Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C.

Electronic Supplementary Information

for

Homoleptic thiazole-based Ir^{III} phosphorescent complexes for achieving both high EL efficiencies and optimized trade-off among key parameters of solution-processed WOLEDs†

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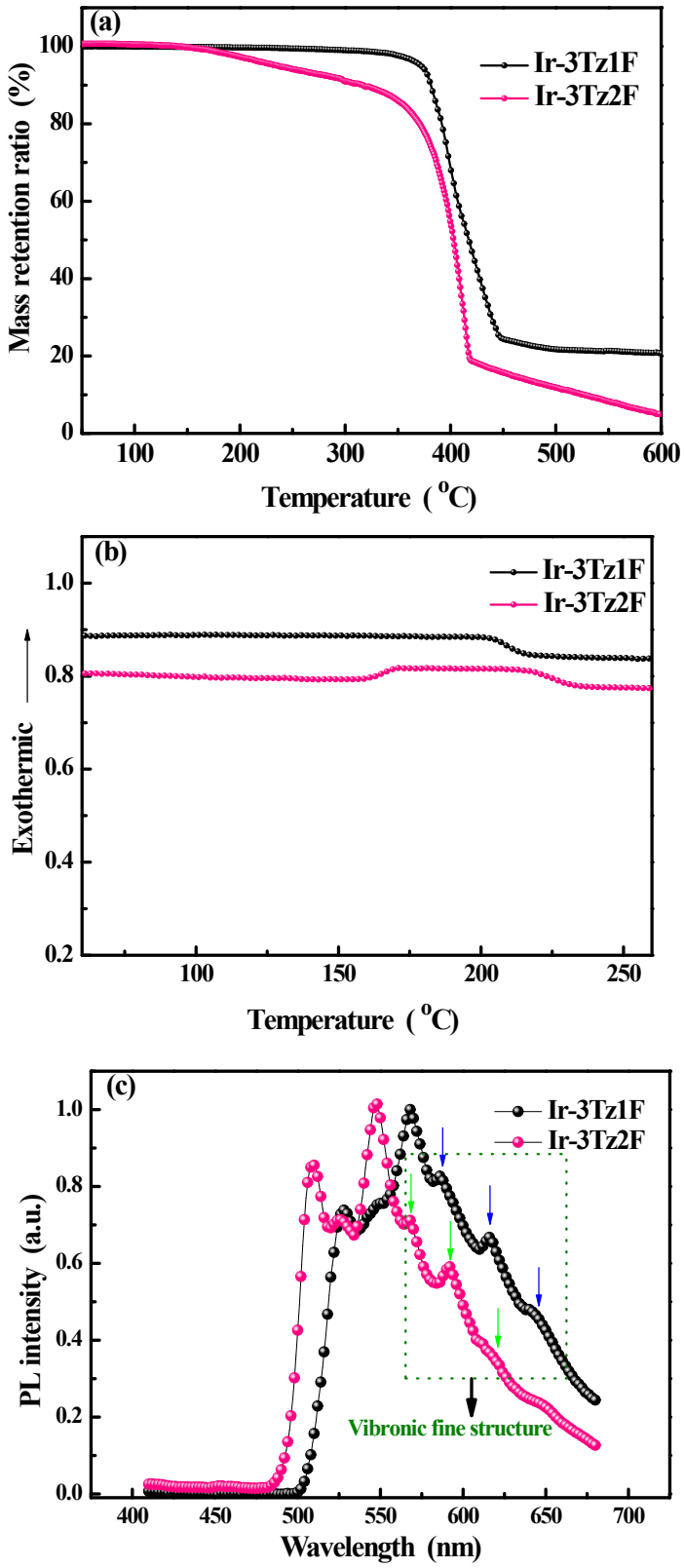

Fig. S1 (a) TGA curves, (b) DSC curves and (c) PL spectra at 77 K for the homoleptic thiazole-based phosphorescent Ir^{III} complexes under N_2 atmosphere.

