Supporting Information

Carrier transport manipulation for efficiency enhancement in blue phosphorescent organic light-emitting devices with 4,4’-bis(N-carbazolyl)-2,2’-biphenyl host

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Figure S1. The current density-voltage curves of blue devices (a) B1 and (b) B3 and probe devices (a) A1 to A8 and (b) B3-1 to B3-8.

Figure S2. The distribution of hole and electron at different voltages (5 V and 8V) in (a), (b) device B1 and (c), (d) device B3 calculated by drift-diffusion simulations by SimOLED; The electron density/hole density curves of devices B1 and B3 at (e) 5 V and (f) 8V.
Figure S3. The normalized EL spectra of device (a) B1 and (c) B2; The EL spectra of device (b) B1 and (d) B2.