

**BABYLON 13**

# Babylon Kino B&W ISO 13 Exposure and Development Charts & Guide

Congratulations on acquiring your new stock of Lomography Babylon Kino B&W ISO 13 Film! Before you go out shooting, please take the time to read this document. We have shared a few pointers to ensure that you get the best and most consistent results from your Lomography Film:

**1. Use This Simple Tip to Shoot With Any Camera!**

- Your new film can be used in a wide variety of cameras! You just have to pay close attention to how bright the situation is before taking a photo.
- First you should determine what the largest aperture and shutter speed available on your camera is.
- Then consult the exposure chart below to see which situation would work best with your camera's settings.

**2. For Better Control, Use a Camera With Manual Controls**

This film has a slow speed of ISO 13, so we recommend using a camera+lens with manual controls for better control over your exposures. You should be able to manually adjust the shutter speed of your camera and aperture of your lens. Using a fast lens (maximum aperture of at least f/1.4 - f/2.8), is also recommended.

**Here is a handy Exposure Chart to get you started!**

ISO 13	HANDHELD			TRIPOD						
	1/125	1/60	1/30	1/15	1/8	1/4	1/2	1s	2s	3s
SUPER SUNNY	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	f/45	f/64	
SUNNY	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32	f/45	f/65
OVERCAST/SHADOW		f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22	f/32
INDOOR/SUNLIT ROOM			f/12	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22
INDOOR/SHADOW/ BRIGHT BULB						f/2	f/2.8	f/4	f/5.6	f/18

\* For apertures smaller than f/11 be sure to add 1/4 - 1/2 of a second to compensate for reciprocity.

### **3. Use a Flash!**

Is the scene a bit too dark? Use a flash, even outdoors! Having a flash ready to fill in the shadows during the day could also create a unique effect.

### **4. When in Doubt, Use an External Light Meter**

To ensure accurate exposure times, we recommend using an external light meter to determine the correct exposure values.

### **5. Have a Film Lab Develop Your Film**

You can send your film to any Film Lab which offers Black and White film processing! The second section of this document has a list of developers and developing times. If your local lab is not familiar with our film, kindly provide them with this document or have them contact us at: [help@lomography.com](mailto:help@lomography.com)

### **6. Hand Develop Your Film**

Based on our experience, hand developing our film provides the best results and nothing comes close to the sense of fulfillment when you see your freshly hand developed negatives! Please check the second section of this document for a list of developers and developing times.



### Developing Chart:

Here are the development times for different developers intended for hand agitation or machine rotation:

Developer	Dilution	Temperature	Time
Kodak D96	standard	20°C	10 mins
Kodak HC 110	B	20°C	8 mins 30 secs
Ilford Ilfosol 3	1+9	20°C	12 mins
Compard R09	1+50	20°C	9 mins
Tetenal Ausgleichsentwickler	standard	23°C	10 mins 30 secs

Here are a few examples of how the Film would look in different developers:



Developed with D96



Developed with Kodak HC110



Developed with Ilford Ilfosol-3



Developed with Compard R09



Developed with Tetenal Ausgleichsentwickler

**We encourage you to experiment and see just how far you can take our film! Have fun!**