

# MINI-STROBE LITE

Connect a small 6-volt lamp to a 555 timer, and what do you get? A mini-strobe, that's what! Although the light from lamp I1 is nowhere near as intense as that from the xenon flashtubes used in commercial strobes, you can still obtain a stroboscopic effect in a darkened room. Because incandescent lamps cannot be switched on and off as quickly as flashtubes, IC1's maximum frequency has been limited to 5Hz. Still, you can stop human motion for a novel effect. Use a 6-volt lantern battery or four D cells in series to power the circuit.

## PARTS LIST FOR MINI STROBE

- C1**—2.2  $\mu$ F, 10V electrolytic capacitor
- C2**—.1  $\mu$ F ceramic disc capacitor
- C3**—220  $\mu$ F, 10V electrolytic capacitor
- IC1**—555 timer
- I1**—type PR-12-6-volt, 500-mA lamp (Radio Shack 272-1123)
- Q1**—2N2222 NPN transistor
- R1**—4,700-ohm, 10%,  $\frac{1}{2}$ -watt resistor
- R2**—500,000 linear-taper potentiometer
- R3**—62,000-ohm, 10%,  $\frac{1}{2}$ -watt resistor
- R4**—120-ohm, 10%,  $\frac{1}{2}$ -watt resistor

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