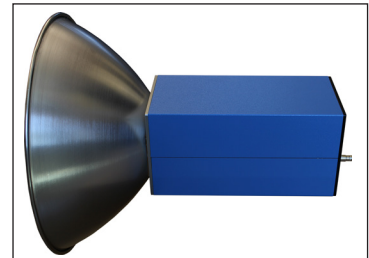


CORDIN

SCIENTIFIC IMAGING

HIGH VOLTAGE XENON FLASH

Model 607



- Very high intensity xenon flash output
- Square pulse illumination
- Variable intensity
- Single pulse mode
- NEW - Redesigned for 2019



The **Cordin Model 607** High Voltage Xenon Flash is a powerful light source for use in recording high speed events. The light output of the Model 607 is essentially constant for the majority of the pulse duration, enabling high speed records to be captured with uniform illumination.

The Model 607 offers very high light output. The power during the pulse is approximately five million watts, and surface brightness is many orders of magnitude greater than sunlight.

The flash is triggered with a rising edge +5V trigger, which can be supplied from a Cordin camera Aux output, from a Cordin time delay generator, or any other compatible device.

The Model 607 has a pulse width of approximately 300 μ s with an approximately 150 μ s rise time at the full 6KV charge level. Rise times for lower charge levels are longer, up to a maximum of 250 μ s.

Redesigned with all-new circuitry and 16 inch reflector head for 2019, the Model 607 now offers even more power and significantly higher brightness than previous generations.

OPTIONS

Alternative size & shape reflectors (inquire for details)

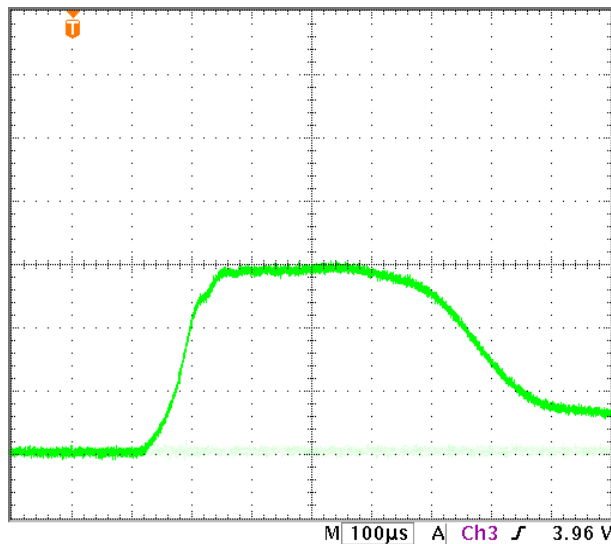
10 meter cable (3m length std.)

Low-cost single-use disposable head for use in damaging environments

CORDIN

SCIENTIFIC IMAGING

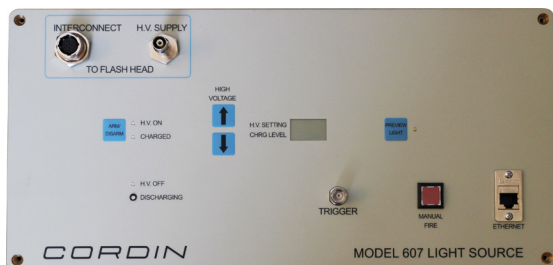
Horizontal axis: 100 μ s per division
 Green trace: Output in ft-lamberts @ 6 feet;
 10M ft-lamberts per vertical division
 Operation at 6KV maximum setting



Model 607 light output - intensity over time

SPECIFICATIONS

Flash Tube	Toroidal xenon	Operating Voltage	4.7 KV to 6.0 KV
Color Temperature	5300K (approx.)	Stored Energy	4K Joules
Light Pulse Width	300 μ s (within 80% of peak brightness)	Power Input	110-240 VAC 50-60Hz, 500 Watts (max)
Light Pulse Power	6 Million Watts	Cable Length	3 meter (std) / 10 meter (optional)
Flash Response Time	230 μ s (trigger to 90%)	Base Unit Size	56 x 54 x 62 cm (22.0 x 21.3 x 24.3 inches) (108 x 54 x 62 cm w/ head storage case lid)
Intensity	100M Lux @ 2 meter distance (30M ft-lamberts @ 6 feet)	Base Unit Weight	89 Kg (195 lbs.)
Trigger Input	+3.3V to +25V	Flash Head Size	20.3 x 15.6 x 25.9 cm (8.0 x 6.2 x 10.2 inches) (W x H x D, Not including bulb or reflector)
		Flash Head Weight	5.7 Kg (12.5 lbs.)
		Remote Control	Windows GUI via Ethernet interface



Model 607 Front Panel



Model 607 Flash Head
Rear Panel