

Recalculating Shutter Speed with Solid ND Filters

ND Filter

Initial
Shutter
Speed

Calculating NEW Shutter Speed

3-Stop

1 sec

$$\begin{array}{c} \text{(3 stops of light)} \\ 1 \times 2 \times 2 \times 2 = 8 \text{ sec} \\ \text{L}_{(2)} \quad \text{L}_{(4)} \quad \text{L}_{(8)} \end{array}$$

6-Stop

1 sec

$$\begin{array}{c} \text{(6 stops of light)} \\ 1 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 = 64 \text{ sec} \\ \text{L}_{(2)} \quad \text{L}_{(4)} \quad \text{L}_{(8)} \quad \text{L}_{(16)} \quad \text{L}_{(32)} \quad \text{L}_{(64)} \quad (\sim 1 \text{ min}) \end{array}$$

10-Stop

1 sec

$$\begin{array}{c} \text{(10 stops of light)} \\ 1 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 = 1024 \text{ sec} \\ \text{L}_{(2)} \quad \text{L}_{(4)} \quad \text{L}_{(8)} \quad \text{L}_{(16)} \quad \text{L}_{(32)} \quad \text{L}_{(64)} \quad \text{L}_{(128)} \quad \text{L}_{(256)} \quad \text{L}_{(512)} \quad \text{L}_{(1024)} \quad (\sim 17 \text{ mins}) \end{array}$$

