C1 controls rise time: 1nF = 100 us
R2 controls current: I_LED = 100mV/R2
Maximum current is 1.5A
+5V logic supply (may be between 4.5 and 40 V)
(VCC- V_LED_DROP)*(I_LED) < 3W
If constraints on power dissipation cannot be met,
substitute STSC2A, which has a power limit of 10W

Consider placing a ferrite bead between vcc and C3+LED
Consider placing a ferrite bead between +5V and C2+ic power input