

Corrected f/stop Tables

Reciprocity Failure Tables

For PinPLUS 64 mm Cameras

HueCandela.com

PinPLUS Picture Taking is a simple task.

One Set the light meter at the ASA of the film.

Two Take a light meter reading at 1/125 of a second.

Three Use f/250 table or the f/stop table that meets your final print requirements.

Four Find the f-stop value on the table. Below the f-stop is the uncorrected time for the picture.

Five On the reciprocity failure tables, find the table that includes the uncorrected seconds and film type. The value below the uncorrected time is the corrected **seconds** required for the **shutter open time**, with film's reciprocity failure included.

Six Is the **shutter open time** acceptable?
Is the landscape moving acceptable?
Is the subject moving acceptable?
Is the lighting source equal through the picture?
Can the camera be stable for the
shutter open time?

Seven If the answers to the previous questions are yes, then lighting conditions are compatible for your PinPLUS camera picture. Note! Equal lighting source gives best negative contrast and sharpness, especially when film is in reciprocity failure.

Eight Camera operations:

- a. Set up the tripod with camera
- b. Point camera at subject [Due to the pinhole no glass focusing is available. **PinPLUS** viewfinders can assist in finding the field of view]
- c. Close shutter.
- d. Load film holder into camera.
- e. Pull out film slide.
- f. Open shutter for **shutter open time**.
- g. Return film slide.

PinPLUS 64mm camera with 0.014 pinhole

No color dot on pinhole assembly indicates a 0.014 pinhole in assembly.

To find the corrected exposure time: set the light meter to **1/125 second shutter time** and to the **ASA of the film** being used, take light meter reading, find reading value in the table below in **f-stop** row, beneath in the **seconds** row is the uncorrected time for **f-180** lens, use uncorrected time with the **Reciprocity Failure Tables** for film's reciprocity failure correction, and use this new corrected timing value for shutter open time for the picture.

f-stop	2.0	2.05	2.8	2.85	4.0	4.05	5.6
seconds	32	24	16	12	8.0	6.0	4.0

f-stop	5.65	8.0	8.05	11	115	16	22	32
seconds	3.0	2.0	1.5	1.0	0.7	0.5	0.25	0.125

PinPLUS 64mm camera with 0.010 pinhole

Gold color dot on pinhole assembly indicates a 0.010 pinhole in assembly.

To find the corrected exposure time: set the light meter to **1/125 second shutter time** and to the **ASA of the film** being used, take light meter reading, find reading value in the table below in **f-stop** row, beneath in the **seconds** row is the uncorrected time for **f-250** lens, use uncorrected time with the **Reciprocity Failure Tables** for film's reciprocity failure correction, and use this new corrected timing value for **shutter open time** for the picture.

f-stop	2.0	2.05	2.8	2.85	4.0	4.05	5.6
seconds	64	48	32	24	16	12	8.0

f-stop	5.65	8.0	8.05	11	11.5	16	22	32
seconds	6.0	4.0	3.0	2.0	1.5	1.0	0.5	0.25

PinPLUS 64mm camera with 0.007 pinhole

Violet color dot on pinhole assembly indicates a 0.007 pinhole in assembly.

To find the corrected exposure time: set the light meter to **1/125 second shutter time** and to the **ASA of the film** being used, take light meter reading, find reading value in the table below in **f-stop** row, beneath in the **seconds** row is the uncorrected time for **f-360** lens, use uncorrected time with the **Reciprocity Failure Tables** for film's reciprocity failure correction, and use this new corrected timing value for **shutter open time** for the picture.

f-stop	2.0	2.05	2.8	2.85	4.0	4.05	5.6
seconds	128	96	64	48	32	24	16

f-stop	5.65	8.0	8.05	11	115	16	22	32
seconds	12	8.0	6.0	4.0	3.0	2.0	1.0	0.5

Reciprocity Failure 1 – 4 seconds

Film	1sec	1.5s	2sec	3sec	4sec
Kodak Plus-X, Tri-X Agfa Pan APX 100 Agfa Pan APX 400	2.0	2.2	3.7	8.1	13.9
Kodak T-Max Pro 100	1.1	1.6	2.2	3.6	5.6
Kodak T-Max Pro 400 Agfa Pan APX 25 Agfa Scala 200X	1.2	1.7	2.4	3.9	5.6
Kodak T-Max Pro 3200	1.2	1.7	2.5	4.2	6.1
Iford all B&W Negative films	1.4	1.8	2.8	5.1	7.8

Reciprocity Failure 6 – 24 seconds

Film	6sec	8sec	12sec	16sec	24sec
Kodak Plus-X, Tri-X Agfa Pan APX 100 Agfa Pan APX 400	25.0	38.5	52.0	1m15	2m14
Kodak T-Max Pro 100	8.0	11.2	17.9	24.9	39.9
Kodak T-Max Pro 400 Agfa Pan APX 25 Agfa Scala 200X	9.2	13.2	21.8	31.1	51.5
Kodak T-Max Pro 3200	10.3	15.0	25.3	36.8	1m02
Iford all B&W negative films	14.2	21.7	39.5	60.0	1m50

Reciprocity Failure 32 - 128 seconds

Film	32sec	48sec	64sec	96sec	128 sec
Kodak Plus-X, Tri-X Agfa Pan APX 100 Agfa Pan APX 400	3m20	6m39	10m05	18m19	29m19
Kodak T-Max Pro 100	55.7	1m30	2m05	3m19	4m39
Kodak T-Max Pro 400 Agfa Pan APX 25 Agfa Scala 200X	1m14	2m18	2m53	4m46	6m50
Kodak T-Max Pro 3200	1m31	2m34	3m42	6m17	9m09
Ilford all B&W negative films	2m49	5m08	7m51	14m19	21m54