

Fabrication of color glass with high light transmittance by pearlescent pigment and optical adhesive

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Figure S1. Color solutions composed of pearlescent pigments and optical adhesives (NOA) matrix. From left, A-781K (Splendor Blue), AX-701K (Dazzling Gold), AX-741 (Dazzling Red), AX-761 (Dazzling Violet), AX-791K (Dazzling Green) and AX-901K (Dazzling Standard)

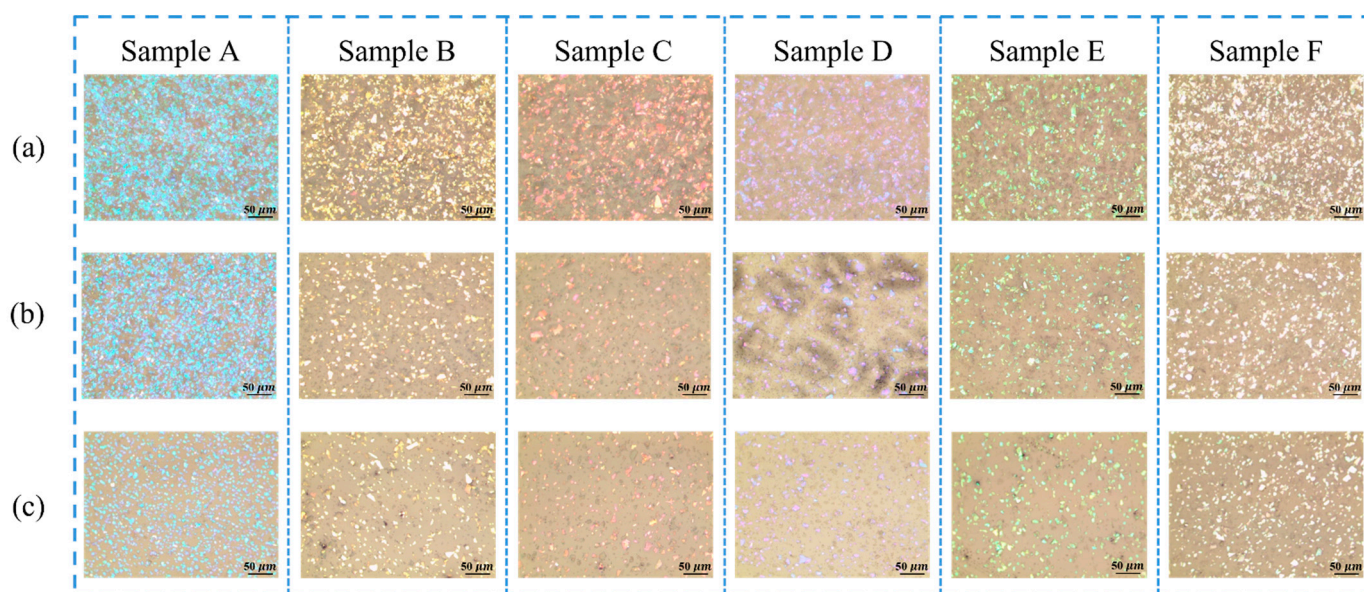


Figure S2. Optical microscopy image of color glass samples produced at a spin coating speed of (a) 1000 rpm, (b) 2000 rpm, (c) 3000 rpm.

