White Emitting flexible Displays with Quantum-dots Film and Greenish Blue Organic Light Emitting Diodes

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Supplementary Table

Table S1. Comparison between several different white emission devices

Devices	Maximum luminance	Color temperature	Flexibility	Method for white emission	Reference
QD-OLED	14,638 cd/m^2 @ 7 V	6041 K	○	OLED attach to QD-film	This work
OLED	N/A	3000 K	×	AC driving	[10]
OLED	N/A	4860 K	×	Tandem	[12]
OLED	15,000 cd/m^2 @ N/A	3000 K	×	Tandem	[13]
OLED	10,200 cd/m^2 @ 40 V	4660 K	×	Tandem	[14]
OLED	30,000 cd/m^2 @ 8.5 V	N/A	○	Parallel-Stack (Tandem)	[15]
OLED	5,219 cd/m^2 @ 15 V	4500 K	×	Organic material engineering	[19]
OLED	400 cd/m^2 @ > 15 V	5200 K	×	Organic material engineering	[20]
OLED	N/A	6500 K	×	Pixel miniaturization	[22]
OLED	4,000 cd/m^2 @ 20 V	5100 K	×	Organic material engineering	[23]
QD-OLED	964 cd/m^2 @ 8 V	2574 K	×	Spin coated QD solution thin film	[24]
QD-OLED	4133 cd/m^2 @ 12 V	6200 K	×	Spin coated QD solution thin film	[25]
Perovskite QD-OLED	49,000 cd/m^2 @ 12 V	5600 K	×	Spin coated QD solution thin film	[26]

Supplementary Figures

Figure S1. Characteristics of blue and greenish blue OLEDs: (a) luminance vs voltage characteristics, **(b)** current density vs voltage characteristics, **(c)** spectral characteristics.

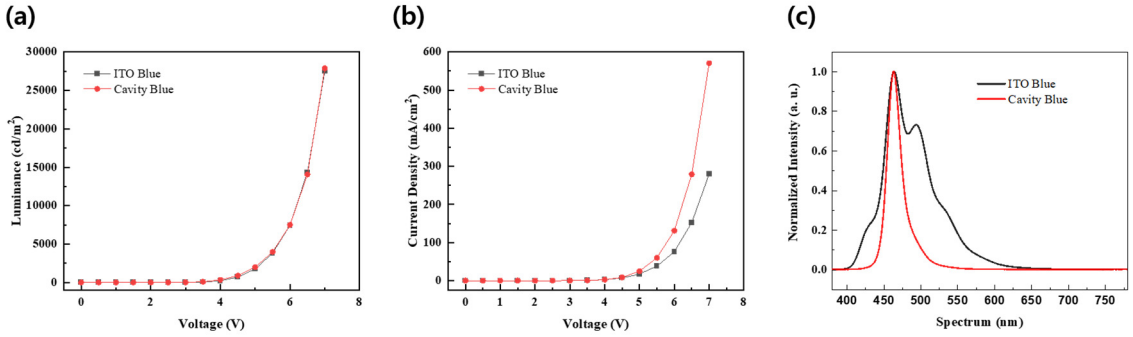


Figure S2. CIE 1931 coordination against ITO based and cavity based QD-OELDs.

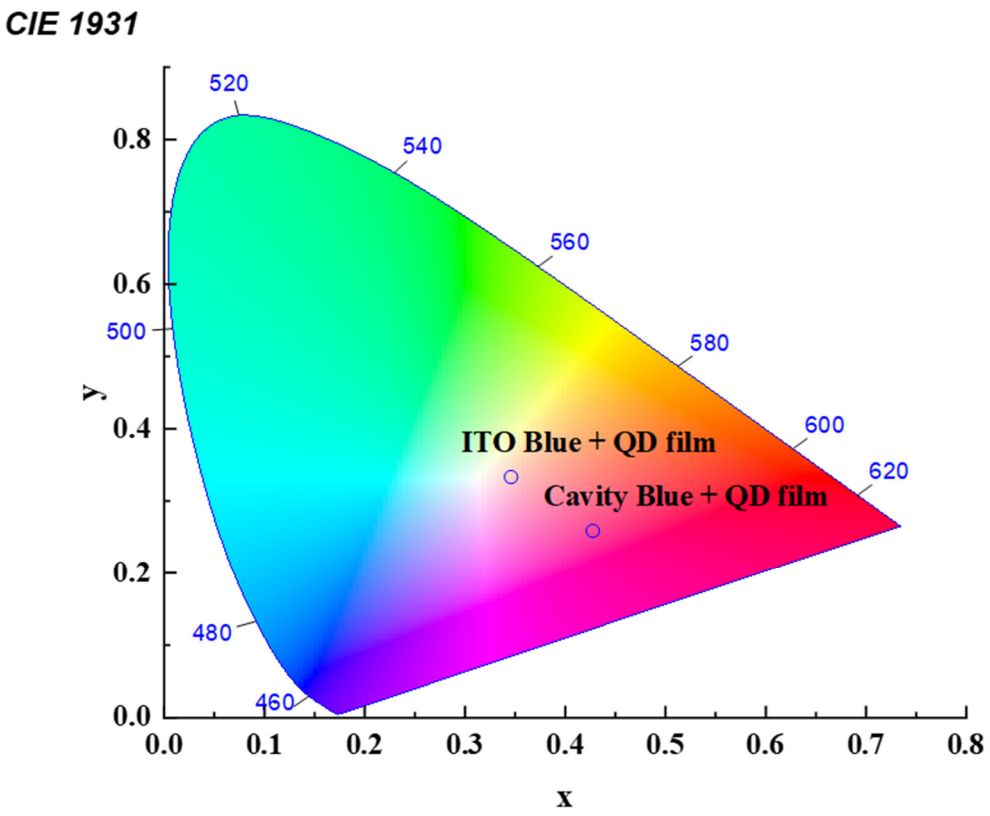


Figure S3. Current density vs voltage characteristics of various QD-OLEDs.

