

exposure controls

f/stop	f 2	2.8	4	5.6	8	11	16	22
	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*
shutter speed	1/4000 (of a second)	1/2000	1/1000	1/500	1/250	1/125	1/60	1/30

EXPOSURE WITH 50 ISO FILM

The lens aperture (f/stop) and shutter speed work together to control exposure. Open the lens one “stop”, say from f5.6 to f4, twice as much light will hit the film. To keep the exposure the same, and you have to double the shutter speed, in this case from 1/1000th to 1/2000 of a second. If you load a film that is twice sensitive to light - 100 ISO instead of 50 ISO - you have to make the same adjustment to your aperture or shutter speed.

f/stop	f 2	2.8	4	5.6	8	11	16	22
	*	*	*	*	*	*	*	*
	*	*	*	*	*	*	*	*
shutter speed	1/8000 (of a second)	1/4000	1/2000	1/1000	1/500	1/250	1/125	1/60

EXPOSURE WITH 100 ISO FILM

*“Sunny 16 rule”: Exposure in bright sunlight is f16 @ 1/ISO