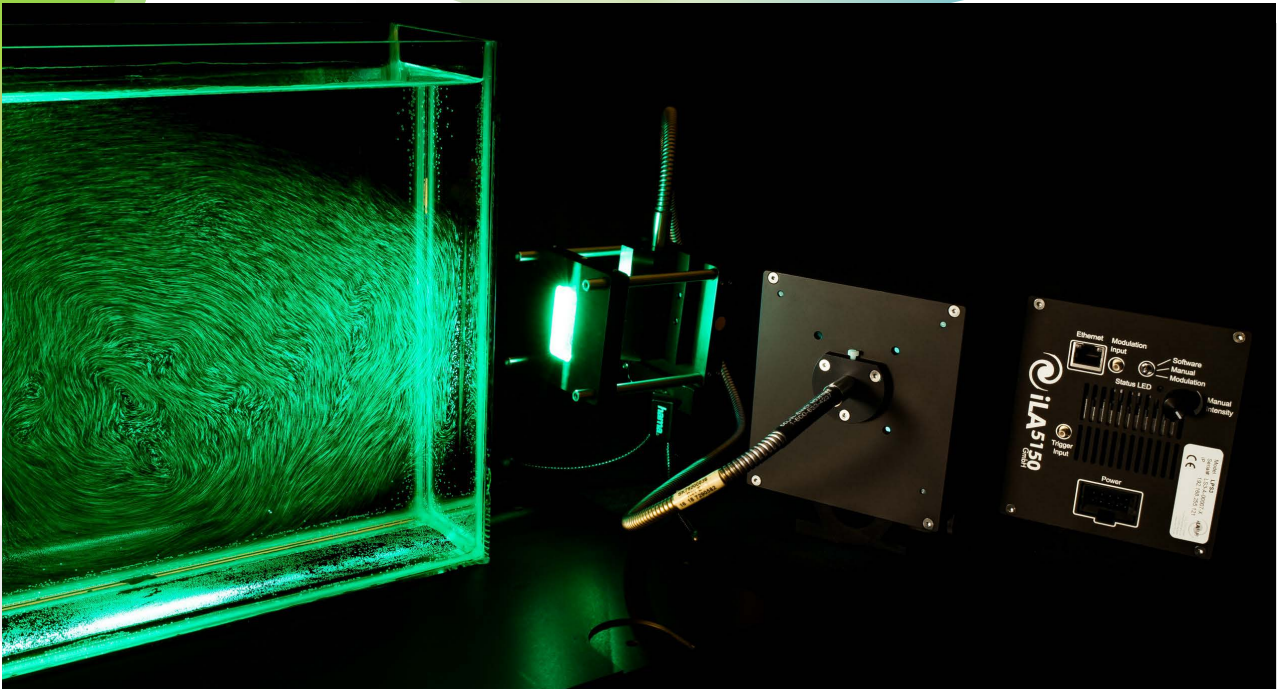


iLA.LPS v3



iLA_5150's LPS 3 is the latest successor of our beloved high power LED source. Unmatched flexibility is achieved through simplicity. Using a single TTL input, the light source follows any given sequence from CW up to 500 kHz. This makes it the ideal solution for highly accurate pulses required for PIV, μ PIV, PSP, BOS, Shadowgraphy, FLIM, etc. This safe high power light source is also the perfect fit for educational purposes.

- light in CW-mode or pulsed up to 500kHz
- pulses down to 1μ s with superior power stability
- short rise and fall times (<500 ns)
- accepts any TTL trigger in any sequence (i.e. for PSP)
- user-exchangeable LEDs (white, green, red, blue, UV..)
- small form factor for easy integration in any setup
- easy connectivity via ethernet
- Compatible to fiber optics and cage systems
- no laser safety issues
- can be used without computer

Data Sheet

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iLA 5150
GmbH

iLA.LPS v3

- Trigger Input:
 - Digital TTL Input
 - 0 V = LED off
 - +5V = LED on
- Modulation Input:
 - Analog Signal
 - 0 V = 0 Power
 - 5 V = max. Power
 - Linear Scaling
- Power Supply:
 - 300 W @ 230V
- Light output:
 - 7 W Radiometric flux in Constant Wave (CW) Mode
 - 7mJ /pulse @ 1kHz; 50/50 Duty cycle
 - Available Colors in white, UV, blue, green, red, far red.
- Operating Temperature:
 - -20°C to 90° C

