

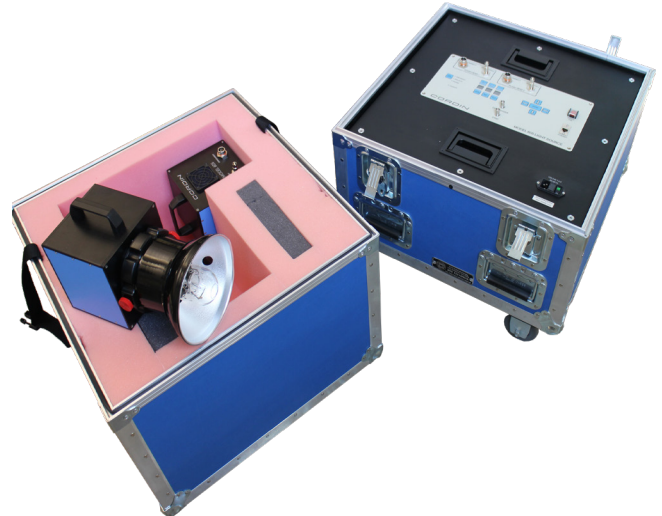
CORDIN

SCIENTIFIC IMAGING

SQUARE PULSE LIGHT SOURCE

Model 605

- High intensity xenon flash output
- Square pulse illumination
- Variable pulse duration
- Variable intensity
- Supports 1 or 2 flash heads
- Halogen preview light



The **Cordin Model 605** is a high intensity xenon light source that is designed to give even intensity output during the full pulse duration. This is useful for high speed imaging as constant exposure can be maintained throughout the record. Conventional xenon strobe units will follow a modified R-C intensity curve with a relatively gradual rise and decay. The 605 is designed to have a rapid rise, maintain intensity across the pulse duration, and then have a rapid decay.

The Model 605 can be used with a single flash head or dual flash heads. A variety of reflectors is available, with a 7 inch diameter parabolic reflector being standard.

The intensity of the flash output is also variable by selecting the charge voltage. This means illumination can be attenuated without changing the lighting set-up.

As with the even more powerful 606 and 607 light sources, the Model 605 comes packaged in a rugged integrated transportable case with wheels for ease of storage and deployment.

OPTIONS

Second flash head

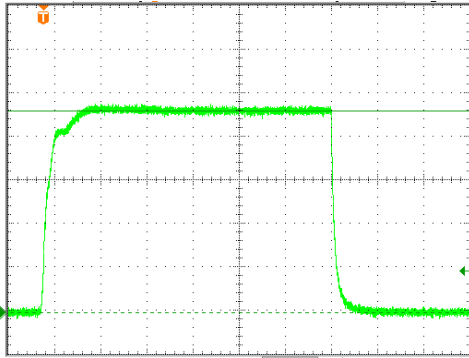
Elliptical or large diameter reflectors

Ring lamp option

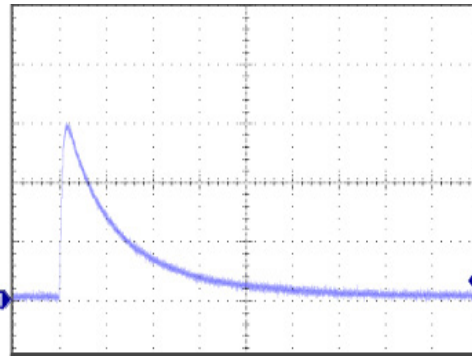
Low-cost single-use disposable head for use in damaging environments

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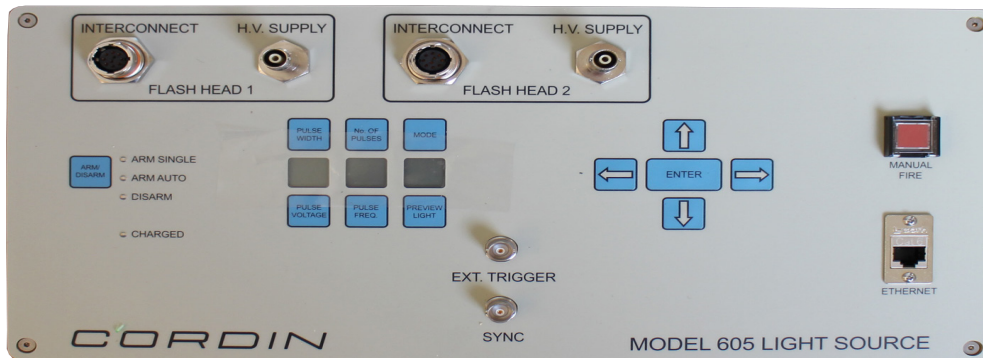
Model 605 pulse output - intensity over time



Typical xenon flash pulse output - intensity over time

SPECIFICATIONS

Flash Tube	Toroidal xenon	Response Time	60 μ s
Color Temperature	5300° K	Stored Energy	2100 joules at +900 V charge
Light Pulse Width	500 μ s to 19.99 milliseconds	Power Input	110-240 VAC 50-60Hz, 500 Watts (max)
Flash Rise Time	200 μ s	Weight	64 Kg (141 lbs)
Intensity	8M lux @ 1m (single head) (2.3M ft-lambert @ 3 ft)	Dimensions:	
Operating Voltage	600 V to 900 V	(Base Unit)	60 cm (L) x 60 cm (W) x 42 cm (H)
Preview Light	60/150 W Halogen	(Flash Head)	30.5 cm (L) x 15.25 cm (W) x 19 cm (H)
Trigger Input	+3.3V to +6V	(Overall)	60 cm (L) x 60 cm (W) x 80 cm (H)
		Cable Length	3 meter std, 10 m optional
		Remote Operation	Windows 10 GUI via Ethernet connection



Model 605 control panel