

Supporting Information

Thermal and electrical tuning of Bragg reflection wavelength with ultraviolet light absorbers in polymer-stabilized cholesteric liquid crystals

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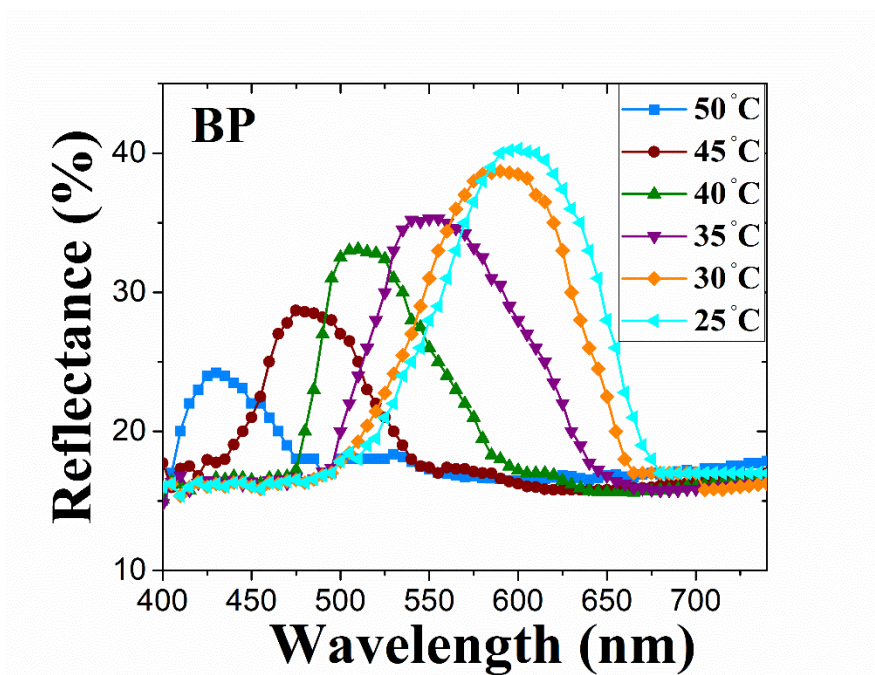


Fig S1 Reflection spectra of the cell with respect to the temperature for the BP-type of UV light absorber on cooling form at the UV intensity of 1 mW/Cm^2 and concentration of 3 wt %.

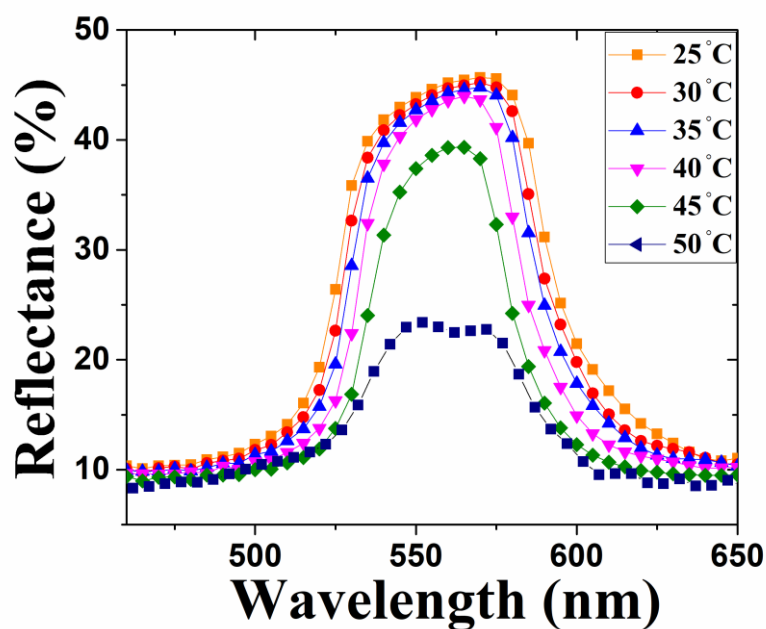


Fig S2. Reflection spectra of the cell with respect to the temperature for uniformly distributed polymer stabilized refractor by excluding the UV light absorber and in the high UV intensity of 20 mW/Cm^2 .

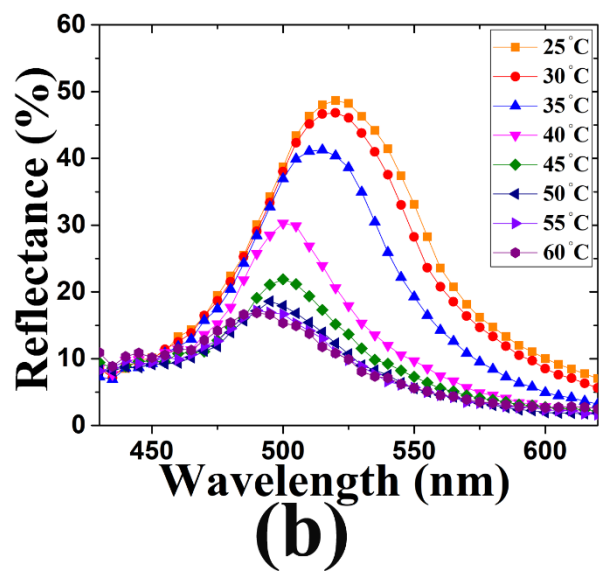
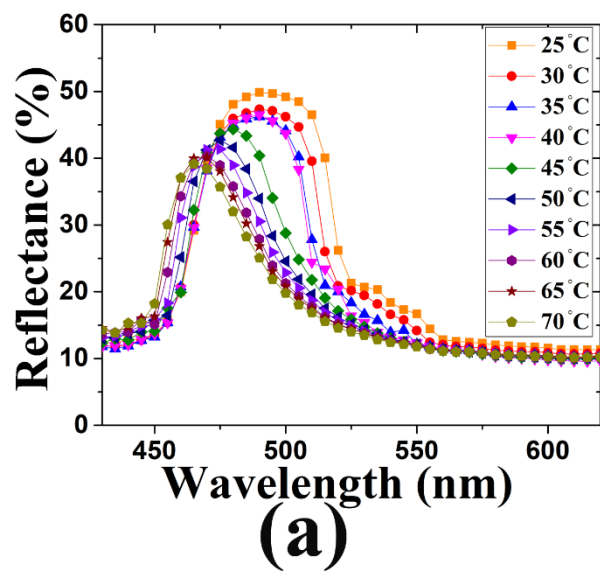


Fig S3. Reflection spectra of the cell with respect to the temperature of (a) BTZ and (b) HPT types of UV light absorbers at concentration of 3wt% and UV intensity of 10.2 mW/Cm².