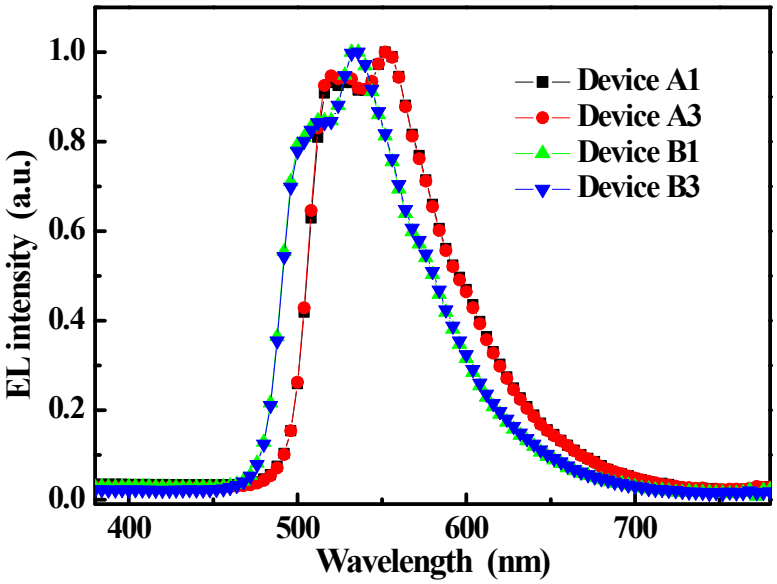

Fig. S2 EL spectra for the optimized devices **A1**, **A3**, **B1** and **B3** at *ca.* 8 V.

