# Information about LED cubes

First off I think we should know how this devices work. They are made of panels of LED diodes connecting them to a common GND or Vcc+. When we connect LEDs in common cathode (-) mode, all shorter legs are soldered together (or just united in some way) and when applying voltage to the other “free leg” it will light up only one LED. To light all the LEDs we would have to give power to each of the anodes one by one or at the same time.