

How to use the PowerPuck to drive 5mm LEDs

5mm LEDs must be connected to the PowerPuck in parallel. The output current from the PowerPuck is divided by the number of LEDs connected to it. Thus the amount of current that flows through each LED is determined by the number of LEDs in the string. Thus it is important to have enough LEDs so that the current flowing through each LED does not exceed the rated maximum.

PowerPuck output current / Current per LED = # Of LEDs in string
Always round up to get # of LEDs, never down.

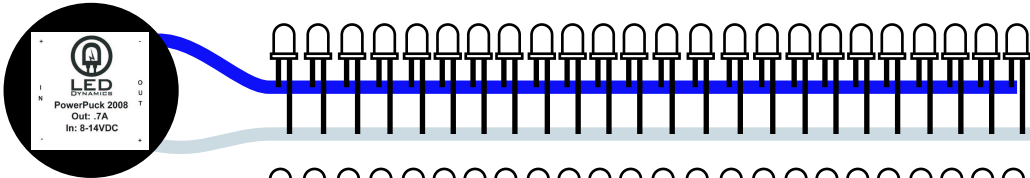
	30mA per LED	25mA per LED	20mA per LED	15mA per LED	10mA per LED
700mA PowerPuck	24 LEDs	28 LEDs	35 LEDs	47 LEDs	70 LEDs
350mA PowerPuck	12 LEDs	14 LEDs	18 LEDs	24 LEDs	35 LEDs

- Notes:
- 1. LEDs must be matched; They must all be the same color, and from the same manufacturer.
 - 2. When driving three strings of LEDs, the minimum PowerPuck input voltage is 12v.

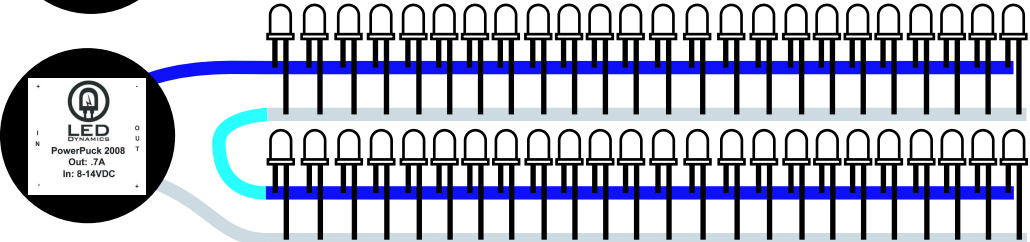
Minimum LED Calculation

700mA PowerPuck	350mA PowerPuck
700mA / 30mA = 23.3, round up to 24 LEDs	350mA / 30mA = 11.7, round up to 12 LEDs

One String



Two Strings



Three Strings

