

f/stop Timing Table [s]

by Ralph W. Lambrecht

Determine the base print exposure time, rendering significant print highlights to your satisfaction, and find this 'Base Exp' in the center column. Base exposure times are incremented in 1 stop (black), 1/3 stop (dark grey), 1/6 stop (light grey) and 1/12 stops. After adjusting overall print contrast, rendering significant print shadows as desired, find related dodging and burning times in 1/6 stop increments left and right to the base exposure to fine-tune the final print.

Example: Assuming a basic print exposure time of 25.4s, exposure is held back locally for 5.2s to dodge an area for a 1/3 stop, and a 10.5s exposure is added locally to apply a 1/2 stop burn-in. Only base exposure time and f/stop modifications are added to the print record.

Dodging [f/stop]						Base Exp	Burning [f/stop]												
-1	-5/6	-2/3	-1/2	-1/3	-1/6		+1/6	+1/3	+1/2	+2/3	+5/6	+1	+1 1/3	+1 2/3	+2	+2 1/3	+2 2/3	+3	
-4.0	-3.5	-3.0	-2.3	-1.7	-0.9	8	1.0	2.1	3.3	4.7	6.3	8.0	12.2	17.4	24.0	32.3	42.8	56.0	
-4.2	-3.7	-3.1	-2.5	-1.7	-0.9	8.5	1.0	2.2	3.5	5.0	6.6	8.5	12.9	18.4	25.4	34.2	45.3	59.3	
-4.5	-3.9	-3.3	-2.6	-1.9	-1.0	9.0	1.1	2.3	3.7	5.3	7.0	9.0	13.6	19.5	26.9	36.3	48.0	62.9	
-4.8	-4.2	-3.5	-2.8	-2.0	-1.0	9.5	1.2	2.5	3.9	5.6	7.4	9.5	14.5	20.7	28.5	38.4	50.9	66.6	
-5.0	-4.4	-3.7	-3.0	-2.1	-1.1	10.1	1.2	2.6	4.2	5.9	7.9	10.1	15.3	21.9	30.2	40.7	53.9	70.6	
-5.3	-4.7	-4.0	-3.1	-2.2	-1.2	10.7	1.3	2.8	4.4	6.3	8.3	10.7	16.2	23.2	32.0	43.1	57.1	74.8	
-5.7	-5.0	-4.2	-3.3	-2.3	-1.2	11.3	1.4	2.9	4.7	6.6	8.8	11.3	17.2	24.6	33.9	45.7	60.5	79.2	
-6.0	-5.3	-4.4	-3.5	-2.5	-1.3	12.0	1.5	3.1	5.0	7.0	9.4	12.0	18.2	26.1	36.0	48.4	64.1	83.9	
-6.3	-5.6	-4.7	-3.7	-2.6	-1.4	12.7	1.6	3.3	5.3	7.5	9.9	12.7	19.3	27.6	38.1	51.3	67.9	88.9	
-6.7	-5.9	-5.0	-3.9	-2.8	-1.5	13.5	1.6	3.5	5.6	7.9	10.5	13.5	20.4	29.3	40.4	54.4	72.0	94.2	
-7.1	-6.3	-5.3	-4.2	-2.9	-1.6	14.3	1.7	3.7	5.9	8.4	11.1	14.3	21.7	31.0	42.8	57.6	76.3	99.8	
-7.6	-6.6	-5.6	-4.4	-3.1	-1.6	15.1	1.8	3.9	6.3	8.9	11.8	15.1	23.0	32.8	45.3	61.0	80.8	106	
-8.0	-7.0	-5.9	-4.7	-3.3	-1.7	16	2.0	4.2	6.6	9.4	12.5	16.0	24.3	34.8	48.0	64.6	85.6	112	
-8.5	-7.4	-6.3	-5.0	-3.5	-1.8	17.0	2.1	4.4	7.0	10.0	13.3	17.0	25.8	36.9	50.9	68.5	90.7	119	
