

# CORDIN

## SCIENTIFIC IMAGING

### SQUARE PULSE LIGHT SOURCE

#### Model 605

- High intensity xenon flash output
- Square pulse illumination
- Variable pulse duration
- Variable intensity
- Single pulse or repetitive modes



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 12 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.

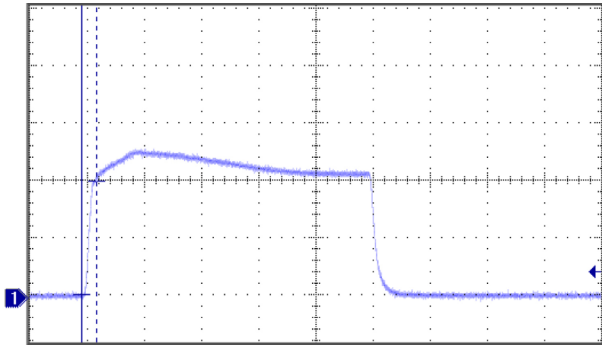
The Model 605 can also be operated in a repetitive mode, where short flash pulses are generated based either on a user defined frequency, or synched to an external pulse.

#### OPTIONS

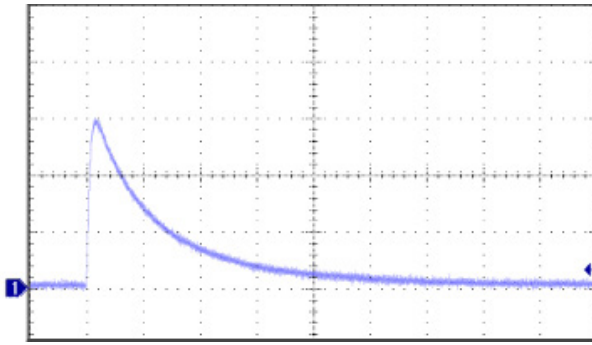
**Elliptical or small diameter reflectors**

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Model 605 pulse output - intensity over time



Typical xenon flash pulse output - intensity over time

### SPECIFICATIONS

<b>Flash Tube</b>	Toroidal xenon	<b>Trigger Input</b>	+5V
<b>Color Temperature</b>	5300° K	<b>Response Time</b>	less than 30 $\mu$ s
<b>Light Pulse Width</b>	100 $\mu$ s to 19.99 milliseconds	<b>Stored Energy</b>	1460 joules at +900 V charge
<b>Flash Rise Time</b>	80 $\mu$ s	<b>Power Input</b>	110-240 VAC 50-60Hz, 25 Watts
<b>Intensity</b>	5.3 x 10 <sup>6</sup> candella (single head) 7.7 x 10 <sup>6</sup> candella (dual heads)	<b>Weight</b>	13 kg (29 lbs.)

