## **Supporting Information**

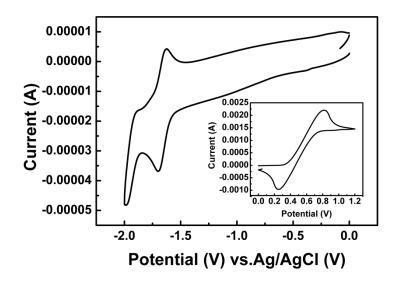
## Solution-Processed Oxadiazole-Based Electron-Transporting Layer for White Organic Light-Emitting Diodes

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**Figure S1.** Cyclic voltammogram of OXDPPO in acetonitrile solution with 0.1 M  $Bu_4NPF_6$  as the electrolyte at a potential scan rate of 10 mV s<sup>-1</sup>. The inset shows the redox curve of ferrocene. The first reduction peak was used to calculate the LUMO level of OXDPPO.

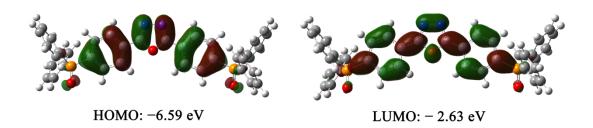
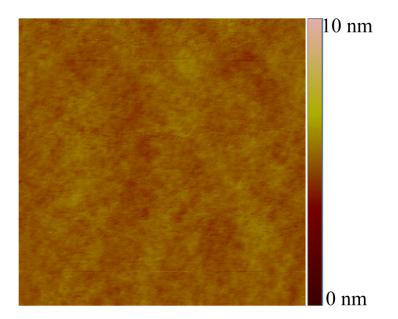
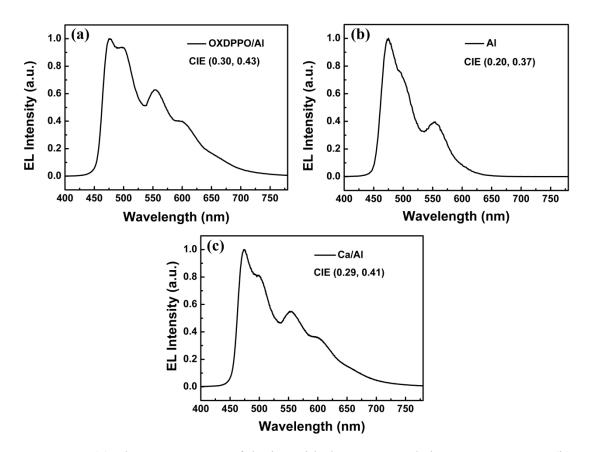


Figure S2. HOMO and LUMO orbital distributions and energy levels obtained from

molecular simulation of OXDPPO.



**Figure S3.** AFM image (2  $\mu$ m × 2  $\mu$ m scale) of the surface morphology of solutiondeposited OXDPPO film with a root-mean-square (RMS) surface roughness value of 0.25 nm (in device with a ITO/PEDOT:PSS (40 nm)/PVK:OXD-7:FIrpic:Ir(bt)<sub>2</sub>(acac) (80nm)/OXDPPO (20 nm) structure).



**Figure S4.** (a) The EL spectrum of device with the OXDPPO/Al structure at 12 V; (b) the EL spectrum of device using the bare Al cathode at 12 V; (c) the EL spectrum of device with the Ca/Al configuration at 12 V.