

'Stop of Light' Scale 1/3 Stop Increments

Shutter Speed (time) in fractions of a second

2 2.5 3 4 5 6 8 10 13 15 20 25 30 40 50 60 80 100 125 160 200 250 320 400 500 640 800 1000 1250 1600 2000 2500 3200 4000 5000 6400 8000

← Longer, more time

fractions of a second 1/n

→ Shorter, less time

Shutter Speed (time) in whole seconds

1" 1.3" 1.6" 2" 2.5" 3" 4" 5" 6" 8" 10" 13" 15" 20" 25" 30"

← Shorter, less time

whole seconds

→ Longer, more time

F-stops (amount)

1.4 1.6 1.8 2 2.2 2.5 2.8 3.2 3.5 4 4.5 5 5.6 6.3 7.1 8 9 10 11 13 14 16 18 20 22 25 29 32 36 40 45

← More Light

The distance between each number is 1/3 stop of light.

→ Less Light

No matter where you begin, the distance between each third number is one stop.

'Stop of Light' Scale 1/2 Stop Increments

Shutter Speed (time) in fractions of a second

2 3 4 6 8 10 15 20 30 45 60 90 125 180 250 350 500 750 1000 1500 2000 3000 4000 6000 8000

← Longer, more time

fractions of a second 1/n

→ Shorter, less time

Shutter Speed (time) in whole seconds

1" 1.5" 2" 3" 4" 6" 8" 12" 15" 22" 30"

← Shorter, less time

whole seconds

→ Longer, more time

F-stops (amount)

(1.8) (2.5) (3.5) (4.5)
1.0 1.2 1.4 1.7* 2 2.4* 2.8 3.3* 4 4.8* 5.6 6.7 8 9.5 11 13 16 19 22 27 32 38 45 54 64 76 90

← More Light

**some stops differ slightly with Canon brand cameras, as noted above*

→ Less Light

*The distance between each number is 1/2 stop of light.
No matter where you begin, the distance between each second number is one stop.*