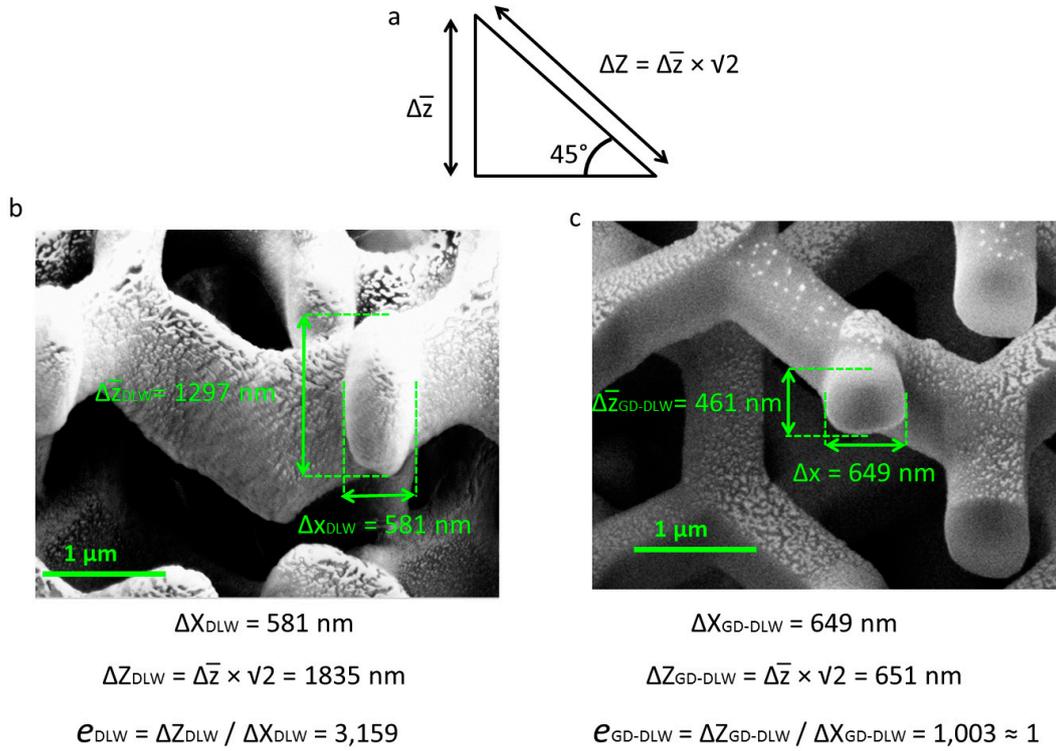
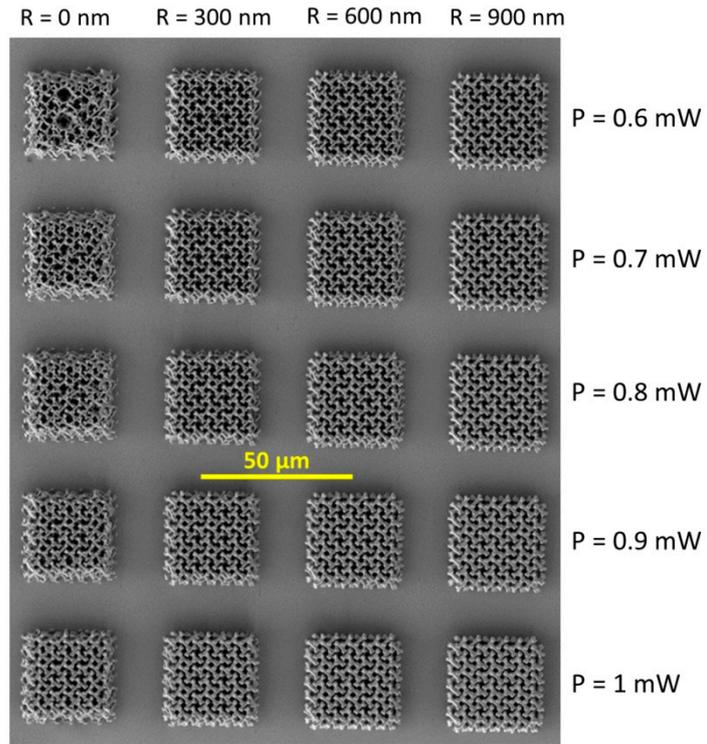


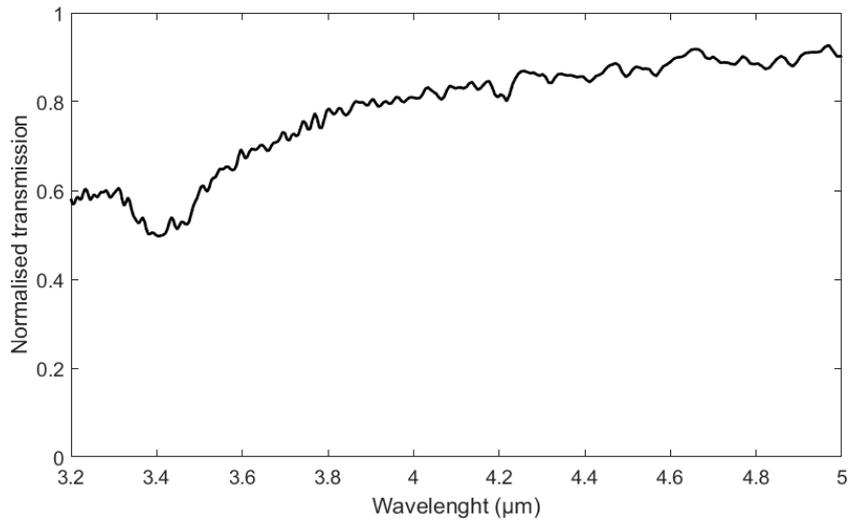
Supplementary Figures



**Figure S1.** Axial and lateral linewidths obtained from SEM images taken along the [011] direction. a) In this configuration the sample is tilted by an angle of  $45^\circ$ , therefore the lateral dimension  $\Delta X$  can directly be extracted by the images. To obtain the real  $\Delta Z$  value, it is necessary to multiply the measured value by  $\sqrt{2}$ . b) SEM image of 2-srs PhC fabricated using DLW and corresponding values of  $\Delta X$ ,  $\Delta Z$  and  $e$ . c) SEM image of 2-srs PhC fabricated using GD-DLW and corresponding values of  $\Delta X$ ,  $\Delta Z$  and  $e$ . The software used for the measurements is ImageJ.



**Figure S2.** SEM image of 8-srs PhCs fabricated using GD-DLW demonstrating the beneficial effects of the galvo-dithering on the mechanical stability. The power of the laser ( $P$ ) is varied from 0.6 mW to 1 mW and the galvo-dithering radius ( $R$ ) is varied from 0 nm to 900 nm.



**Figure S3.** Experimental transmission spectra for 8-srs PhC fabricated via DLW ( $R = 0$ ).