-9.0	-7.9	-6.6	-5.3	-3.7	-2.0	18.0	2.2	4.7	7.4	10.5	14.0	18.0	27.3	39.1	53.9	72.6	96.1	126	
-9.5	-8.3	-7.0	-5.6	-3.9	-2.1	19.0	2.3	4.9	7.9	11.2	14.9	19.0	28.9	41.4	57.1	76.9	102	133	
-10.1	-8.8	-7.5	-5.9	-4.2	-2.2	20.2	2.5	5.2	8.4	11.8	15.8	20.2	30.6	43.8	60.5	81.4	108	141	
-10.7	-9.4	-7.9	-6.3	-4.4	-2.3	21.4	2.6	5.6	8.8	12.5	16.7	21.4	32.5	46.4	64.1	86.3	114	150	
-11.3	-9.9	-8.4	-6.6	-4.7	-2.5	22.6	2.8	5.9	9.4	13.3	17.7	22.6	34.4	49.2	67.9	91.4	121	158	
-12.0	-10.5	-8.9	-7.0	-4.9	-2.6	24.0	2.9	6.2	9.9	14.1	18.7	24.0	36.4	52.1	71.9	96.8	128	168	
-12.7	-11.1	-9.4	-7.4	-5.2	-2.8	25.4	3.1	6.6	10.5	14.9	19.9	25.4	38.6	55.2	76.2	103	136	178	
-13.5	-11.8	-10.0	-7.9	-5.6	-2.9	26.9	3.3	7.0	11.1	15.8	21.0	26.9	40.9	58.5	80.7	108	144	188	
-14.3	-12.5	-10.5	-8.4	-5.9	-3.1	28.5	3.5	7.4	11.8	16.7	22.3	28.5	43.3	62.0	85.5	115	153	200	
-15.1	-13.3	-11.2	-8.8	-6.2	-3.3	30.2	3.7	7.9	12.5	17.7	23.6	30.2	45.9	65.7	90.6	122	162	211	
-16.0	-14.0	-11.8	-9.4	-6.6	-3.5	32	3.9	8.3	13.3	18.8	25.0	32.0	48.6	69.6	96.0	129	171	224	
-17.0	-14.9	-12.5	-9.9	-7.0	-3.7	33.9	4.2	8.8	14.0	19.9	26.5	33.9	51.5	73.7	103	137	181	237	
-18.0	-15.8	-13.3	-10.5	-7.4	-3.9	35.9	4.4	9.3	14.9	21.1	28.1	35.9	54.6	78.1	108	145	192	251	
-19.0	-16.7	-14.1	-11.1	-7.9	-4.2	38.1	4.7	9.9	15.8	22.4	29.8	38.1	57.8	82.8	114	154	204	266	
-20.2	-17.7	-14.9	-11.8	-8.3	-4.4	40.3	4.9	10.5	16.7	23.7	31.5	40.3	61.3	87.7	121	163	216	282	
-21.4	-18.7	-15.8	-12.5	-8.8	-4.7	42.7	5.2	11.1	17.7	25.1	33.4	42.7	64.9	92.9	128	173	229	299	
-22.6	-19.9	-16.7	-13.3	-9.3	-4.9	45.3	5.5	11.8	18.7	26.6	35.4	45.3	68.8	98.4	136	183	242	317	
-24.0	-21.0	-17.7	-14.0	-9.9	-5.2	47.9	5.9	12.5	19.9	28.2	37.5	47.9	72.9	104	144	194	257	336	
-25.4	-22.3	-18.8	-14.9	-10.5	-5.5	50.8	6.2	13.2	21.0	29.8	39.7	50.8	77.2	111	152	205	272	356	
-26.9	-23.6	-19.9	-15.8	-11.1	-5.9	53.8	6.6	14.0	22.3	31.6	42.1	53.8	81.8	117	162	217	288	377	
-28.5	-25.0	-21.1	-16.7	-11.8	-6.2	57.0	7.0	14.8	23.6	33.5	44.6	57.0	86.7	124	171	230	305	399	
-30.2	-26.5	-22.4	-17.7	-12.5	-6.6	60.4	7.4	15.7	25.0	35.5	47.2	60.4	91.8	131	181	244	323	423	
-32.0	-28.1	-23.7	-18.7	-13.2	-7.0	64	7.8	16.6	26.5	37.6	50.0	64.0	97.3	139	192	259	342	448	