Supporting Information

Supplementary Figures

Fig. S1 Comparison of the absorption spectra of ligands and the corresponding iridium complexes (a-c) in dichloromethane solutions, and the absorption spectra of the complex films (d).

Fig. S2 Device architecture and chemical structures of the materials used in different functional layers.
**Fig. S3** The electroluminescent spectra of Ir-DBF device under different voltages.

**Fig. S4** Plots of the power efficiency versus current density for these iridium complexes based OLEDs.