



BIG SHOT & UNI SHOT LIGHTING SYSTEMS

Provide triggered stroboscopic illumination to enable camera image capture of moving objects

The BIG SHOT family of stroboscopes allows thrill ride operators to consistently capture sharp photos to generate revenue at the concession stand. All models focus on the target with powerful illumination, fired with extremely reliable timing.

Multiple, single-shot studio strobes converted to high speed ride applications historically have lost revenue from burning out 2-4 times each season.

Durable, reliable and efficient illumination results in increased revenue for the thrill ride photography vendor.



SEVERAL MODELS AVAILABLE

Big Shot 8X125: Full power 8 shots max.

Uni Shot: Double power 1 shot max.

Big Shot 8X250: Double power 8 shots max.

Big Shot 16X125: Full power 16 shots max.

Big Shot 16X250: Double power 16 shots max.

ADVANTAGES



- Increase sharpness with reliable timing
- Built to last in outdoor environmental conditions
- Fast enough for 90+ MPH roller coasters
- Reduces lost shots from lamp failure
- Minimizes need for iris adjustments
- Lamp life up to 5 seasons
- Plug & play installation

APPLICATIONS

- High speed roller coasters
- Wild Mouse & Spinning coaster
- Kiddie Coasters
- Log Flume
- Drop Towers
- People Movers
- Scene Photography
- many more



SPECIFICATIONS

Technical Data		
Power Input	90 ~ 240 VAC 50/60Hz 300 VA max. during burst mode flashing @ 8 or 16 flashes/s 30 VA max. during idle time.	110 ~ 240 VAC 50/60Hz 3000 VA max. during charging 30 VA max. during idle time.
Trigger (external)	Pulse Source: +4.0 V zero based pulse pk min / 15 V pk max, ≥ 100 μs pulse width or contact closure.	
Max Trigger Rate	Models 8X125 and 8x250: Flashes can be as close as 33 ms apart. Models 16X125 and 16X250: 16 flashes every 45 s. Flashes can be as close as 33 ms apart.	Once every three seconds.
Trigger Delay	500 μs from trigger to full light output	250 μs from trigger to full light output
Minimum Cycle Time	12 s for model 8X125 24 s for model 16X125 or 8X250 48 s for model 16X250	3 s
Energy Output	Models 8X125 and 16X125: 125 J per flash Models 8X250 and 16X250: 250 J per flash	250 J per flash
Lamp Output	Models 8X125 and 16X125: F/8.5 @ ISO100 1/120 s @ 15 ft. Models 8X250 and 16X250: F/11.3 @ ISO100 1/120 s @ 15 ft.	100 Lux (9.3 foot-candle) @ 2.4m (8 ft.)
Flash Duration	100 μs (measured @ 1/3 peak)	
Physical L x W x H Weight	406 x 417 x 532 mm 17.1 kg	410 x 233 x 369 8.1 kg
Environmental	Continuous operating temperature range: 0-50°C	

Each model is a self contained lighting system requiring only AC power and a trigger signal to operate


The Power To See

Specifications subject to change without notice.
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