

ILFORD

HP3 and FP3 roll films

Load and unload the camera in a shaded place. If the red window is not fitted with a safety cover, cover it with a piece of opaque adhesive tape, except when winding on the film.

SPEED RATINGS. See cartons.

DAYLIGHT EXPOSURE GUIDE. Lens apertures for shutter speeds of—
1/25 sec. for FP3. 1/50 sec. for HP3.

	Sunshine, blue sky	Slightly overcast sky	Dull	Very dull
Distant landscapes without foreground. Beach scenes. Sea. Snow scenes.	f/32	f/22	f/16	f/11
Open landscapes with foreground.	f/22	f/16	f/11	f/8
Near views of houses, trees, etc. Distant figures or groups.	f/16	f/11	f/8	f/5.6
Close-up portraits or groups in the open air.	f/11	f/8	f/5.6	f/4

DAYLIGHT FILTER FACTORS

Ilford filter	FP3	HP3
No. 104, Alpha (yellow)	1½	1½
No. 401, Beta (pale yellow-green)	2	2
No. 402, Gamma (yellow-green)	3½	3½
No. 304, Tricolour Blue	5½	7
No. 404, Tricolour Green	7	6
No. 204, Tricolour Red	8	5

PHOTOFLOOD EXPOSURE GUIDE

Exposure time in seconds		Distance of lamps from subject				
FP3	HP3	f/2.8	f/4	f/5.6	f/8	f/11
1/50	1/100	6 ft.	4½ ft.	3 ft.	—	—
1/25	1/50	8½ ft.	6 ft.	4½ ft.	3 ft.	—
1/10	1/25	12 ft.	8½ ft.	6 ft.	4½ ft.	3 ft.

The above guide is based on the use of two Series 1 Photoflood Lamps in Ilford Lighting Units, in an average size room with white ceiling and light walls. In large or dark-coloured rooms give double the indicated exposure.

DEVELOPMENT

Process the film in total darkness, preferably in a light-tight developing tank. Any standard developer may be used but the following Ilford developers are recommended:—

For general use, *Ilford ID-2 Metol-Hydroquinone Developer*.

For finer grain, *Ilford ID-11 Fine Grain Developer (M.Q. Borax)*.

Both these developers are obtainable as Ilford packed developers or may be made up to the published formulac.

TIME-TEMPERATURE METHOD OF DEVELOPMENT

Recommended development times in minutes, for negatives of average contrast:—

Ilford film	ID-2 (tank strength)			ID-11		
	60°F. 16°C.	68°F. 20°C.	75°F. 24°C.	60°F. 16°C.	68°F. 20°C.	75°F. 24°C.
FP3	12	7½	5	13	8½	5½
HP3	15	9	6½	16	10	7

The times quoted for ID-2 apply to *tank* development with intermittent agitation. For *dish* development with continuous agitation in ID-2 at the recommended dish strength the times quoted should be halved.

The times quoted for ID-11 apply to *tank* development with intermittent agitation. For *dish* development with continuous agitation these times should be reduced by 20%. ID-11 is used at the same strength in dish and tank. The times quoted for ID-11 give softer negatives than the corresponding ID-2 times and may be increased by up to 50% for greater contrast.

FIXATION

After development, rinse and transfer to an acid fixing bath of normal composition. Finally wash thoroughly and hang to dry.

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