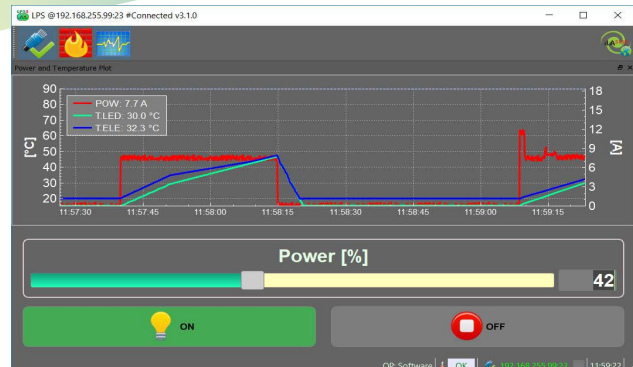


Figure 2: Clean and easy-to-use interface

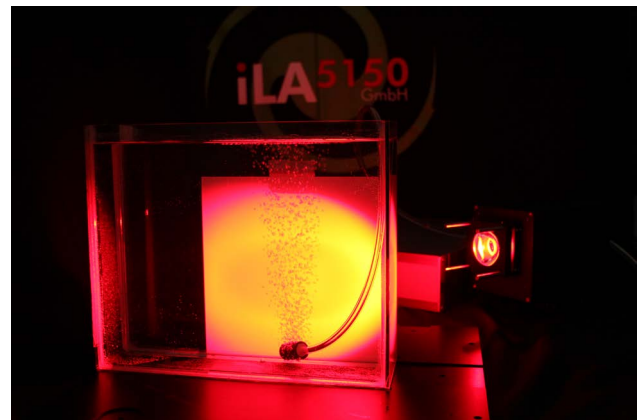
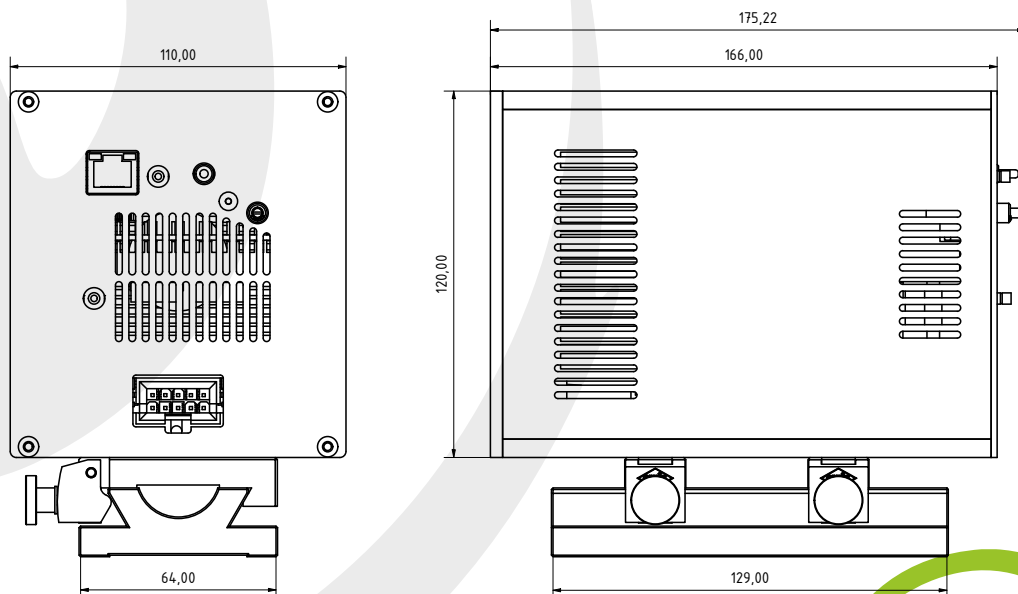


Figure 3: Shadowgraphy Setup @500Hz



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