Electronic Supplementary Information



FigureS1 (a) TEM image of QDs (b) Absorption and PL spectrum of QDs



FigureS2 SEM images of multiscale grid/wrinkle structures of PDMS films with etching time of (a)

30s and (b) 60s



FigureS3 Performance characteristics of the control and grid nanostructured QLED. (a) Current density-luminance-voltage characteristics. (b) Current efficiency and external quantum efficiency as a function of current density. (c) Normalized EL spectra. (d) Normalized EL spectra with different viewing angles.



FigureS4 Performance characteristics of the control and wrinkle nanostructured QLED. (a) Current density-luminance-voltage characteristics. (b) Current efficiency and external quantum efficiency as a function of current density. (c) Normalized EL spectra. (d) Normalized EL spectra with different viewing angles.



FigureS5. The transmittance spectrum of control and grid/winkle PDMS substrate.