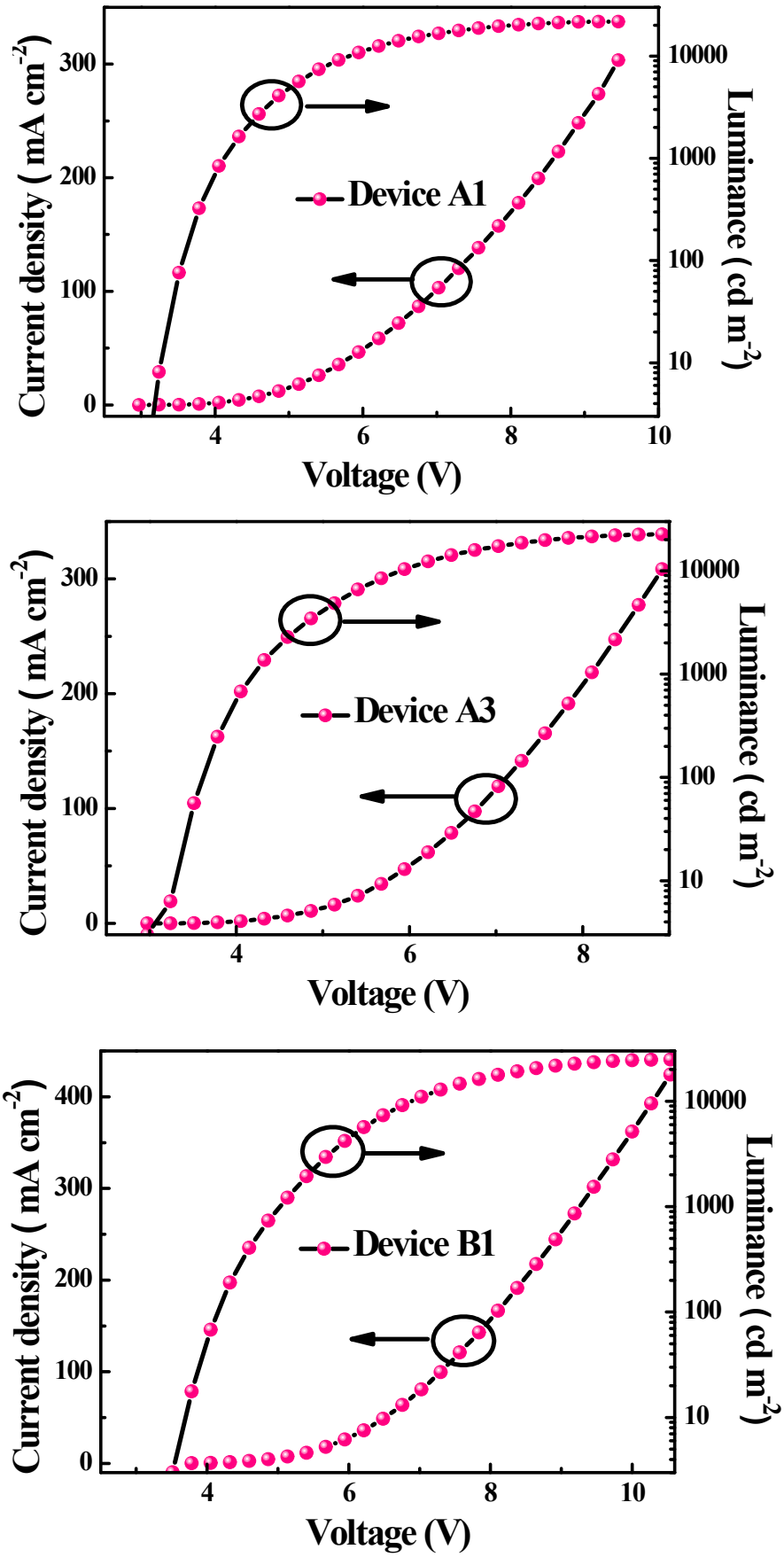

Fig. S3 Current density (*J*)–voltage (*V*)–luminance (*L*) curves for the devices **A1**, **A3**, **B1** and **B3**.

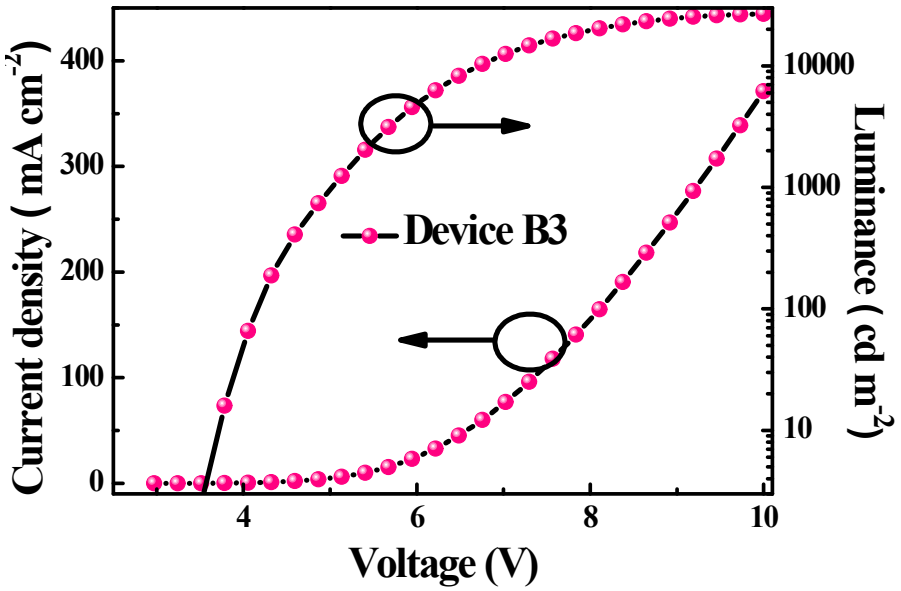

Fig. S3 Continued.

