

LED-PS: Pulsed LED illumination module

The OPTOLUTION LED-PS is a low-cost and easy to operate illumination solution for studies requiring pulsed and synchronized illumination.

Main Features:

- Designed for PIVlab, the free PIV toolbox in MATLAB
- Synchronizer for Panda and Pixelfly cameras (pco) or Chronos (Kron Technologies) built-in
- Wireless remote control
- High light intensity (4000 lm)
- Cost-effective and compact design (130x40x40 mm, 250 g)
- 4x3 Nichia LED array
- Wavelength: 520 ± 20 nm (green)
- Pulse length: $5 \mu\text{s} - 250$ ms
- Duty cycle: 0 – 50 %
- Double pulse repetition rate: 1 Hz – 17 kHz
- Min. interframe time: 10 μs
- Optical rail and Manfrotto tripod mount included
- 100 - 240V AC power supply

