Injection and Acceleration with Squeezed Optics in LEP, P. COLLIER and G. ROY, CERN - Up to now injection into LEP has been done using a detuned optics, with a vertical $\beta^*_v = 21$ cm. After accelerating to higher energies a progressive optics change is made to the 'physics' optics, where $\beta^*_v = 5$ cm. The use of synchrotron injection as the normal means of accumulation in LEP has opened up the possibility of injection directly into the 'physics' optics. This has many advantages ranging from an easier operation, including a faster turnaround from injection to physics conditions, to allowing more flexibility in the optics design and matching. Results from machine development sessions will be presented showing that there is no fundamental reason for not implementing this scheme. Potential drawbacks and limitations, especially for the maximum beam current are, however, discussed.