Supporting Information of "Developed One-pot Synthesis of Dual-color

CdSe Quantum Dots for White Light-emitting Diode Application''

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Figure S1. X-ray diffraction patterns of the as-synthesized GR_x QDs.



Figure S2. UV-Vis absorption and FL spectra of GR_x QDs.



Figure S3. XPS spectra of (a) Cd and (b) Se 3d region of GR_x QDs.



Figure S4. XANES spectra of GRx QDs at Se K-edge.



Figure S5. The analysis of XANES spectra (solid line) of GRx QDs by using a set of an arctangent function (dots) and corresponding to the white line peak (dashed line).



Figure S6. Size distributions of GRx QDs before and after aging for 3000-hour aging.



Figure S7. The CRI values of GR_{1.5}- and GR_{0.75} QDs-based WLEDs.



Figure S8. The CIE coordination of $GR_{0.75}$ QDs-based WLEDs under long-term stability test with (a) 0, (b) 15, and (c) 30 wt. % of UV resin content.



Figure S9. The efficacies of $GR_{0.75}$ QDs-based WLEDs under long-term stability test with 0, 15, 30, and 45 wt. % of UV resin.



Figure S10. The EL spectra of $GR_{0.75}$ QDs-based WLEDs under long-term stability test with (a) 0, (b) 15, (c) 30 and (d) 45 wt.% of UV resin content.