

Pinhole Camera Exposure Durations

METER AT ISO 100

F/165

Recommended to use a meter for exposure calculations – all exposures adjusted for metering at ISO 100

F/165

Fomapan 100	Fuji Neopan Acros 100	Ilford B&W 100	Kodak Ektar 100	Fuji Velvia 100	Fuji Velvia 50	Kodak Portra 160
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With Reciprocity Failure

Exposure Value	Time for f/22	F/165	RF	RF	RF	RF	RF	RF	RF
At ISO 100	1/1000	1/15				← not recommended (too fast)			
	1/500	1/8							
	1/250	1/4							
	1/125	1/2							
15	1/60	1 s	1 s	1 s	1 s	1.4 s	1 s	2 s	1 s
14	1/30	2 s	9 s	2 s	4 s	3 s	2 s	5 s	3 s
13	1/15	4 s	24 s	4 s	9 s	6 s	4 s	12 s	8 s
12	1/8	7 s	53 s	7 s	20 s	13 s	7 s	28 s	17 s
11	1/4	14 s	2 m	14 s	51 s	29 s	14 s	66 s	43 s
10	1/2	29 s	5 m	29 s	2 m	66 s	29 s	2.5 M	1 m 56 s
9	1 s	58 s	12 m	58 s	8 m	2 m 30 s	58 s	4 m 50 s	5m
8	2 s	2 m	32 m	2.5 m	27 m	6 m	2 m 40 s	10 m	13 m 24s
7	4 s	4 m	2 h	5 m	2 h	14 m	6 m	22 m	34 m
6	8 s	8 m	6 h	10 m	6 h	33 m	13 m 40 s	37 m	1 h 28 m
5	15 s	14 m	18 h	19 m	22 h	1 h 15 m	44 m	1 h 15 m	3 h 9 m
4	30 s	29 m	69 h	43 m	88 h	3 h	1 h	2 h 30 m	4 h 28 m
3	1 m	58 m	270 h	80 m	348 h	7 h	2 h 6 m	5 h 30 m	11 h 29m
2	2 m	2 h	1066 h	3 h	1390 h	17 h 30 m	4h 40 m	13 h	30 h 52 m

NOTES:

Adapted from exposure charts created by:

Pinhole Designer application: <http://www.pinhole.cz/en/pinholedesigner/>