

4x4 Led Cube

The cube has 64 green LEDs which make up it's 4 layers(positives) and 16 columns(negatives). These are all wired to a Arduino Uno. An Arduino is a single-board microcontroller, intended to make the application of interactive objects or environments more accessible. The hardware consists of an open-source hardware board designed around an 8-bit Atmel AVR microcontroller, or a 32-bit Atmel ARM. I programmed code(sketches) for the Arduino Uno to controll the individual LEDs to display patterns for this captivating desktop light show.

Components required:

Arduino nano

70 LEDs

9x4.5 dot pcb

Tin coated copper 18 gauge wire

4 100Ω resistors

Connecting wires(single stranded hookup wire)

