

Supplementary Material

# White-Light GaN- $\mu$ LEDs Employing Green/Red Perovskite Quantum Dots as Color Converters for Visible Light Communication

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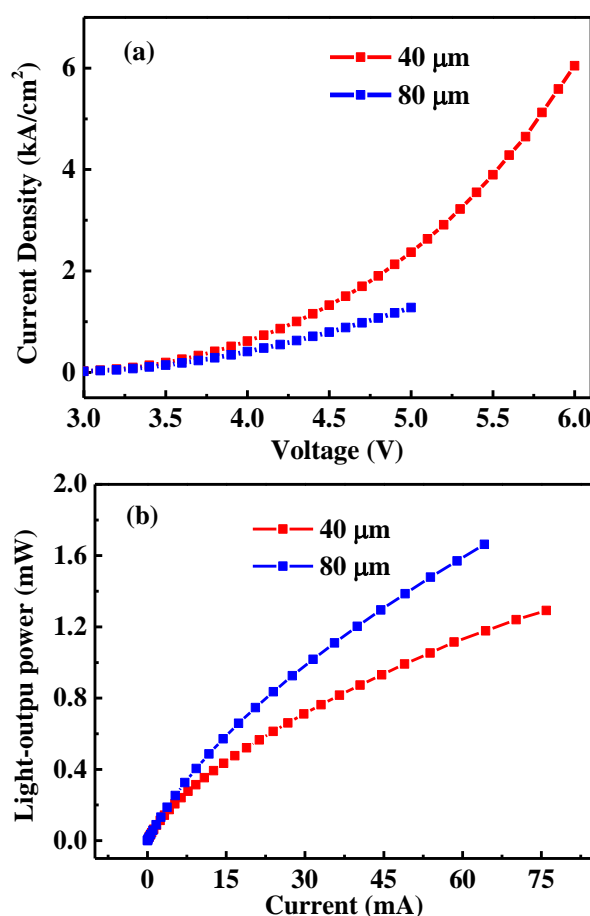
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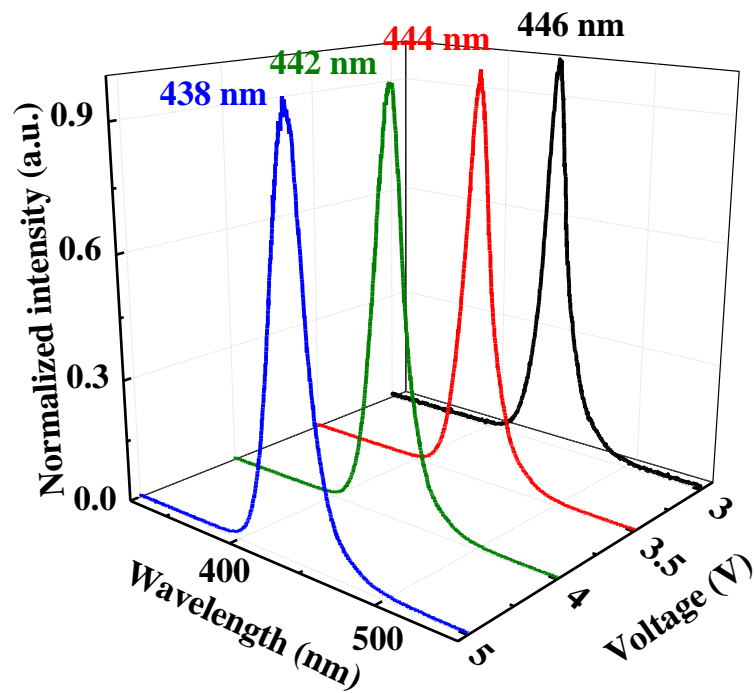
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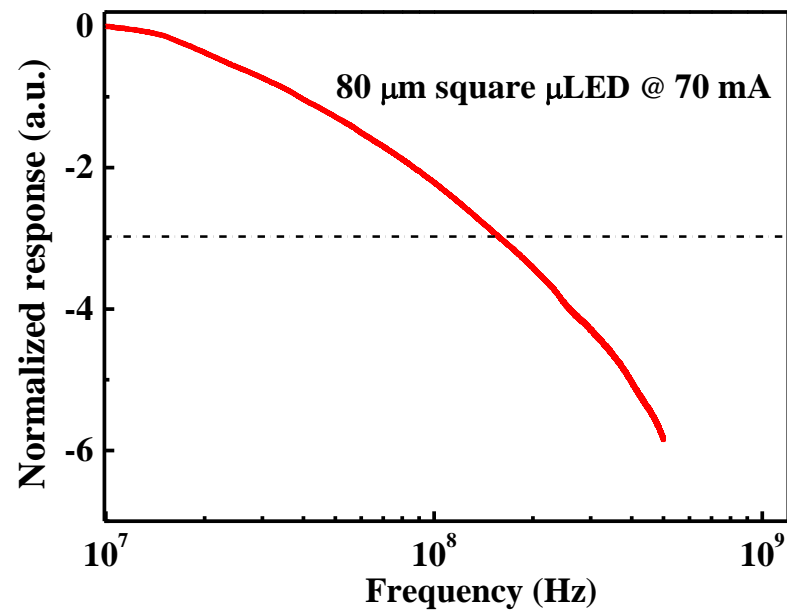
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**Figure S1.** (a) J–V and (b) L–I characteristics of the square InGaN- $\mu$ LEDs with different sizes.



**Figure S2.** The normalized EL spectra of the square  $\mu$ LED with a side length of 80  $\mu\text{m}$  under different applied voltages from 3 V to 5 V.



**Figure S3.** The normalized response of the square  $\mu$ LED with a side length of 80  $\mu\text{m}$  under a current of 70 mA. The dashed line is to label the -3 dB bandwidth.