

Kodacolor Film • Type A

FOR KODACOLOR PRINTS ON PAPER

Kodacolor Film Type A is for use with flood or flash illumination. No filters are required. For exposure data, see the tables below. Kodacolor Film Type A can be used in daylight provided a Kodachrome Type A Filter for Daylight (Kodak Wratten No. 85 Filter) is used over the camera lens. With this combination, the basic exposure for an average subject in bright sunlight is 1/50 second at *f*/8.

Load and unload your camera in

subdued light, keeping the film wound tightly to avoid edge fog.

Take the exposed film to your Kodak dealer. He will return it to the Eastman Kodak Company for development to colored negatives. The development cost is included in the original price of the film.

No prints are included in the selling price of Kodacolor Film—they must be ordered through your Kodak dealer. Details for ordering prints are given on the back of this sheet.

Exposure Indexes: Tungsten 20 Daylight 12*

Use these values as settings for meters calibrated for American Standard Exposure Indexes and

*With Kodachrome Type A Filter for Daylight.

In daylight, certain meters should be pointed downward to minimize skylight, in accordance with the manufacturer's instructions. Out-

doors, question any meter reading which indicates an exposure less than 1/50 second at *f*/8; underexposure may result.

EXPOSURE TABLES

Shutter Speed	FLASH LAMP EXPOSURE GUIDE NUMBERS			
	* SM or SF	* No. 5 or 25	† No. 11 or 40	† No. 2 or 22
"B" to 1/25	50	95	120	155
1/50	50	80	110	130
1/100	45	75	95	110
1/200	—	55	70	85

*In 4- to 5-inch satin-finished reflector such as is used on the Kodak Flashholder.

†In 6- to 7-inch polished reflector.

To obtain the proper *f*-number, divide the Exposure Guide Number by the distance, in feet, between the lamp and the subject. The answer is the recommended lens opening for average subjects. Example: When Kodacolor Film Type

Flash Exposures Indoors with Simple Flash Cameras: Keep the room illumination dim and turn off all lights that will appear in the pic-

A is used with the shutter set for "B" or 1/25 second or less, the Exposure Guide Number is 95 with a No. 5 lamp. If the lamp-to-subject distance is 9 feet, the correct *f*-number is $95 \div 9 = f/11$; at 15 feet, $95 \div 15 = f/6.3$, etc.

ture. The camera can be hand-held for "B" exposures if the exposure button is released immediately after the flash.

Camera	Flash Lamp	Shutter Set at	Distance to Subject
Brownie Flash Six-20	No. 11 or 40	I	8 feet
	No. 2 or 22	I	10 feet
Brownie Reflex Synchro Model	SM or SF	I	5 feet
	No. 5 or 25	B	6½ feet
Kodak Duaflex Camera Kodet Lens	SM or SF	I	5 feet
	No. 5 or 25	B	6½ feet
Kodak Duaflex Camera Kodar Lens at <i>f</i> /8	SM or SF	I	6 feet
	No. 5 or 25	B	12 feet

Open-Flash Exposures with the Kodak Photo Flasher: Place the camera on a firm support; open the shutter (set

at "B"); flash the lamp; close the shutter immediately.

Flash Lamp	LENS OPENINGS*			
	5 feet	6 feet	9 feet	12 feet
SM or SF	<i>f</i> /11	<i>f</i> /8	<i>f</i> /5.6	<i>f</i> /4
No. 5 or 25	<i>f</i> /22	<i>f</i> /16	<i>f</i> /11	<i>f</i> /8

*With simple non-flash cameras, use the largest lens opening with the Kodak Photo Flasher at 5 feet from the subject when an SM or SF lamp is used or 6½ feet when a No. 5 or 25 lamp is used.

Caution: Flash lamps may explode or shatter when flashed. Therefore, use a transparent protective screen over the lamp and reflector, espe-

cially when photographing people. Do not use flash lamps in an explosive atmosphere.

