

How to use the next pages for sunlight based pinhole pictures

The next page is for light meter to pinhole time. The following page the suggested reciprocity failure correction for most black and white films made. This table is for shutter open time for the picture that includes reciprocity failure correction for the film in the PinPLUS Camera.

- Light meter readings reflect the pinhole cameras operation by same by setting the light meter to A.S.A. Or ISO as the film in the pinhole camera. Also by setting the light meter to 1/125 of a second. The tables on the next page gives the difference in f-stop between the light meter reading and the pinhole camera and "lens" f-stop. The other table has the new shutter open time for the f-stop difference. The last page has the reciprocity failure correction for the film.
- To use Sunlight Table next page. First set your light meter to 1/125 of a second.
 - Second set you light meter to A.S.A. or ISO as the film in PinPLUS Camera.
 - Third take a reading of the light falling on your subject.
 - On the next page find the f-stop of your PinPLUS camera. Now find the f-stop reading from your light meter. At the row and column crossing point is the f-stop difference between 1/125 a second and your PinPLUS Camera.
 - Using the f-stop difference value, go to the 1/125 column and find the f-stop difference value. To the far right is the time difference required for the higher f-stop of the PinPLUS camera.
- Reciprocity failure correction for the film you are using.
 - From the last page use the time difference value.
 - Where row and column cross the corrected time with reciprocity failure included.
 - This is the shutter open time.
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- NOTE! The shutter open time can vary +/- 2 stops due to film development, differences of light objects to shadow detail, and personal artistic differences. The shutter open time from the tables were used for all the black and white sunlight lit pictures in this web site.

Experiment that is what an pinhole camera is about.

Tables for sunlight pictures, Reciprocity Failure not included for picture time.

1.0	-15	-16	-17	-18	-19	-20	-21	-22	13	14	15	256
1.4	-14	-15	-16	-17	-18	-19	-20	-21	12	13	14	128
2.0	-13	-14	-15	-16	-17	-18	-19	-20	11	12	13	64
2.8	-12	-13	-14	-15	-16	-17	-18	-19	10	11	12	32
4.0	-11	-12	-13	-14	-15	-16	-17	-18	9	10	11	16
5.6	-10	-11	-12	-13	-14	-15	-16	-17	8	9	10	8
8.0	-9	-10	-11	-12	-13	-14	-15	-16	7	8	9	4
11	-8	-9	-10	-11	-12	-13	-14	-15	6	7	8	2
16	-7	-8	-9	-10	-11	-12	-13	-14	5	6	7	1
22	-6	-7	-8	-9	-10	-11	-12	-13	4	5	6	1/2
32	-5	-6	-7	-8	-9	-10	-11	-12	3	4	5	1/4
45	-4	-5	-6	-7	-8	-9	-10	-11	2	3	4	1/8
64	-3	-4	-5	-6	-7	-8	-9	-10	1	2	3	1/15
90	-2	-3	-4	-5	-6	-7	-8	-9	1/30	1	2	1/30
120	-1	-2	-3	-4	-5	-6	-7	-8	-1	1/60	1	1/60
180	180	-1	-2	-3	-4	-5	-6	-7	-2	-1	1/125	1/125
250	1	250	-1	-2	-3	-4	-5	-6	-3	-2	-1	1/250
360	2	1	360	-1	-2	-3	-4	-5	-4	-3	-2	1/500
500	3	2	1	500	-1	-2	-3	-4	Time change difference in f-stops			
720	4	3	2	1	720	-1	-2	-3				
1000	5	4	3	2	1	1000	-1	-2	Use same film ASA value for both tables			
1400	6	5	4	3	2	1	1400	-1				
2000	7	6	5	4	3	2	1	2000				

