

Changing the amount of captured light by 57 stops with your camera settings :)

ISO vs. F-stop vs. Shutter speed = amount of measured light

	going down	ISO/ASA	F-stop	Shutter	going up	
0	0 stop	11000	0.7	130 sec	+ 19 stop	76
1	- 1/3	10000	0.79	112 sec.	+ 2/3	75
2	- 1/2	9000	0.84	96 sec.	+ 1/2	74
3	- 2/3	8000	0.89	80 sec.	+ 1/3	73
4	- 1 stop	6400	1.0	64 sec.	+ 18 stop	72
5	- 1/3	5000	1.1	56 sec	+ 2/3	71
6	- 1/2	4400	1.2	48 sec.	+ 1/2	70
7	- 2/3	4000	1.2	40 sec.	+ 1/3	69
8	- 2 stop	3200	1.4	32 sec.	+ 17 stop	68
9	- 1/3	2500	1.6	28 sec.	+ 2/3	67
10	- 1/2	2200	1.7	24 sec.	+ 1/2	66
11	- 2/3	2000	1.8	20 sec.	+ 1/3	65
12	- 3 stop	1600	2.0	16 sec.	+ 16 stop	64
13	- 1/3	1250	2.2	14 sec.	+ 2/3	63
14	- 1/2	1100	2.4	12 sec.	+ 1/2	62
15	- 2/3	1000	2.5	10 sec.	+ 1/3	61
16	- 4 stop	800	2.8	8 sec.	+ 15 stop	60
17	- 1/3	640	3.2	7 sec.	+ 2/3	59
18	- 1/2	560	3.3	6 sec.	+ 1/2	58
19	- 2/3	500	3.5	5 sec.	+ 1/3	57
20	- 5 stop	400	4.0	4 sec.	+ 14 stop	56
21	2/3	320	4.5	3.6 sec.	+ 2/3	55
22	1/2	280	4.8	3 sec.	+ 1/2	54
23	1/3	250	5	2.5 sec.	+ 1/3	53
24	- 6 stop	200	5.6	2 sec.	+ 13 stop	52
25	- 1/3	160	6.3	1.8 sec	+ 2/3	51
26	- 1/2	140	6.7	1.5 sec.	+ 1/2	50
27	- 2/3	125	7.1	1.2 sec	+ 1/3	49
28	- 7 stop	100	8	1 sec.	+ 12 stop	48
29	- 1/3	80	9	1/12	+ 2/3	47
30	- 1/2	70	9.5	1/15	+ 1/2	46
31	- 2/3	64	10	1/18	+ 1/3	45
32	- 8 stop	50	11	1/2	+ 11 stop	44
33	- 1/3	40	13	1/25	+ 2/3	43
34	- 1/2	35	13	1/3	+ 1/2	42
35	- 2/3	32	14	1/35	+ 1/3	41
36	- 9 stop	25	16	1/4	+ 10 stop	40
37	- 1/3	20	18	1/5	+ 2/3	39
38	- 1/2	16	19	1/6	+ 1/2	38
39	- 2/3	15	20	1/7	+ 1/3	37
40	- 10 stop	12	22	1/8	+ 9 stop	36
41	- 1/3	10	25	1/10	+ 2/3	35
42	- 1/2	8,0	27	1/12	+ 1/2	34
43	- 2/3	7.5	29	1/13	+ 1/3	33

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44	- 11 stop	6	32	1/15	+ 8 stop	32
45	- 1/3	5	36	1/20	+ 2/3	31
46	- 1/2	4	38	1/24	+ 1/2	30
47	- 2/3	3.6	40	1/25	+ 1/3	29
48	- 12 stop	3	45	1/30	+ 7 stop	28
49	- 1/3	2.5	51	1/40	+ 2/3	27
50	- 1/2	2	54	1/48	+ 1/2	26
51	- 2/3	1.8	57	1/50	+ 1/3	25
52	- 13 stop	1.5	64	1/60	+ 6 stop	24
53	- 1/3	1.3	72	1/80	+ 2/3	23
54	- 1/2	1	76	1/96	+ 1/2	22
55	- 2/3	0.9	80	1/100	+ 1/3	21
56	- 14 stop	0.75	90	1/125	+ 5 stop	20
57	- 1/3	0.65	102	1/160	+ 2/3	19
58	- 1/2	0.5	108	1/190	+ 1/2	18
59	- 2/3	0.45	115	1/200	+ 1/3	17
60	- 15 stop	0.37	128	1/250	+ 4 stop	16
61	- 1/3	0.33	145	1/320	+ 2/3	15
62	- 1/2	0.25	152	1/380	+ 1/2	14
63	- 2/3	0.22	160	1/400	+ 1/3	13
64	- 16 stop	0.18	180	1/500	+ 3 stop	12
65	- 1/3	0.16	205	1/640	+ 2/3	11
66	- 1/2	0.12	215	1/750	+ 1/2	10
67	- 2/3	0.11	230	1/800	+ 1/3	9
68	- 17 stop	0.09	256	1/1000	+ 2 stop	8
69	- 1/3	0.08	290	1/1250	+ 2/3	7
70	- 1/2	0.06	305	1/1500	+ 1/2	6
71	- 2/3	0.05	320	1/1600	+ 1/3	5
72	- 18 stop	0.045	360	1/2000	+ 1 stop	4
73	- 1/3	0.04	410	1/2500	+ 2/3	3
74	- 1/2	0.03	430	1/3000	+ 1/2	2
75	- 2/3	0.025	460	1/3200	+ 1/3	1
76	- 19 stop	0.02	512	1/4000	0 stop	0
	going down	ISO/ASA	F-stop	Shutter	going up	

If you go down within one of the columns, you'll decrease the amount of light.

If you go up within one of the columns, you'll increase the amount of light.

Going up or down within one single column from colour to colour (= 4 steps) is one full stop

Going up or down within two of the columns from colour to colour (= 4 steps) is two full stop

Going up or down within all three columns from colour to colour (= 4 steps) is three full stop

Going up x steps in one column and x steps down in another column will compensate (= 0 stop)

Each column is a total of 19 stops, so all three columns combined is a maximum of 57 stops.