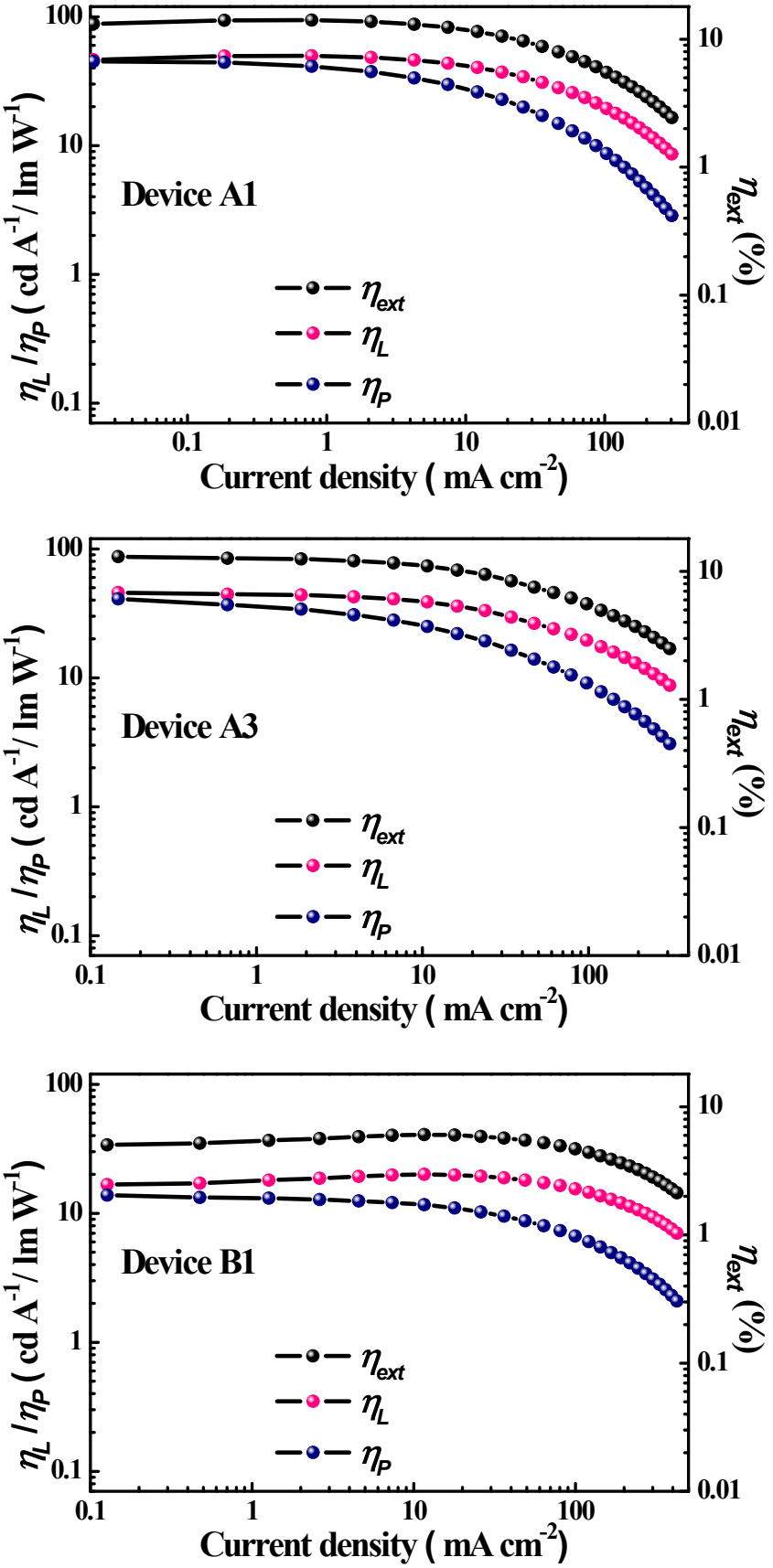

Fig. S4 Relationship between EL efficiencies and current density for the devices **A1**, **A3**, **B1** and **B3**.

