

### UHP-Mic-LED with Fiber Coupler Adapter and Collimator: Output Beam Profile

#### **Fiber Coupled UHP-Mic-LED Output Beam Measurements Conditions**

The beam measurements were performed by connecting the UHP-Mic-LED with Fiber Coupler Adapter (FCA) to a polymer optical fiber (POF) of 1000um or 1500um core. The fiber distal end was connected to a Prizmatix Collimator. The collimator was placed at nominal distance of 300cm from a screen. The Nova II Ophir Power meter with PD300-UV head covered by custom made metal plate with a 3mm clear aperture was used to perform the power measurements. The spatial location on the screen was performed by a simple Tape Measure with cm scale.

#### **Fiber Coupled LED Output Beam Pictures**

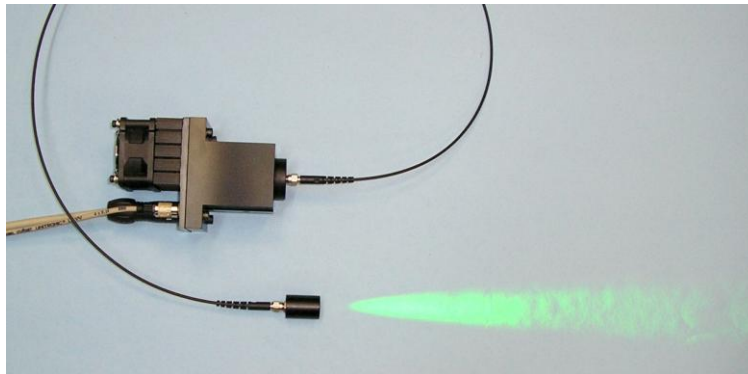


Fig. 1: UHP-Mic-LED-LED-520 with Fiber Coupler Adapter, 1500um POF fiber patch cord and Collimator

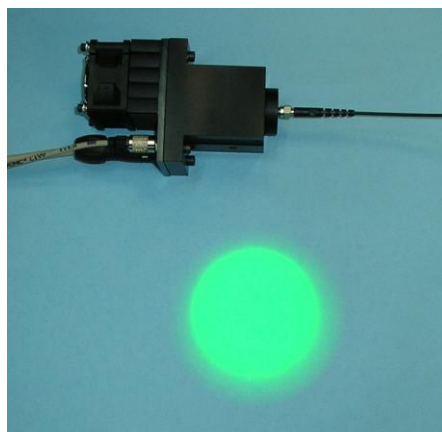


Fig. 2: Collimator output form UHP-Mic-LED-LED-520 with Fiber Coupler Adapter with 1500um fiber (Remark: the image does not represent well the actual beam profile. See beam profile measurements for real data.)

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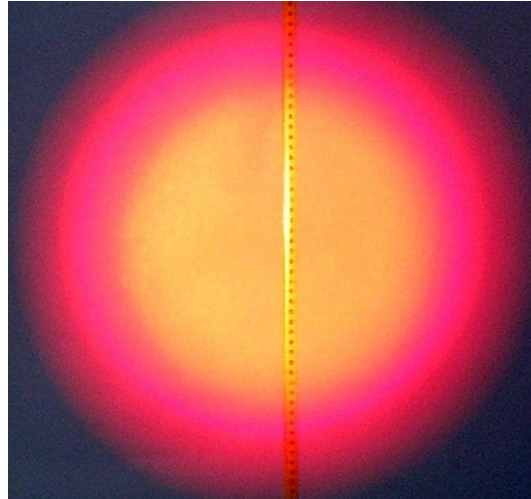


Fig. 3: Collimator output from UHP-Mic-LED-LED-630 with Fiber Coupler Adapter and 1000um fiber (Remark: the image does not represent well the actual beam profile. See beam profile measurements for real data)

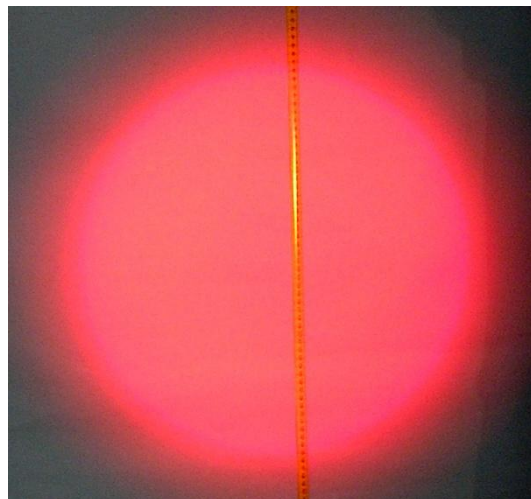


Fig. 4: Collimator output from UHP-Mic-LED-LED-630 with Fiber Coupler Adapter and 1500um fiber. (Remark: the image does not represent well the actual beam profile. See beam profile measurements for real data)

