Figure S1 (a) TEM image of QDs (b) Absorption and PL spectrum of QDs

Figure S2 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.
Figure S4 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.

Figure S5. The transmittance spectrum of control and grid/wrinkle PDMS substrate.