**Ferroelectric Sensor BaxSr1-xTiO3 Integrated with Android Smartphone for Controlling and Monitoring Smart Street Lighting**

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**Figure S1.** The output voltage of the BST thin film with a variety of mole fractions vs. light intensities. (a) mole fraction *x* = 0.125, (b) *x* = 0.250, (c) *x* = 0.625, (d) *x* = 0.750, (e) *x* = 0.875, (f) *x* = 1.000



**Figure S2**. The image of the servo motor arm attaches to the knob of PWM 2000 AC module