

Supporting Information

Effect of Main Ligands on Organic Photovoltaic Performance of Ir(III) Complexes

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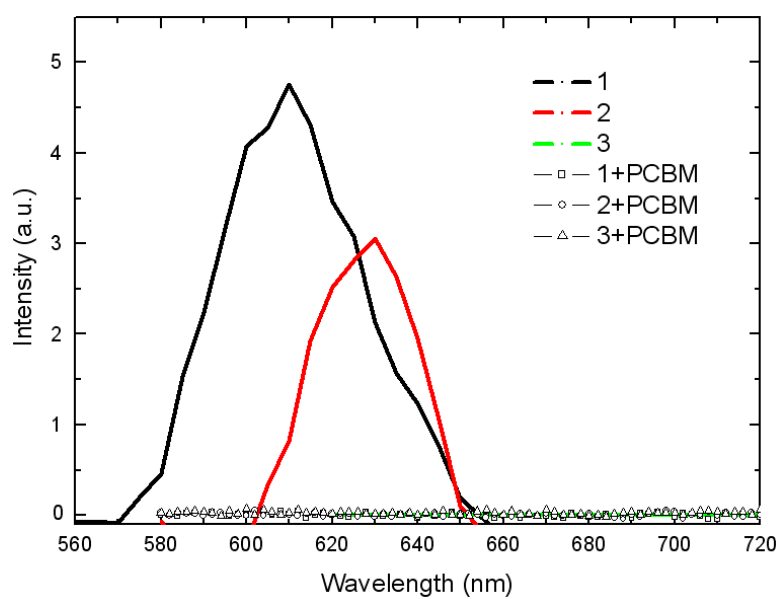


Fig. S1. PL spectra of Ir complexes neat film and a blending film of Ir complexes:PCBM =

1:1

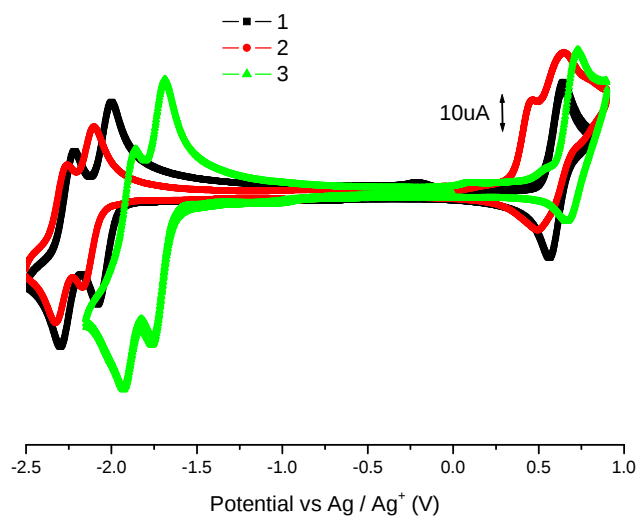


Fig. S2. Cyclic voltammograms of **1**, **2** and **3** (each 1.00 mM in dichloromethane).