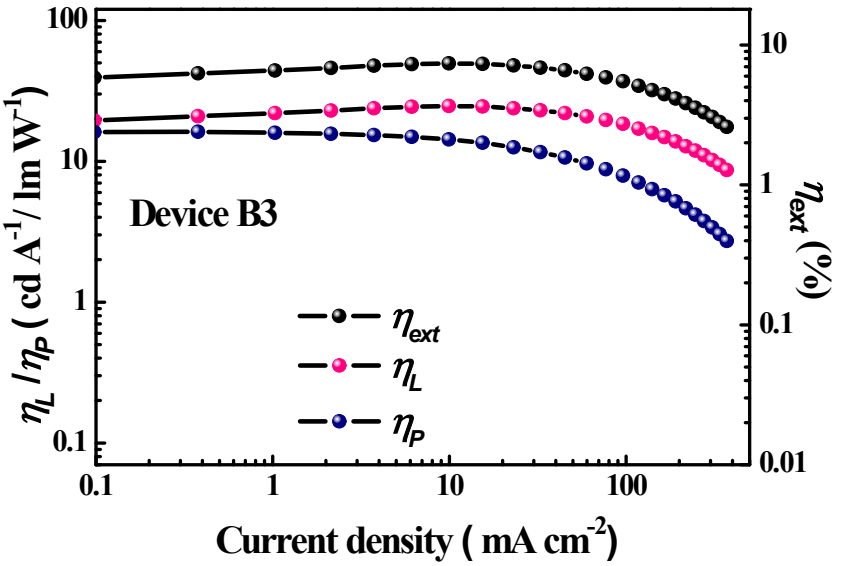

Fig. S4 Continued.

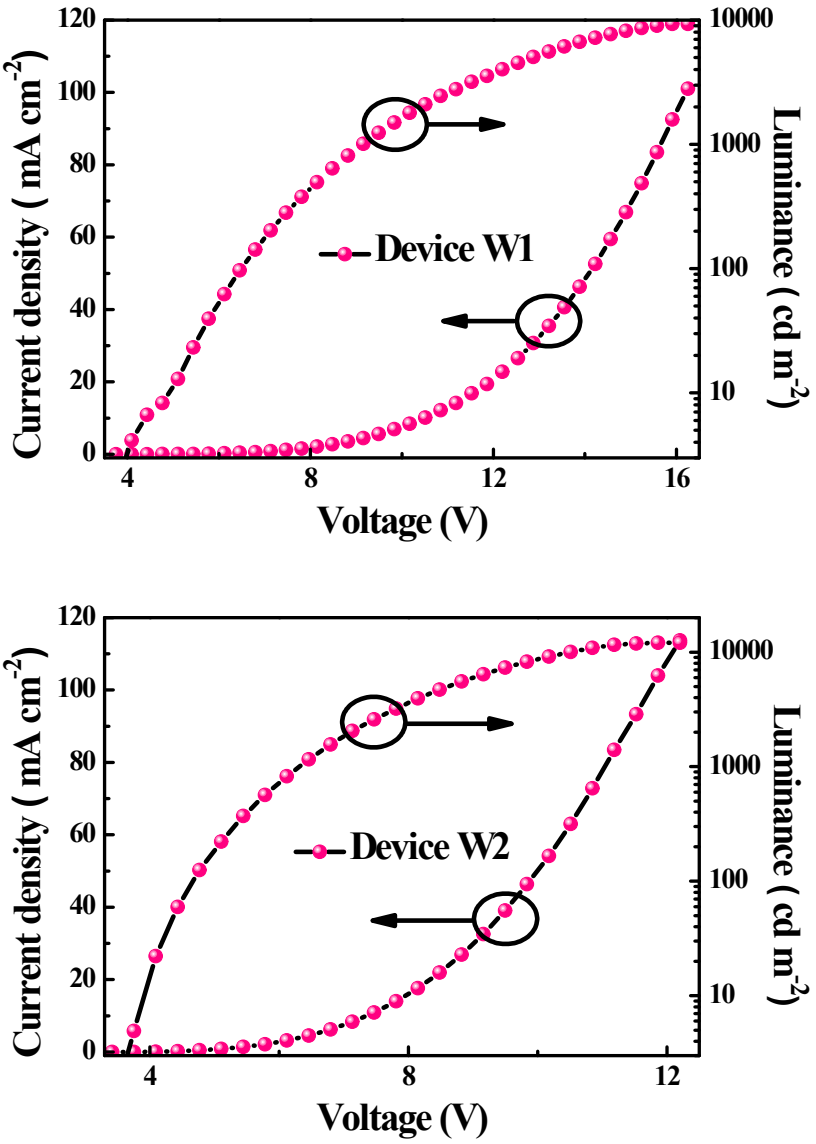

Fig. S5 Current density (*J*)–voltage (*V*)–luminance (*L*) curves for the devices **W1** and **W2**.

