

F-Numbers to F-Stops Ratio

Full Stops (switching between these F-Numbers reduced light by 1 full stop of light)	1/2 Stop (switching between these F-Numbers reduced light by 1/2 stop of light)	1/3 Stop (switching between these F-Numbers reduced light by 1/3 stop of light)
2.8	2.8	2.8
		3.2
	3.3	
		3.5
4	4	4
		4.5
	4.8	
		5
5.6	5.6	5.6
		6.3
	6.7	
		7.1
8	8	8
		9
	9.5	
		10
11	11	11
	13	13
		14
16	16	16
		18
	19	
		20
22	22	22

Key		
Wide (Fast) Apertures (F-Numbers that let in more light and reduce depth of field)	Medium Apertures (F-Numbers that let in average light and have average depth of field)	Small (Slow) Apertures (F-Numbers that let in less light and increase depth of field)