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### Fiber Coupled UHP-Mic-LED with Collimator – Beam Profile Measurements

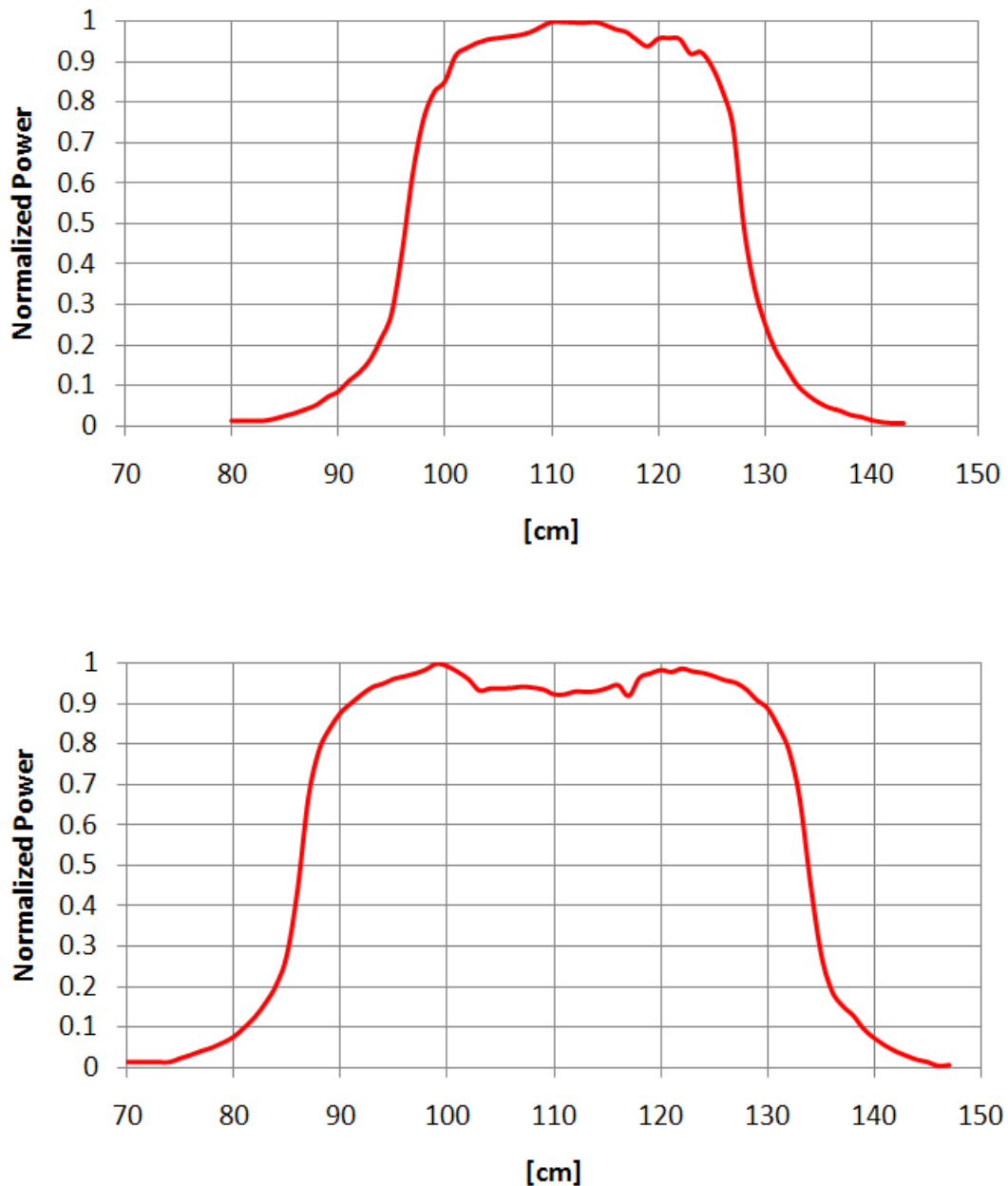


Fig. 5: Beam Profile of UHP-Mic-LED-630 with Fiber Coupler Adapter and Collimator assembled on distal end of 1000um fiber (upper) and 1500um fiber (lower).

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