



LSSC/115 with optional ROS-5LS



X-400 Fiber Optic Stroboscope with optional fiber optic bundle and ring light

Monarch provides a wide range of self-contained and fiber optic strobe systems for permanently mounted applications. Self-contained strobes are well suited for intermittent or continuous general purpose strobe lighting applications. All models can be remotely triggered, and the DA Plus SC and LSSC also provide a trigger out to 'daisy chain' strobes or synchronize remote equipment.

Machine Strobe systems are used in precision strobe lighting applications requiring controlled light patterns. Parabolic and Linear designs are available for area lighting and a fiber optic head accommodates precise spot lighting.

Self-Contained Models

DA Plus SC - Internally adjustable flash rate of 30 to 14,000 FPM, 15 watts, integral digital display, 1/8" (3.5 mm) input/output phone jacks, tripod mounting bushing, 115Vac or 230Vac. Weight: 1.5 Lbs (0.72 kg)
Size: Body - 9" x 3.66" x 3.56" (229 x 93 x 90 mm); Reflector Housing - 4.8" (122 mm) diameter.



DA Plus SC 115

LSSC - Externally adjustable flash rate of 1 to 10,000 FPM, 20 watts, input connector, steel enclosure and mounting bracket, 115Vac or 230Vac. Weight: 2.6 Lbs. (1.25 kg)
Size: 4.6" x 5" x 3.35" (117 x 127 x 85 mm)



LSSC/115 and optional ROS-5LS

X-Series Fiber Optic Strobes- High powered Machine vision models triggered externally from 1 to 8,100 FPM. 43 watts of bright Xenon light, integrated universal power supplies in an all steel housing. Contact factory for fiber optic light guide recommendations.

Specifications	X-1200	X-400	LSSC	DA PLUS SC
Maximum flash rate per minute	2,700	8,100	10,000	14,000
Input energy per flash	1.0 - 2.2 Joules	0.3 - 0.7 Joules	220 mJoules	180 mJoules
Light output flash duration	8 - 10 µsec	2 - 10 µsec	35 µsec	30 µsec
Radiometric light output	225 mJoules	90 mJoules	unknown	unknown
Flash Lamp Life	> 10 ⁸ flashes	> 2 x 10 ⁸ flashes	> 10 ⁸ flashes	
Input voltage	100 - 240 Vac (± 10 %), 50 - 60 Hz		115 or 230 Vac	
Maximum output power	43 W	43W	18 W	15W
External trigger input	+5 V TTL pulse, 20 mA, 10-100 µsec		±1.5 to 24V TTL max. pulse	
Environmental Specifications				
Operating temperature	32 to 104° F (0 to +40°C)		41 to 104°F (5 to 40°C)	
Mechanical				
Size L x W x H	8.5 x 6.8 x 5.44"		5.15 x 3.6 x 4.4"	9 x 3.66 x 3.56"
Weight	4.6 lb (2.09 kg)		2.5 lb (1.13 kg)	1.5 lb (0.72 kg)
Replacement Lamp	MVS-9000		L-1920M	L-1903


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