Electronic Supplementary Information

Benzobisoxazole-based electron transporting materials with high T_g and ambipolar property: high efficiency deep-red phosphorescent OLEDs

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Figure S1 Molecular packing of TPO-DBBO at different position of perspective (solvent molecules were removed for clarity)



Figure S2 Storage oscilloscope trace of the TOF signal of holes photogenerated in and drifting across a 3Py-DBBO layer.



Figure S3 Storage oscilloscope trace of the TOF signal of electrons photogenerated in and drifting across a 3Py-DBBO layer.



Figure S4 Storage oscilloscope trace of the TOF signal of holes photogenerated in and drifting across a TPO-DBBO layer.



Figure S5 Storage oscilloscope trace of the TOF signal of electrons photogenerated in and drifting across a TPO-DBBO layer.



Figure S6. EL spectra of 3Py-DBBO based devices at different voltage.



Figure S7. EL spectra of TPO-DBBO based devices at different voltage.



Figure S8 PL spectra of 3Py-DBBO and TPO-DBBO in thin film.



Figure S9 Optimized molecular configuration of 3Py-DBBO and TPO-DBBO