

# THE BRIGHTNESS SQUARE

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higher number - brighter image



EV15 | ... | EV10 | ... | EV5 | ... | EV0 | ... | EV-5

1EV

scene luminance (brightness)



1

aperture (opening)



2

1EV

1EV

ISO (gain)



4

3



shutter speed (exposure time)

1EV

... 25600 | 12800 | 6400 | 3200 | 1600 | 800 | 400 | 200 | 100 | ...

1EV

1EV

1EV

1EV

1EV

1EV

1EV

1EV

1EV

1EV

1EV

1EV

1EV

1EV

1EV

1EV



longer time - motion blur

shorter time - darker image

## Image Brightness has 4 components

Three of which really expose your camera sensor to more light and the fourth (ISO) is the gain that is applied after exposing the sensor.

**1EV (Exposure Value = "Stop")** of either component will double the brightness of your image.

more info on: [exposure-triangle.com](http://exposure-triangle.com)

lower number - darker image

higher number - more noise

lower number - background blur

higher number - darker image