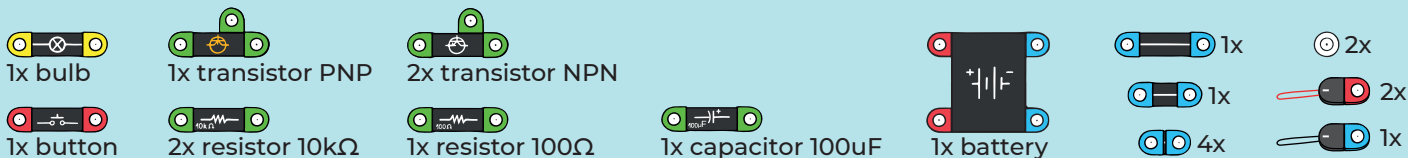


L570 NIGHT LIGHT AUTOMATIC SWITCH-OFF IV.



With the Schmitt circuit, you can improve the familiar switching off of the night light, which has the disadvantage that switch-off is not abrupt – the brightness slowly fades. The Schmitt circuit solves this with its step change, causing the light bulb to be either fully lit up or go out. Due to the connection method, the capacitor charging function is reversed. In the original instructions, the light went out when the capacitor was fully charged, and we then discharged it by pressing the button. Now, you can charge the capacitor by pressing the button and then let it gradually discharge. You can also improve the circuit with a transistor amplifier with a PNP transistor, which amplifies the output of the Schmitt circuit so much that we can use a light bulb instead of a LED diode.

