Supporting Information

The temperature range and optical properties of Liquid crystalline blue phase in inverse opal structures

Yuxian Zhang, a,b Weidong Zhao, a,b Yongbo Yu, a,b Zhou Yang, a,b Wanli He, a,b Hui Cao, a,b Dong Wang a,b

a. State Key Laboratory for Advanced Metals and Materials, School of Materials Science and Engineering, University of Science and Technology Beijing, Beijing 100083, China.
b. Department of Materials Science and Engineering, University of Science and Technology Beijing, Beijing, 100083, China

*Corresponding authors:
E-mail Address: yangz@ustb.edu.cn (Z. Yang), hewanli@mater.ustb.edu.cn (W. He)

Fig. S1 Chemical structures of the chiral dopant S811, the photoinitiator Irgacure651, the monomer C6M and 2-ethylhexyl acrylate (2-EHA).
Fig S2. POM images of the BP-IOP device with 20 µm-spacer taken at a cooling rate of 1.0 °C/min (a) 35.5 °C (b) 34.9 °C (c) 34.2 °C (d) 33.9 °C (e) 29.7 °C (f) 24.5 °C

Fig S3. POM textures of PSBP sample at different temperatures before polymerization (a) 21.2 °C (b) 18 °C (c) 17.6 °C

Fig S4. POM textures of PSBP sample at different temperatures after polymerization (a) 25 °C (b) 21.4 °C