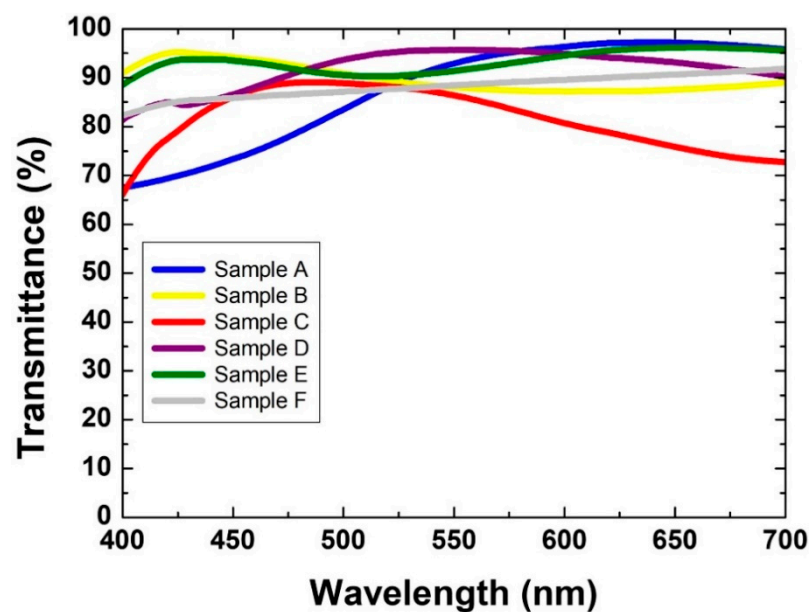


Figure S3. Transmittance spectra of color glass samples produced at a spin coating speed of 1500 rpm.

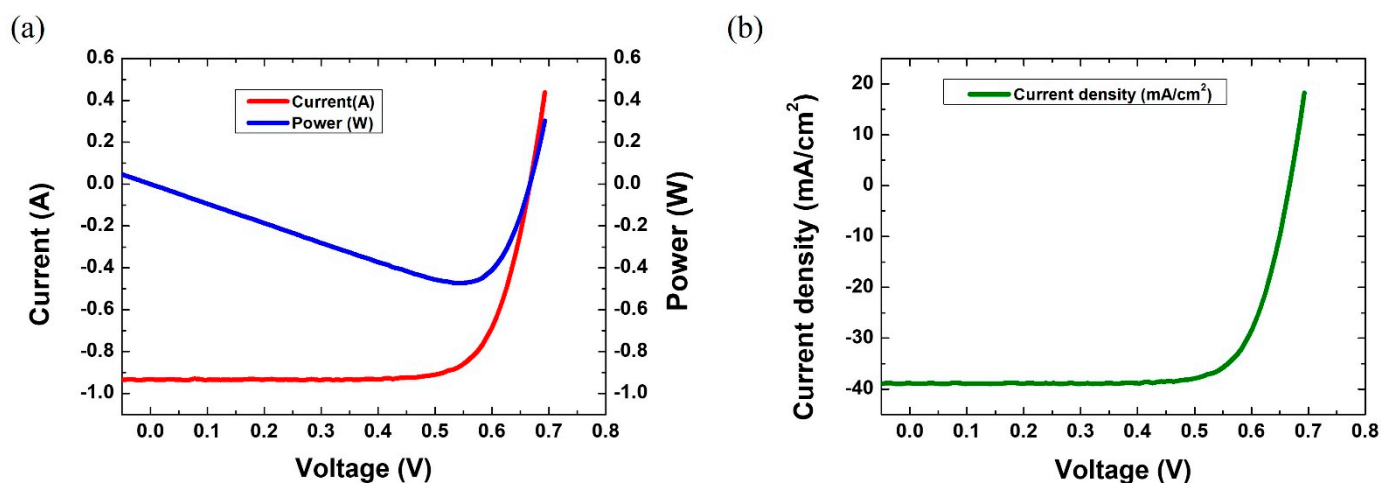


Figure S4. Electrical characteristics of the BIPV module with reference glass (a) voltage (x-axis), current (left Y-axis), power (right Y-axis), (b) voltage (x-axis), current density (left Y-axis)

Table S1. Performance metrics of BIPV module with reference glass

V_{oc} (V)	0.667
I_{sc} (A)	0.933
J_{sc} (mA/cm ²)	38.85
P_{max} (W)	0.473
V_{max} (A)	0.541
I_{max} (A)	0.874
Efficiency (%)	19.70