



WIDK-24X01

XYLORIX WOOD IDENTIFICATION KIT

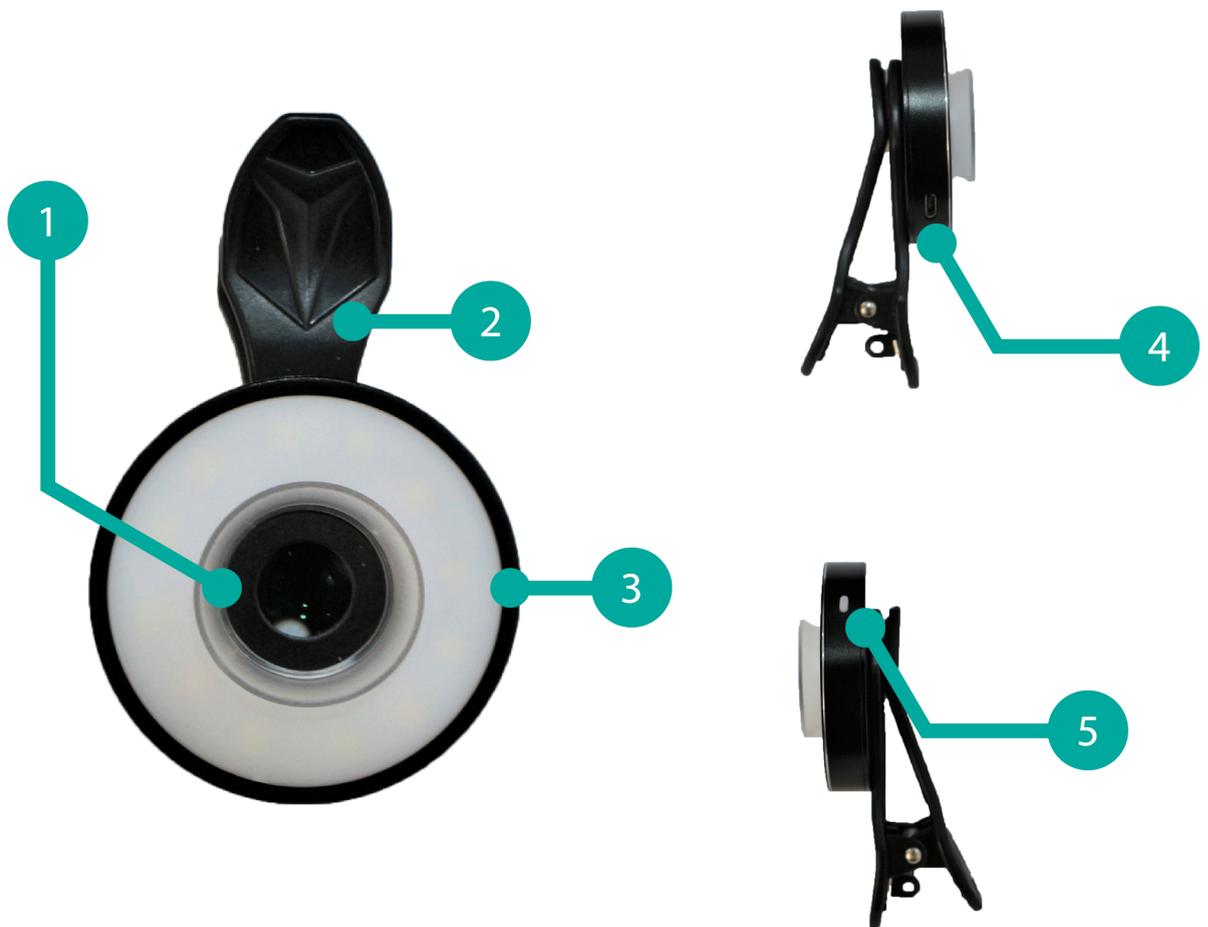
INSTRUCTION MANUAL

v1.0.2



WIDK-24X01 Package Includes:

1. 24x Macro Lens with Translucent Hood
2. Ring Light with Adjustable Brightness
3. Universal Clip with Lens Holder
4. USB Charging Cable
5. Lens Pouch
6. Thumb Protector



WIDK-24X01 Lens part labels:

1. 24x Macro Lens
2. Universal Lens Holding Clip
3. Ring Light
4. Micro-USB Charging Port
5. Brightness Adjusting Button

Operation Methods:

How to use the macro lens

- The macro lens must be very close to the photographing objects to prevent blurry images.
- To get a sharp image of wood macroscopic features, rest the macro lens on the wood sample surface, adjust the lens angle to be perpendicular to the wood surface to capture a larger in-focused area.
- Due to phone camera differences, for some devices, the wood macroscopic images may not appear sharp when the macro lens is rested on the wood sample surface, in that case slowly lift the lens from the surface until the image appears sharp.

How to use the ring light

- Upon receiving the kit, charge the ring light first using micro-USB cable for 5-10 minutes as the ring light may not be fully charged out of the box.
- Press the side button of the ring light to switch it on.
- Press the button again after turned on to increase brightness level. The ring light turns off after the 4th press.
- If the ring light illumination appears dim after continuous usage, recharge the ring light using micro-USB cable.

