

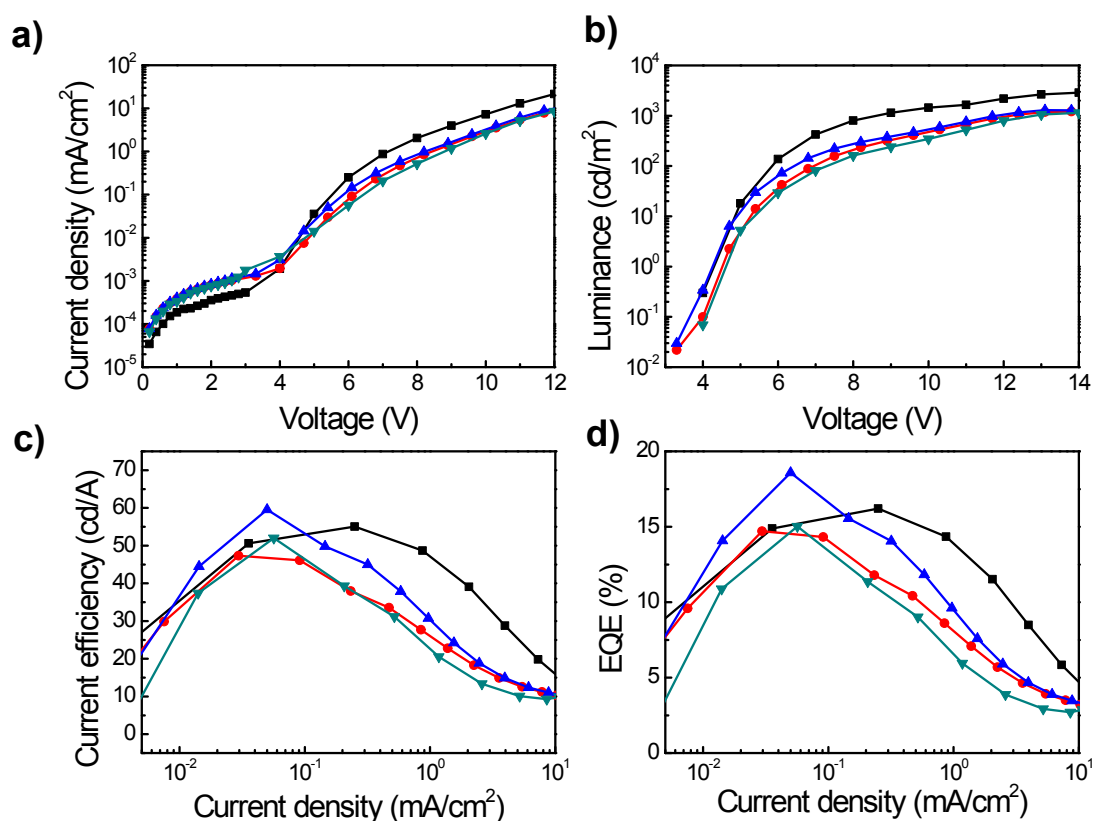


Fig. S1. a) Current density-voltage of yellow-emitting PhOLEDs fabricated by spin coating the emitting dopants ($(\text{---}\bullet\text{---})$ $[(\text{Et-Cz-BTz})_2\text{Ir}(\text{pic})]$, $(\text{---}\circ\text{---})$ $[(\text{Et-Cz-BTz})_2\text{Ir}(\text{pic-N-O})]$, $(\text{---}\blacksquare\text{---})$ $[(\text{Et-Cz-BTz})_2\text{Ir}(\text{EO}_2\text{-pic})]$ and $(\text{---}\square\text{---})$ $[(\text{Et-Cz-BTz})_2\text{Ir}(\text{EO}_2\text{-pic-N-O})]$) dissolved in tetrahydrofuran, b) luminance-voltage, c) current efficiency-current density and d) external quantum efficiency-current density.

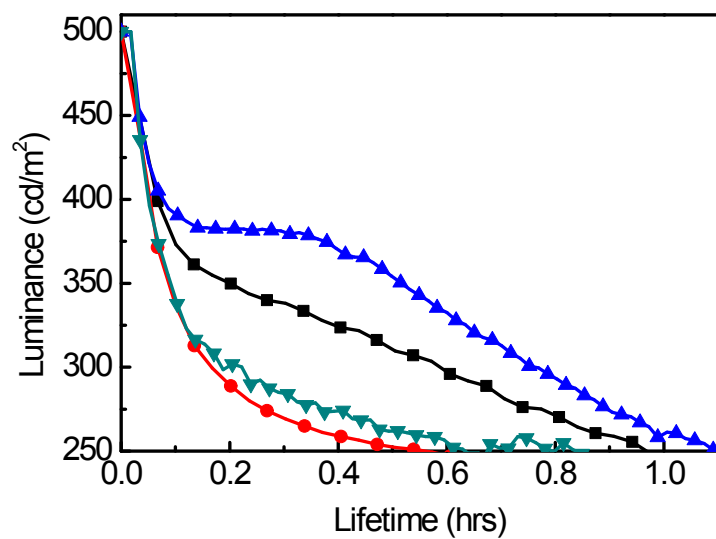


Fig. S2. Lifetime of yellow-emitting PhOLEDs fabricated by spincoating the emitting dopants ((—●—) [(Et-Cz-BTz)₂Ir(pic)], (—⊗—) [(Et-Cz-BTz)₂Ir(pic-N-O)], (—■—) [(Et-Cz-BTz)₂Ir(EO₂-pic)] and (—□—) [(Et-Cz-BTz)₂Ir(EO₂-pic-N-O)]).