient inspection.

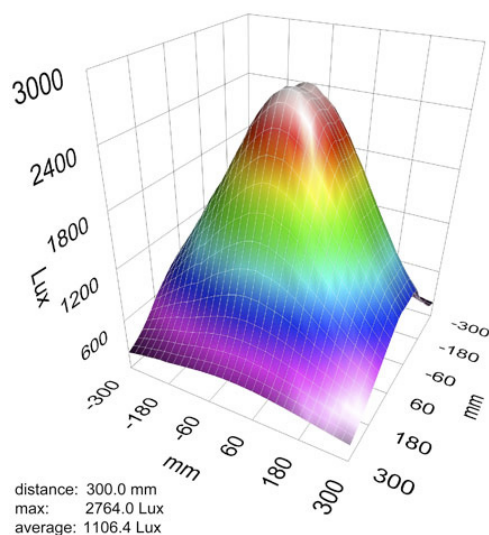
The LS-9-12000 is especially well-suited for use on narrow web equipment up to 24 inches (600mm) in width. When wider web widths must be covered, two or more strobes can be combined in a Master/Slave arrangement.

<b>Flash Range</b>	0 - 12,500 FPM (flashes per minute)	<b>Brightness Adjustment</b>	30 to 100% via knob on backside panel (to optimize brightness for each application)
<b>Power Supply</b>	18 - 28 V DC / 40 Watts DIN 41525 5-pin standard plug Universal power supply unit available	<b>Illumination Area</b>	Approx. 12" x 20" (300 x 500mm)
<b>External Trigger Input</b>	3 - 30 V / max 5 mA (voltage-free optocoupler) DIN 41524 5-pin standard plug U <sub>out</sub> = U <sub>in</sub> , max 200 mA	<b>Light Color</b>	6000 to 6500 K
<b>Life Cycle</b>	> 200,000,000 flashes (@6000 FPM)	<b>Housing Material</b>	Aluminum
<b>Flash Duration</b>	< 10 µsec (microseconds)	<b>Dimensions</b>	9.1" x 5.1" x 4.4" (230 x 130 x 112mm)
<b>Flash Brightness</b>	Single flash 20 megalux @ 12 inches (30cm)	<b>Weight</b>	3 lbs. (1400 g)
<b>Flash Brightness</b>	2500 lux @ 12 inches (30cm), 6000 FPM	<b>Ambient Temp.</b>	32 to 114 °F (0 to 40 °C)
<b>Flash Energy</b>	2 Joules (2000 mJ @ 900 FPM)	<b>Storage Temp.</b>	-10 to 125 °F (-25 to 70 °C)
		<b>Air Humidity</b>	Max 95%, non-condensing
		<b>Mounting Holes</b>	Threaded 1/4 x 20 unc and 2x M5 holes on the bottom side of the strobe housing

## 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 Module

- Provides a programmable frequency output to control Xenon and LED strobes