

Supporting Information

Highly Twisted Triarylborane-based Biphenyl as Efficient Hosts for Blue and Green Phosphorescent OLEDs

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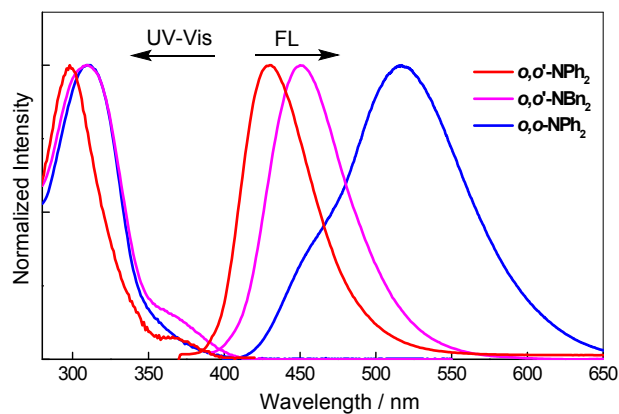


Figure S1. UV-Vis absorption and fluorescence spectra of *o,o'*-substituted biphenyls in cyclohexane.

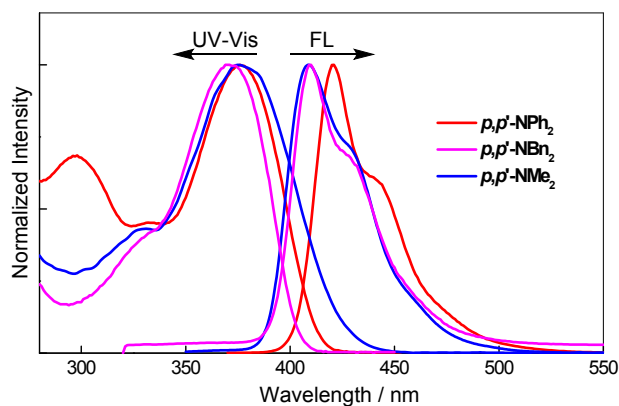


Figure S2. UV-Vis absorption and fluorescence spectra of *p,p'*-substituted biphenyls in cyclohexane.

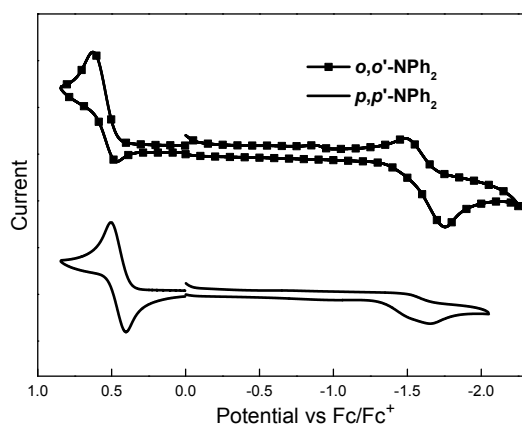


Figure S3. Cyclic voltammograms of *o,o'*-NPh₂ and *p,p'*-NPh₂.

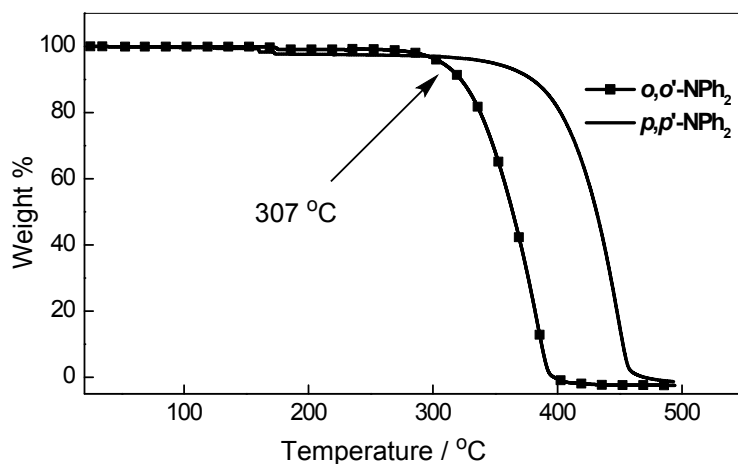


Figure S4. TGA analysis of *o,o'*-NPh₂

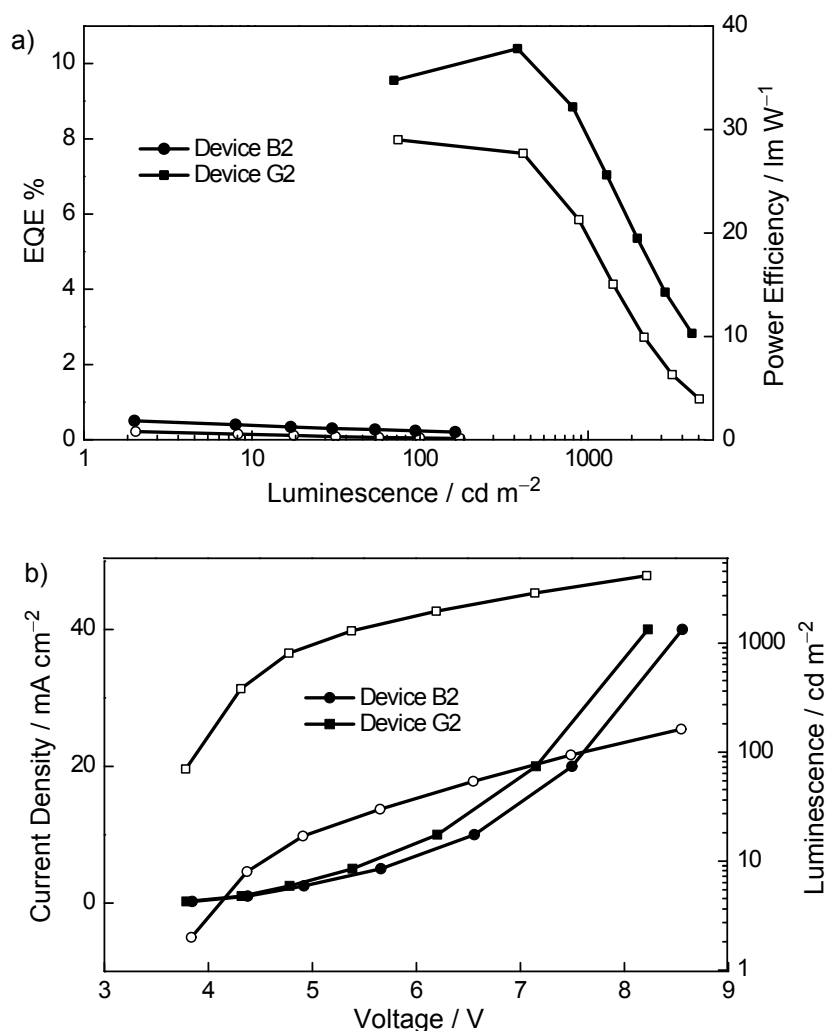


Figure S5. Performance of phosphorescent OLEDs using *p,p'*-NPh₂ as a host: a) Plots of EQE (solid) and power efficiency (hollow) as a function of luminescence; b) Plots of current density (solid) and luminescence (hollow) as a function of voltage.