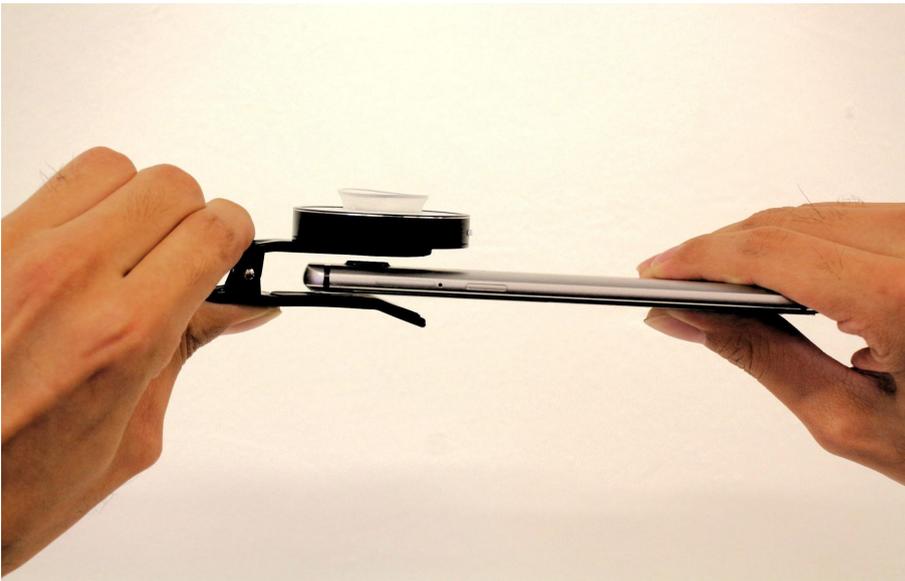
How to use the thumb protector

- A thumb protector is provided for added safety and gripping during the preparation of wood sample surfaces.
- Put on the thumb protector on your preferred thumb when holding the wood sample as shown in the image below, where the cutting is done using razor cut method.
- Users should still exercise caution during the cutting process as injury may still occur depending on usage.



Setting It Up

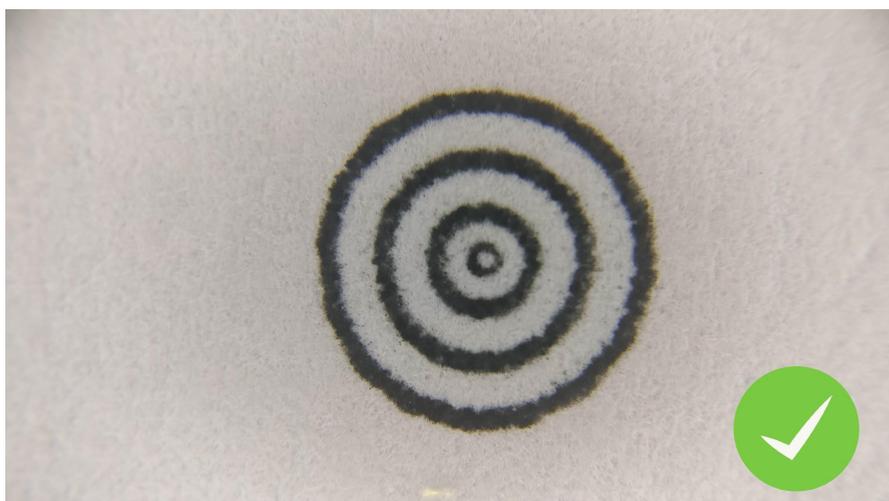
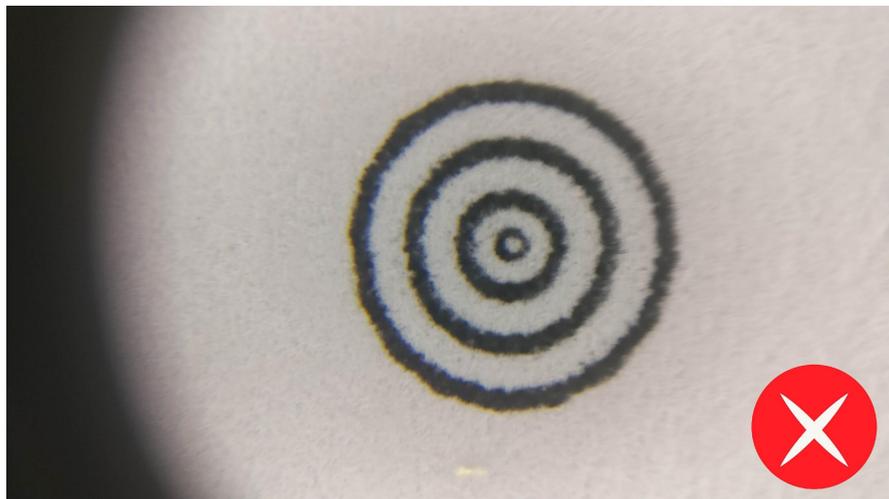
- Mount the WIDK-24X01 Macro Lens onto the smartphone by clipping the lens right on top of the back camera of the smartphone.



- Make sure the clipped WIDK-24X01 Macro Lens is aligned with the back camera.



- Open the phone camera app to check the alignment of the macro lens.
- Presence of vignetting or dark corners (top pic) indicates the macro lens is not properly center-aligned with the phone camera, adjust until the vignetting is not as visible (bottom pic).
- Some amount of vignetting is acceptable as long as the majority center part of the taken image is visible and clear.



Macro Lens Sharpness Test

- A macro lens test chart paper is provided with the package container for testing usage.
- The following images (pg. 9) are sample images taken using the WIDK-24X01 Macro Lens with a 16MP phone camera.
- You can compare the sample images here with your taken pictures using the macro lens to ensure similar image sharpness is obtained. Result varies across different phone types with different camera specifications.
- Noted that the center of the image should be clear and sharp while the corners would be softer/blurrer due to innate macro lens design.

Test Sample Images