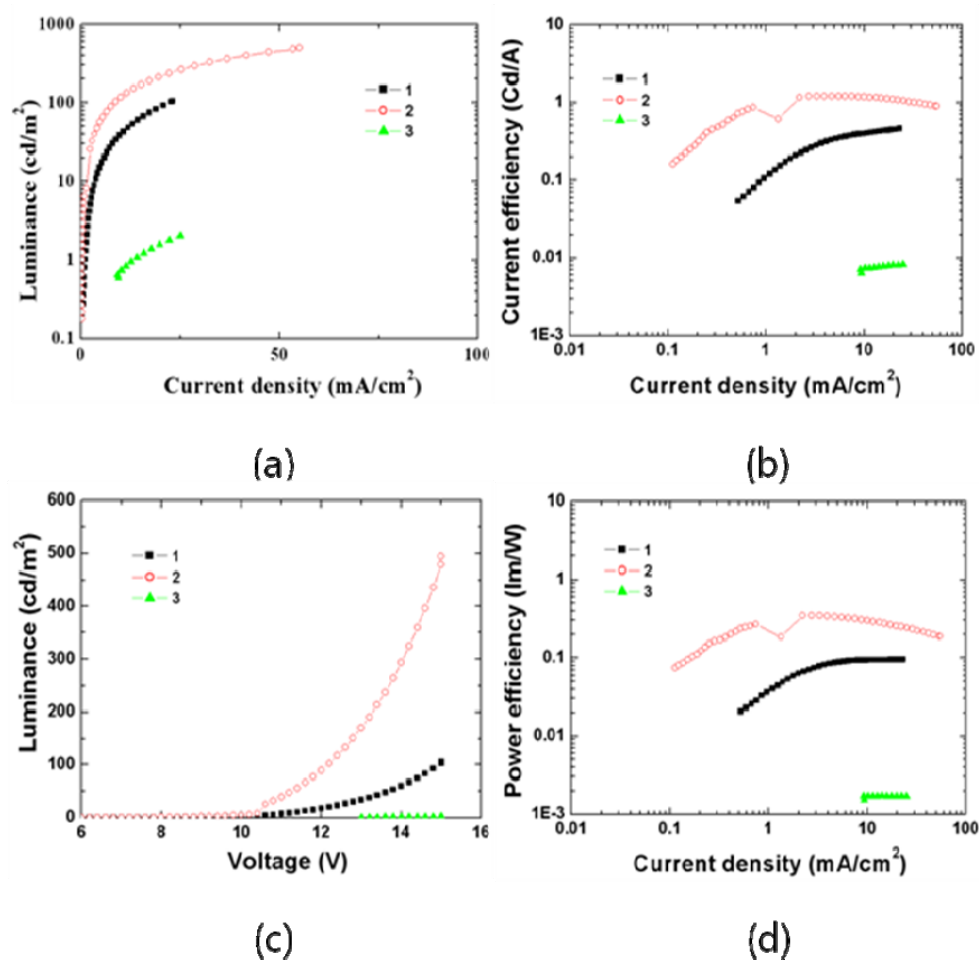


Fig. S3. Performance of electron-only OLED device of **1**, **2** and **3**; (a) luminance (cd m⁻²) vs. current density J (mA cm⁻²), (b) current efficiency (cd A⁻¹) vs. current density J (mA cm⁻²), (c) luminance (cd m⁻²) vs. voltage (V), (d) power efficiency (lm W⁻¹) vs. current density J (mA cm⁻²).

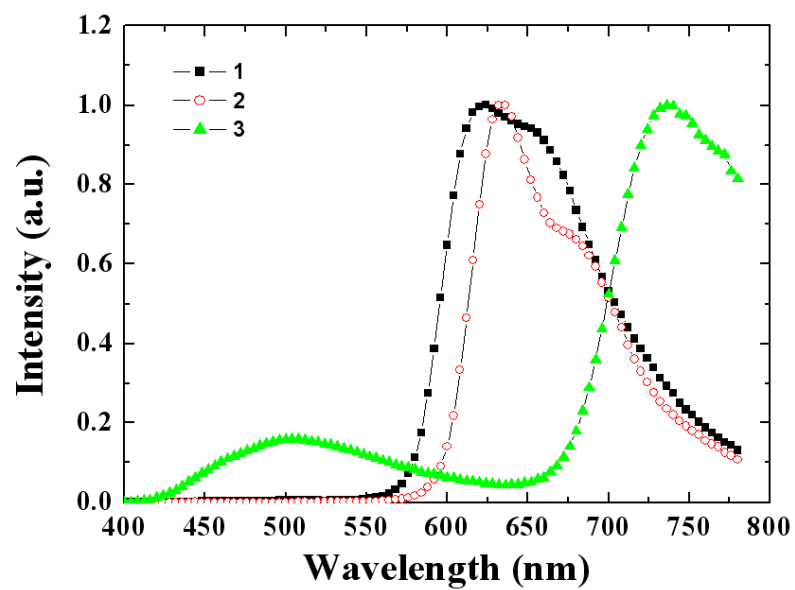


Fig. S4. EL spectra of OLED devices of 1, 2 and 3.