Galaxy Luminosity Functions
Giant disk galaxies (S0 and Sa—Sc) are red with \((B-K' > 3)\). This is why \(M^*(K)\) is 3.4 mag brighter than \(M^*(B)\) in Schechter luminosity function of field galaxies.
Data points of R-band LF of field galaxies is fitted at bright end with a Schechter-type LF, but the faint end of the LF is not well described by a Schechter type LF.