

Square pulse light source Model 605 (New)



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.

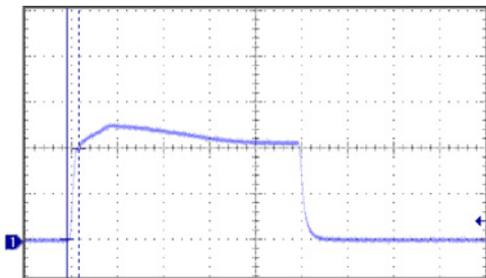
The intensity of the flash output is also variable by selecting the charge voltage. This means illumination can be attenuated without changing the lighting set-up. The Model 605 can also be operated in a repetitive mode, where short flash pulses are generated based either on a user defined frequency, or synced to an external pulse.

Features

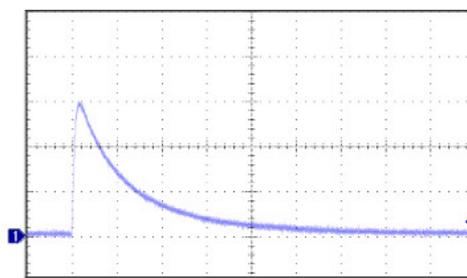
- High intensity xenon flash output
- Square pulse illumination
- Variable pulse duration
- Variable intensity
- Single pulse or repetitive modes

Options

- Elliptical or small diameter reflectors
- Point light source option with small bulb and elliptical reflector
- Ring lamp option
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Model 605 pulse output - intensity over time



Typical xenon flash pulse output - intensity over time

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Specifications	
Flash tube	Torroidal xenon
Color temperature	5300 °K
Light pulse width	100 μ s to 19.99 milliseconds
Flash rise time	80 μ s
Intensity	5.3 x 10 ⁶ candela (single head)
	7.7 x 10 ⁶ candela (dual heads)
Trigger input	+5 V
Response time	less than 30 μ s
Stored energy	1460 joules at +900 V charge
Power input	110-240 VAC, 50-60 Hz, 25 Watts
Weight	13 kg (29 lbs.)