f-stop change difference for one f-stop to another f-stops

Table for Reciprocity Falure for sunlight pictures

Black & White Films	Seconds																			
	1	2	3	4	5	6	7	8	9	10	20	30	40	50	60	70	80	90	100	
															1m	1m10	1m20	1m30	1m40	
Kodak																				
Plus-X	1.87	3.73	8.06	13.93	21.28	23.00	30.12	38.05	44.75	50.12	1m57	3m22	4m53	6m53	9m07	11m34	14m13	17m02	20m02	
T-MAX Pro 100	1.12	2.23	3.58	4.99	6.47	7.99	9.56	11.16	12.79	14.45	32.30	51.70	1m12	1m33	1m56	2m18	2m41	3m05	3m29	
T-MAX Pro 400	1.18	2.36	3.91	5.58	7.36	9.22	11.17	13.18	15.25	17.38	41.05	1m08	1m37	2m08	2m40	3m14	3m49	4m25	5m02	
T-MAX Pro 3200	1.23	2.46	4.17	6.06	8.10	10.27	12.55	14.93	17.40	19.95	49.13	1m23	2m01	2m42	3m25	4m10	4m58	5m47	6m38	
Tri-X	1.87	3.73	8.06	13.93	21.28	23.00	30.12	38.05	44.75	50.12	1m57	3m22	4m53	6m53	9m07	11m34	14m13	17m02	20m02	
T400CN	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	20.00	30.00	40.00	50.00	1m	1m10	1m20	1m30	1m40	
Ilford																				
Delta 400 Pro	1.39	2.79	5.08	7.78	10.83	14.18	17.81	21.71	25.84	30.20	1m24	2m34	3m55	5m27	7m08	8m58	10m56	13m00	15m12	
Delta 3200 Pro	1.39	2.79	5.08	7.78	10.83	14.18	17.81	21.71	25.84	30.20	1m24	2m34	3m55	5m27	7m08	8m58	10m56	13m00	15m12	
FP4 Plus	1.39	2.79	5.08	7.78	10.83	14.18	17.81	21.71	25.84	30.20	1m24	2m34	3m55	5m27	7m08	8m58	10m56	13m00	15m12	
HP5 Plus	1.39	2.79	5.08	7.78	10.83	14.18	17.81	21.71	25.84	30.20	1m24	2m34	3m55	5m27	7m08	8m58	10m56	13m00	15m12	
Pan 100	1.39	2.79	5.08	7.78	10.83	14.18	17.81	21.71	25.84	30.20	1m24	2m34	3m55	5m27	7m08	8m58	10m56	13m00	15m12	
Pan 400	1.39	2.79	5.08	7.78	10.83	14.18	17.81	21.71	25.84	30.20	1m24	2m34	3m55	5m27	7m08	8m58	10m56	13m00	15m12	
Pan F Plus	1.39	2.79	5.08	7.78	10.83	14.18	17.81	21.71	25.84	30.20	1m24	2m34	3m55	5m27	7m08	8m58	10m56	13m00	15m12	
XP2 Super	1.39	2.79	5.08	7.78	10.83	14.18	17.81	21.71	25.84	30.20	1m24	2m34	3m55	5m27	7m08	8m58	10m56	13m00	15m12	
Ortho 100	1.29	2.58	4.50	6.68	9.07	11.64	14.38	17.27	20.29	23.44	1m01	1m46	2m37	3m33	4m33	5m37	6m45	7m56	9m10	
Agfa Pan																				
APX 25	1.23	2.46	4.17	6.06	8.10	10.27	12.55	14.93	17.40	19.95	49.13	1m23	2m01	2m42	3m25	4m10	4m58	5m47	6m38	
APX 100 4x5	1.87	3.73	8.06	13.93	21.28	23.00	30.12	38.05	44.75	50.12	1m57	3m22	4m53	6m53	9m07	11m34	14m13	17m02	20m02	
APX 400	1.87	3.73	8.06	13.93	21.28	23.00	30.12	38.05	44.75	50.12	1m57	3m22	4m53	6m53	9m07	11m34	14m13	17m02	20m02	
Scala 200X 4x5 only	1.23	2.46	4.17	6.06	8.10	10.27	12.55	14.93	17.40	19.95	49.13	1m23	2m01	2m42	3m25	4m10	4m58	5m47	6m38	

Fuji Neopan 400 no information Neopan 1600 no information Kodak T400CN to 120 seconds no added time requierd	Polaroid Polapan400 type 72 30 seconds max exposure PolapanPN type 55 no information Polapan type 52 no information Polapan PRO Type 54 10 seconds max exposure	HueCandela.com Prepared to best fit curve from manufactures data sheets
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