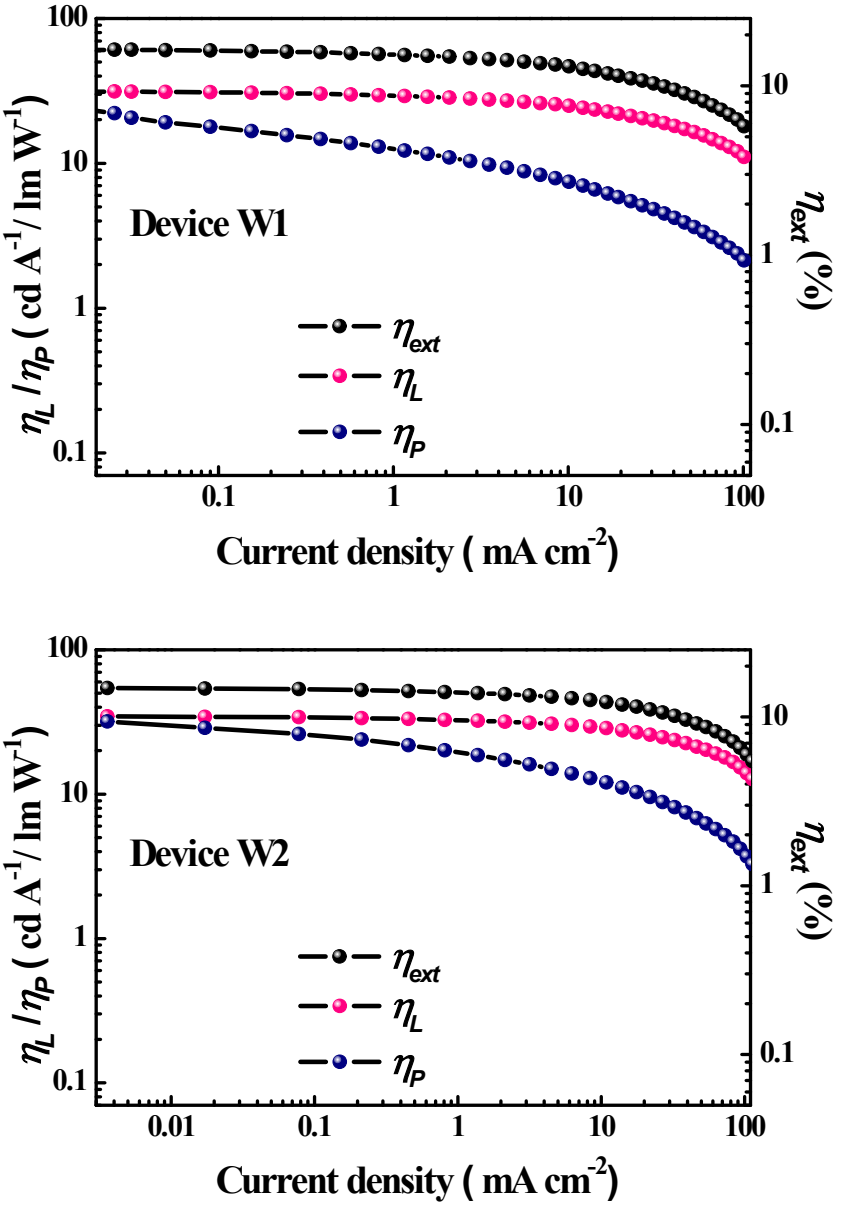

Fig. S6 Relationship between EL efficiencies and current density for the devices **W1** and **W2**.