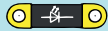


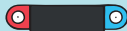
L150 CONNECTING A LIGHT BULB AND LED IN SERIES



1x LED



1x bulb



1x battery



1x



2x



1x switch



1x resistor 1kΩ

Connecting multiple appliances in a row. The same current flows through both appliances, but the battery voltage is divided between the two appliances. In our circuit, it is reflected in a low brightness of the bulb. In practice, a connection in series is used for the same appliances with the same consumption. One big disadvantage of connecting appliances in series is that the failure of any component will open the circuit, which you can simulate by unscrewing the bulb - the LED goes out.

