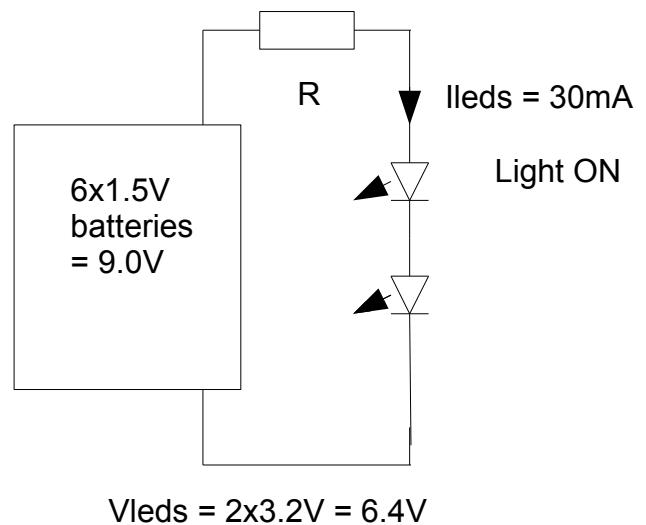
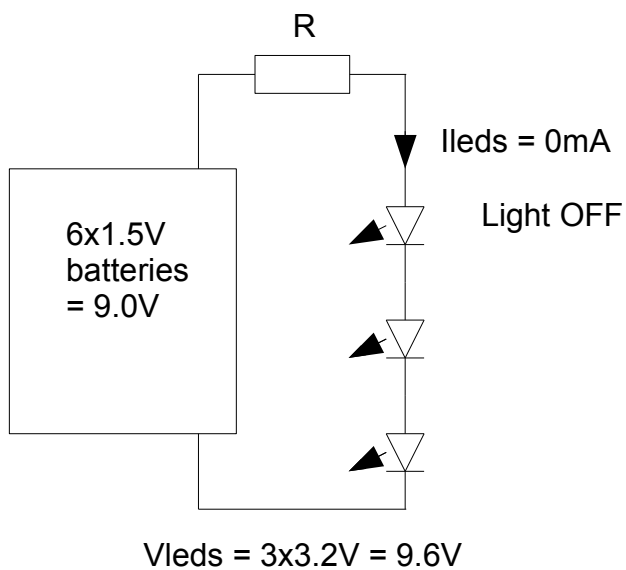
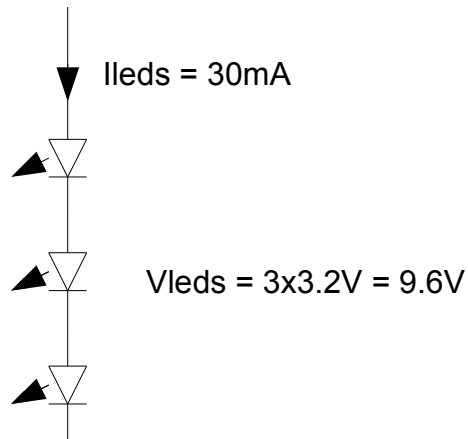
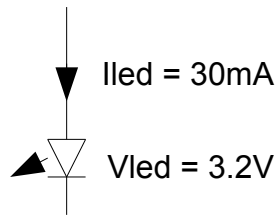


Led calculations

@ KAK 06.2011.

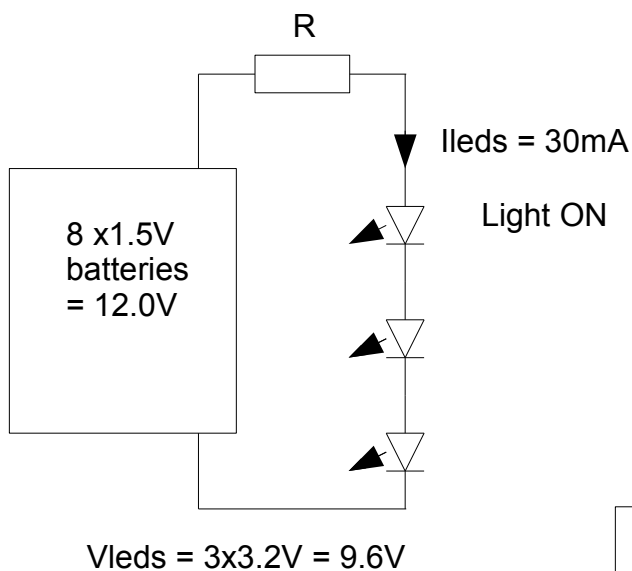


$$V_R = 9.0V - 6.4V = 2.6V$$

$$R = U/I \quad 2.6V / 0.03A = 86.7 \text{ Ohms}$$

$$P_R = 2.6V \times 0.03A = 0.078W = 78mW$$

Power dissipation in resistor



$$V_R = 12.0V - 9.6V = 2.4V$$

$$R = U/I \quad 2.4V / 0.03A = 80.0 \text{ Ohms}$$

$$P_R = 2.4V \times 0.03A = 0.072W = 72mW$$

