



## LED Array Highlights



### Light it Up!

The brightest, high-intensity LED arrays with low power consumption



### Cool White/Red LEDs

LEDs available in cool white for color & red for monochrome imaging



### Value Added

Cool illumination, long life, universal AC power, low EMI & RFI with no UV radiation

# Light it up with high-Intensity LED arrays & controllers designed for high-speed imaging

**High-speed digital cameras** require extremely high light levels for microsecond and nanosecond shutter speeds. We've designed our LED arrays and controllers to meet the demanding needs of weapons field/flight testing for the US military, R&D laboratory testing and DIC (digital image correlation).

VIC LED arrays are available with cool white light LEDs for color and red LEDs for monochrome imaging.

## **Benefits Include...**

- High light output with low power consumption
  - Cool illumination with virtually no heat in the light beam
  - Continuous light & stroboscopic rates up to 50,000 Hz
  - Modeling light for camera set-up
  - Long Life (more than 25,000 hours)
  - Extremely low EMI & RFI
  - No UV radiation
  - Universal AC powered input controllers
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# VIC 24 LED Ring Light Array

Model 200845

Tech Specs	
LEDs	24 white, high-intensity LEDs with interchangeable lens/collimators (8, 14 & 25)
Luminous Output	12,000 lm
Size	Ø 6.56 x 2.25" L (16.66 x 5.72 cm)
Weight	3 lb (1.36 kg)
Mounting	adjustable camera bracket with multiple 1/4"-20 taps
Current Draw	4.0 A

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## VIC 4x6 LED Array (large)

Model 900410

Tech Specs	
<b>LEDs</b>	24 white, high-intensity LEDs with interchangeable lens/collimators (8, 14 & 25)
<b>Luminous Output</b>	12,000 lm
<b>Size (WHD)</b>	8 x 5.5 x 2.25" (20.3 x 14 x 5.72 cm)
<b>Weight</b>	3 lb (1.36 kg)
<b>Mounting</b>	1/4"-20 taps (3 top/bottom, 1 per side)
<b>Current Draw</b>	4.0 A



## VIC 4x6 LED Array (small)

Model 900445

Tech Specs	
LEDs	24 white, high-intensity LEDs with interchangeable lens/collimators (8, 14 & 25)
Luminous Output	12,000 lm
Size (WHD)	6 x 4.5 x 2.1" (15.2 x 11.4 x 5.33 cm)
Weight	2.2 lb (.99 kg)
Mounting	1/4"-20 taps (3 top/bottom, 1 per side)
Current Draw	4.0 A



## VIC 3 LED Array

Model 900420

Tech Specs	
LEDs	3 white, high-intensity LEDs with interchangeable lens/collimators
Luminous Output	750 lm, 5,000 fc at 24" (53,800 lux with 8° lens)
Size	Ø 2.5 x 3.15 H (w/base) x 1.95" L (6.35 x 8 x 4.95 cm)
Weight	6 oz (170 g)
Mounting	two 6-32 taps on removable base & one 1/4"-20 tap
Current Draw	1.0 A



## VIC Single Ultra-Bright LED Module

Model 900170

Tech Specs	
LEDs	1 white, Ultra-Bright LED with 17° FWHM lens
Luminous Output	2,000 lm, 20,000 fc at 12" (215,278 lux), 10,250 fc at 18" (110,330 lux), 6,040 fc at 24" (65,014 lux)
Size	Ø 2.5 x 3.25 H (w/base) x 4" L (6.35 x 8.25 x 10.16 cm)
Weight	6.5 oz (184.27 g)
Mounting	two 6-32 taps on removable base & one

	1/4"-20 tap
Current Draw	7.5 A



VIC Video Strobe/Flood Controller



VIC Video Flood Controller



# VIC Strobe & Flood Controllers

**Strobe/Flood Controller Model 000000**

**Flood Controller Model 000000**

Strobe and flood controllers operate on AC or DC power with constant current LED driver circuits. AC controllers accept 100–240 VAC, 50/60 Hz power. Hi-g DC powered controllers operate on 28 VDC power, except single and 1x3 LED models which require 12 VDC power.

Tech Specs	
<b>Power (AC)</b>	100–240 VAC, 50/60 Hz
<b>Power (DC)</b>	Hi-g 28 VDC (single & 1x3 LED models, 12 VDC)
<b>Input</b>	optional remote capability
<b>Rates</b>	7 selectable rates of 1–500 microseconds/flash
<b>Strobe Modes</b>	2 flood light modes – 25% modeling & 100% maximum intensity
<b>Flood Modes</b>	4 selectable intensity levels – 25% modeling, 50% medium, 75% high, 100% maximum

Specializing in Precision Accessories for  
High-Speed Imaging Applications

Visual Instrumentation Corporation (VIC) is a world leader in

high-speed imaging technology. Our engineers and staff are ready to assist you with cost-effective, high-speed imaging solutions.



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Visit our [contact page](#) for more information or call us directly at 661-945-7999.

We're happy to talk shop anytime!