

## Electronic supplementary information (ESI)

# Improving the Performance of Phosphorescent Polymer Light-Emitting Diodes Using Morphology-Stable Carbazole-based Iridium Complexes

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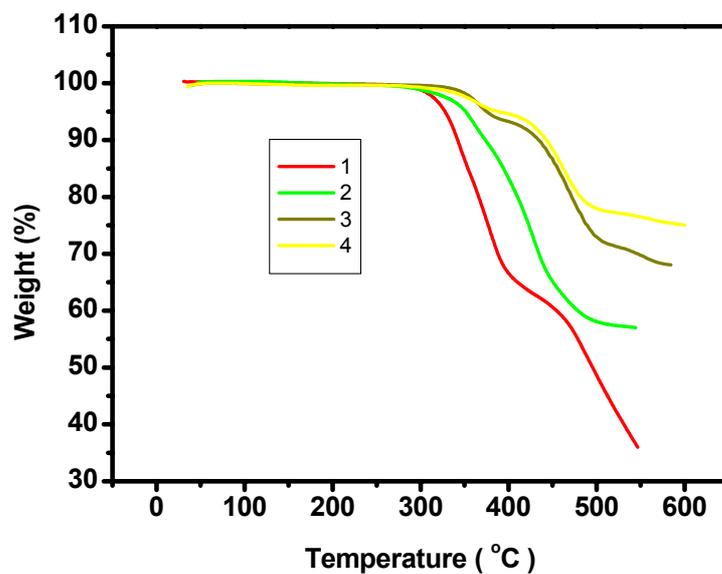


Figure S1. TGA scan for complexes 1-4.

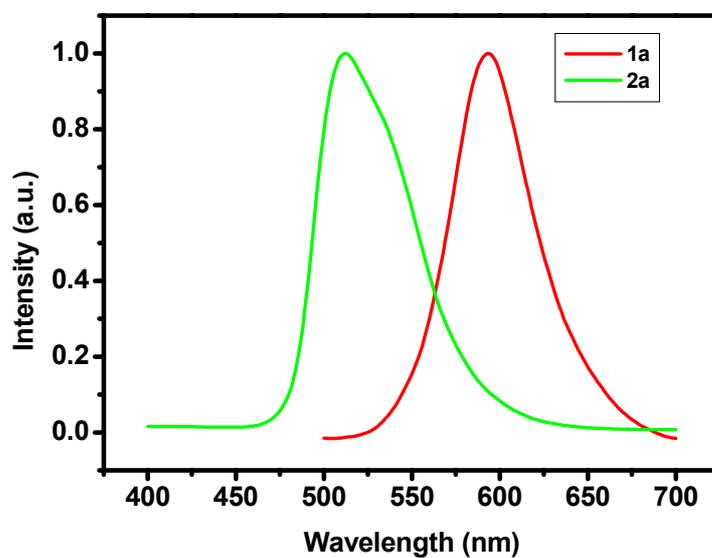
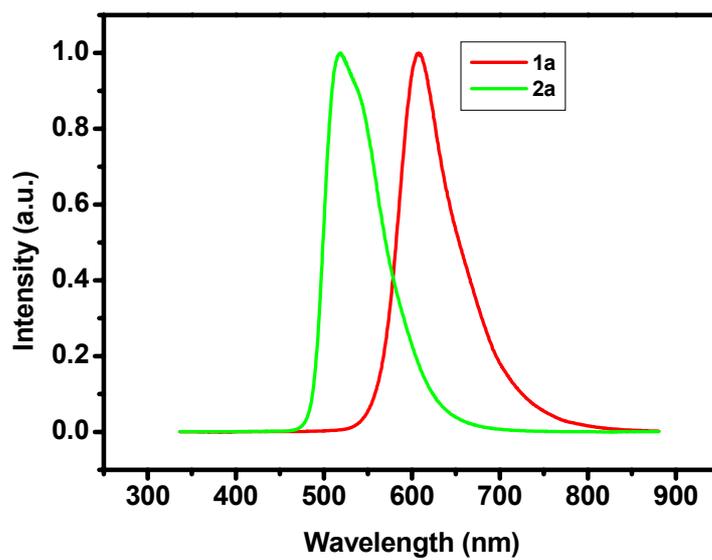
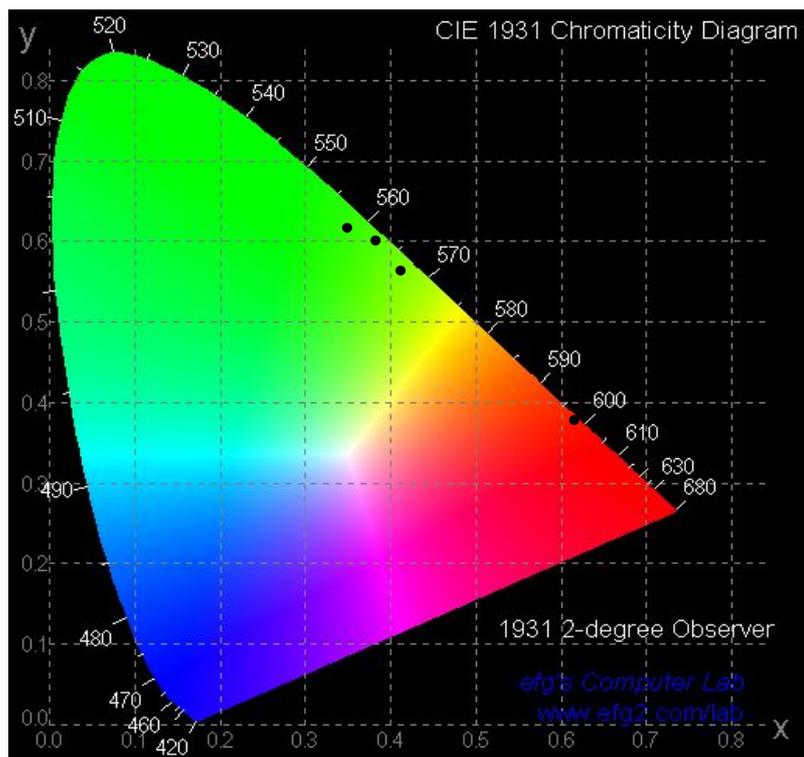


Figure S2. PL spectra of 1a and 2a recorded in CH<sub>2</sub>Cl<sub>2</sub> solution.



**Figure S3.** EL spectra of PLEDs using the iridium complexes **1a**, **2a** as dopants.



**Fig S4.** Commission Internationale de l'Eclairage coordinate plot for PLEDs using complex **1**, **2**, **3** and **4** as dopant