



NANOHMICS

FlashLED - 425K Lumen Flash Reusable Flashbulb Replacement

Modular Electronic LED unit replaces PF-300

- Stable brightness over an extended flash period
- No degradation after thousands of cycles
- Efficient target illumination using molded optics
- Stable color temperature over the flash period



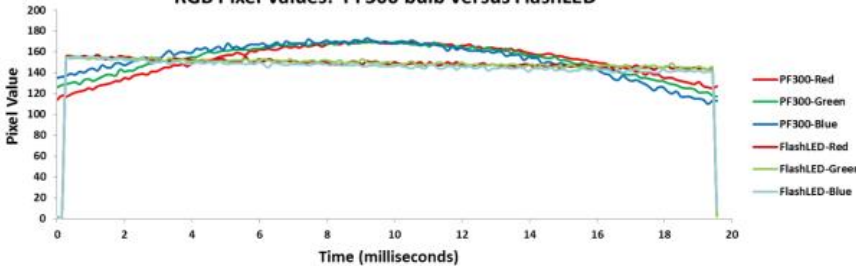
Battery-operated expeditionary package with 4 FlashLED units and battery power supply



Ultra-high brightness flash was originally developed for high-speed imaging of energetic military munitions. Applications include:

- High-speed camera lighting
- Flow experiments
- Long-range nighttime outdoor scene photography
- Tollway image capture

RGB Pixel Values: PF300 bulb versus FlashLED



SYSTEM OVERVIEW

Specification	Prototype Performance
Flash Duration	20 ms (customizable to 60 ms)
Flash Brightness	~425,000 lumens
Input Power	15 volts DC/6 amps
Trigger Signal	TTL/Customizable
Weight	7.1 lbs. (3.2 kg.)
Dimensions	8.0 x 6.1 x 4.1 inches (203x155x105 mm)
Cycle Degradation – 1000 flashes	None measurable
Environmental	IP66/-40 to 65 °C
Output FoV	20 degrees full angle

Stable, Repeatable High Brightness Flash

Increased light output improves image fidelity and increases high-speed video resolution

The Nanohmics FlashLED system provides the most stable flash lighting system for all your high-speed imaging and long-range nighttime photography needs.