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## Enhancing properties of Perovskite quantum dots Light Emitting Devices through grid structures formed by Trioctylphosphine oxid

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Figure S1. (a) PLQY measurements and (b) Time-resolved photoluminescence decay transient measurements of CsPbBr3 QDs and PEA-CsPbBr3 QDs.



Figure S2. SEM images of 4mg/ml TOPO solution dissolved in isopropanol. Scale bar: 2um.