FLOOD LAMPS

Shutter Speed (Seconds)	Lamp-to-subject distances in feet with 2 No. 2 flood lamps in Kodak Vari-Beam Lights at "Still" or with 2 No. RFL2 flood lamps.							
	<i>f/3.5</i>	<i>f/4</i>	<i>f/4.5</i>	<i>f/5.6</i>	<i>f/6.3</i>	<i>f/8</i>	<i>f/11</i>	<i>f/16</i>
	1/25	6	5½	4	—	—	—	—
1/10	10	8½	7½	6	5½	—	—	—
1/5	14	12	11	8½	8	6	4	—
1/2	22	19	17	14	12	9½	7	4
1	30	28	24	20	17	14	10	7

This table is for subjects of average color and gives good results with flesh tones. For dark-colored subjects, use the next half-stop larger; for light-colored subjects, use the next half-stop smaller. The table is based on pointing all the reflectors at the same area, so that their light is superimposed.

Arrangement of Lights: To produce a suitable balance of illumination, place one light close to the camera at camera height; place the other light the same distance from the subject on the other side of the camera, but 2 to 4 feet higher and

at an angle of about 45° from the camera axis. If the subject is within 2 feet of the background, no separate illumination will be necessary. If the subject is farther from the background, more pleasing results will be obtained if the background is illuminated by a separate light. This background light will not affect the exposure.

Exclude all daylight; otherwise the pictures will assume an objectionable bluish cast. Likewise, ordinary artificial room light must be kept to a minimum or the pictures will assume a reddish cast.

Storage of Kodacolor Film

Kodacolor Film, exposed or unexposed, keeps best in a dry, cool place. Do not store it in a damp basement, near radiators, or in any other humid or hot place.

Return exposed film as quickly as possible to a Kodak dealer for shipment to the Eastman Kodak Company for development, since high temperatures or humidity can produce changes in the latent image and hence impair the quality of the finished Kodacolor negative. Like-

wise, do not allow a roll of Kodacolor Film to remain in the camera for any extended length of time.

Kodacolor Prints, Enlargements, and negatives must be protected from prolonged exposure to daylight, and particularly, to direct sunlight. Keep negatives in a Kodak Negative File; keep prints in an album.

Handle Kodacolor negatives by the edges to avoid the danger of fingerprints or scratches.

Return of Film for Development

Return exposed Kodacolor Film promptly to a Kodak dealer.

He will send it to the Eastman Kodak Company. Your Kodacolor Film will be developed without

charge and returned to you, through your Kodak dealer, as Kodacolor negatives. Kodacolor Prints will accompany the negatives only if you order them from your dealer.

Kodacolor Prints

Kodacolor Prints must be ordered and paid for separately through Kodak dealers.

Standard Kodacolor Prints are about 3½" wide, including margins. The length is determined by the proportions of the original negative.

Orders for Negatives and Prints: If Kodacolor Prints are ordered when the film is sent to be processed, prints will be made only from those negatives which, in the opinion of our operators, will produce prints satisfactory to you.

Orders for Prints Only: In the case of orders for prints only—the customer having seen the negatives—prints will be made from all negatives sent, except in those cases where the quality of the resulting print will be so unsatisfactory as to be unacceptable.

If matched prints are desired from a negative, they should be ordered at the same time.

Caution: Some cropping will occur at the edges of the negatives during printing. Important subject material should be kept away from the

edges of the camera finder.

Kodacolor Enlargements: Enlargements in seven sizes are available. Consult your Kodak dealer for complete information in ordering Kodacolor Enlargements.

Notice: Kodacolor Prints, Enlargements, and negatives contain dyes which are as stable as possible, consistent with their other requirements. Like other dyes, they may change with time. Neither Kodacolor Film, Enlargements, nor Prints will be replaced or otherwise warranted against any change in color.

Note: If Kodacolor Film or negatives are damaged or lost by us or any associate company, they will be replaced with unexposed Kodacolor Film. Except for such replacement, Kodacolor Film will be accepted for developing to a negative and Kodacolor negatives will be accepted for making Kodacolor Prints or Enlargements without warranty, guarantee, or other liability of any kind.

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