

## Supporting information

**Combining intrinsic (blue) and forming exciplex (green and orange-red) emissions of the same material (OCT) for white organic light-emitting diodes realizing high color quality with CRI of 97**

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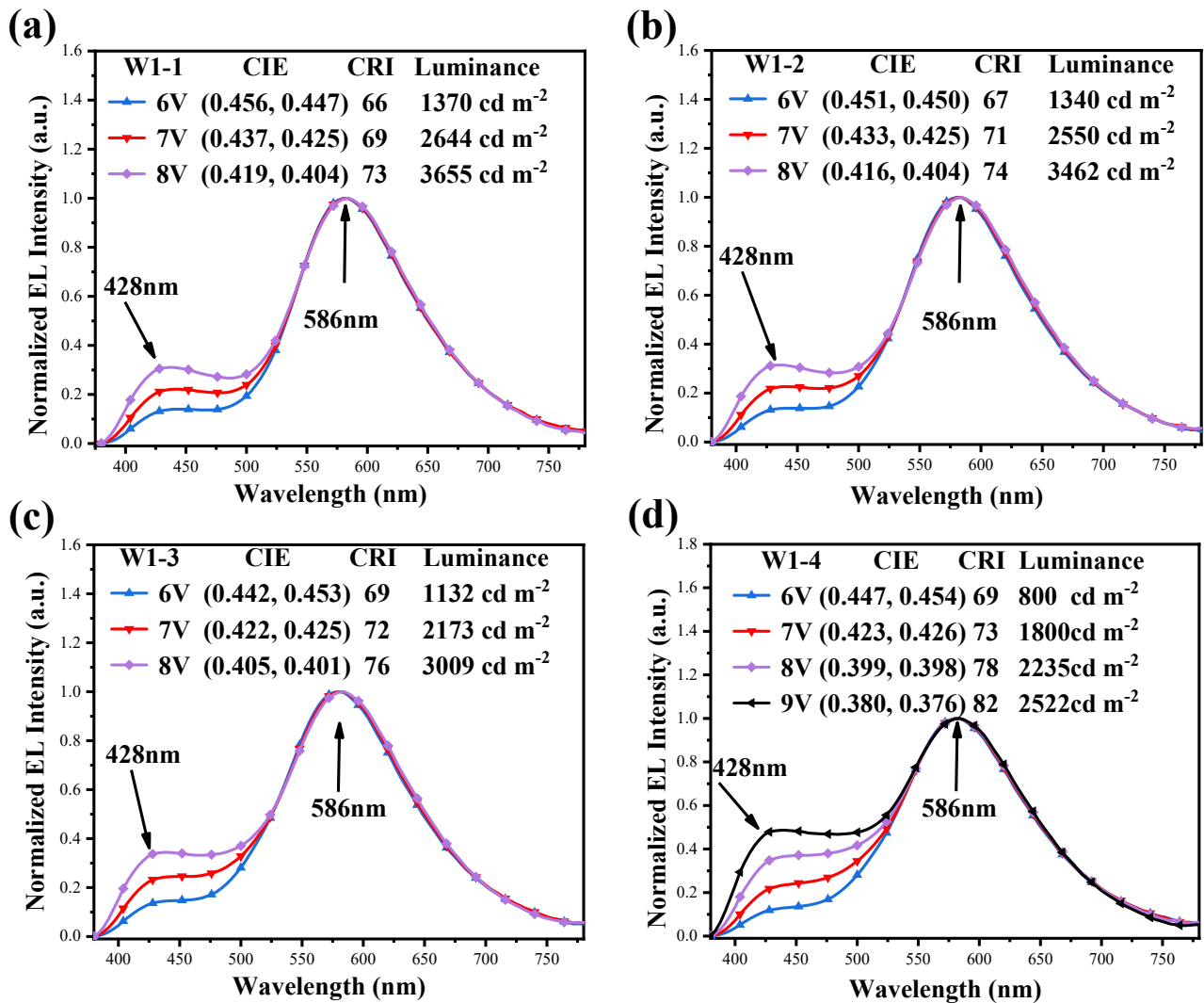
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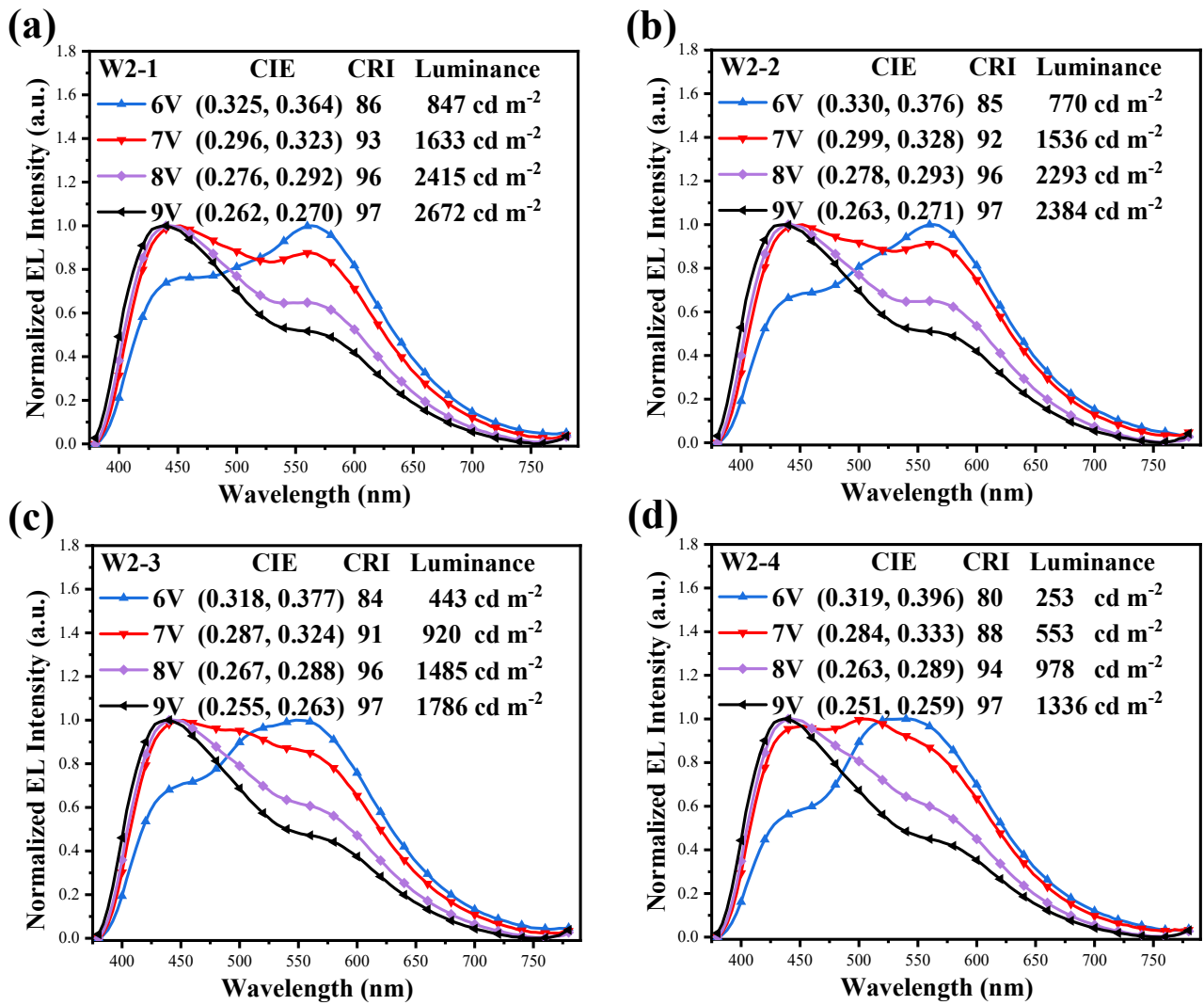
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**Fig. S1** Normalized EL spectra for white devices  $W_{1-1}$  to  $W_{1-3}$  at a driving voltage range of 6-8V and for device  $W_{1-4}$  at a driving voltage range of 6- 9 V.



**Fig. S2** Normalized EL spectra for all white W<sub>2</sub>-series under the different driving voltage of 6, 7, 8 and 9V.