



Exposure Guide For MP-4 System and Polaroid Land Films

The MP-4 lamps and lamp arms should be positioned and angled for regular copying work, as indicated on the equipment and in the instruction book.

This is intended as a guide, and not a precise exposure indicator. You may have to compensate for unpredictable variables which affect exposure, such as the brightness of window or room lighting, differences in color or contrast of the subject material, voltage fluctuations, and the age of the lamps.

How to use the tables:

Table A: Find the number that applies to the film you are using.

Table B: Measure the length of the material being copied and the length of its focused image on the ground glass, to determine the reproduction scale. Find the appropriate number in the table.

Table C: Decide which lens f-number you wish to use. Find the number that corresponds to that f-number.

Table D: Add the numbers you have taken from A, B and C. Find the number in Table D that represents this total; next to it you will see the recommended shutter speed.

If your total has a 1/2 in it, use the next higher full number in Table D.

Note: The numbers given here are for the MP-4 Standard Model; if you are using a Model XLR or XL, add "1" to your total.

Type

TABLE A: Film Speed*

	3000 ASA, 36 DIN, ISO 3000/36°	1
53	800 ASA, 30 DIN, ISO 800/30°	3
52	400 ASA, 27 DIN, ISO 400/27°	4
	200 ASA, 24 DIN, ISO 200/24°	5
54	100 ASA, 21 DIN, ISO 100/21°	6
	75 ASA, 20 DIN, ISO 75/20°	6 1/2
	50 ASA, 18 DIN, ISO 50/18°	7
	25 ASA, 15 DIN, ISO 25/15°	8

*Approximate ASA/DIN/ISO equivalents.

TABLE B: Reproduction Scale

	1:10 to 1:5	1
	1:4 to 1:2	2
	1:1	3
	1.5X	3 1/2
105	2X	4
	3X	5
	4X	5 1/2
35mm	5X	6
	6X	6 1/2
	7X, 8X	7
	9X, 10X	8

TABLE C: Lens Aperture

	f/4.5	1/2
	f/5.6	1
	f/8	2
35	f/11	3
	f/16	4
	f/22	5
	f/32	6

When setting the lens between two f-numbers, use half numbers. Thus, for f/11-f/16 use 3 1/2.

TABLE D: Shutter speed (exposure time)*

Total from A, B & C	Shutter speed
7	1/125 sec.
8	1/60
9	1/30
10	1/15
11	1/8
12	1/4
13	1/2
14	1 sec.
15	2
16	6**
17	15**
18	40**
19	1 1/2 min.**
20	4 min.**

*Filtration will be necessary for Polacolor films. See the current film instructions for specific details.

**Includes compensation for low light-level reciprocity failure. When the light reaching the film is of low intensity, "reciprocity failure" will occur. To correct for it, the exposure indicated by an exposure meter or most exposure guides will need to be increased. In this guide, table D has a built-in reciprocity failure compensation. The compensation is an average for Polaroid Land film types in general and, thus, a rough guide only.

For information or technical assistance:

From within the continental U.S.A., call toll-free: 800-225-1618, Mon.-Fri. 9 a.m. to 6 p.m. (Eastern Time). If outside the U.S.A., contact the nearest Polaroid Office.