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› Epson Short Throw Zoom Lens (ELPLU04) for Pro G7XXX and Pro LXXXX Series User Manual

Epson V12H004U04

Epson Short Throw Zoom Lens (ELPLU04) User Manual

Brand: Epson | **Model:** V12H004U04

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Epson Short Throw Zoom Lens (ELPLU04). This interchangeable lens is designed for use with Epson Pro L projectors up to 20,000 lumens and Pro G7000 Series projectors, enabling the projection of large, high-quality images even in narrow spaces.



Figure 1: Epson ELPLU04 Short Throw Zoom Lens. This image shows the black, cylindrical lens with its large front element and adjustment rings.

Key features include a convenient short-throw design, wide lens shift capabilities for installation flexibility, and support for screen sizes up to 1000 inches.

2. SETUP AND INSTALLATION

Follow these steps to properly install the ELPLU04 lens onto your compatible Epson projector:

1. **Power Off Projector:** Ensure your projector is completely powered off and unplugged from the power source before beginning installation.
2. **Remove Existing Lens (if applicable):** If a lens is currently installed, carefully remove it according to your projector's user manual. Store it safely.
3. **Align the Lens:** Align the ELPLU04 lens with the lens mount on the projector. Ensure the alignment marks on both the lens and the projector match.
4. **Insert and Secure:** Gently insert the lens into the projector's lens mount. Twist or lock the lens into place as indicated by your projector's specific mechanism. Do not force the lens.
5. **Power On and Test:** Once the lens is securely attached, plug in and power on your projector. The projector should

recognize the new lens.

For detailed instructions on lens removal and installation specific to your projector model, refer to your projector's official documentation.

3. OPERATING THE LENS

The ELPLU04 lens offers various adjustments to optimize your projection. These adjustments are typically made via the projector's menu system or physical controls on the lens itself, depending on the projector model.

3.1. Zoom Adjustment

The zoom function allows you to adjust the size of the projected image without moving the projector. Rotate the zoom ring on the lens or use the projector's menu controls to achieve the desired image size. The zoom ratio for this lens is 1 to 1.2.

3.2. Focus Adjustment

After adjusting the zoom, fine-tune the image clarity using the focus ring on the lens or the projector's focus controls. Adjust until the image appears sharp and clear across the entire screen.

3.3. Lens Shift

Lens shift allows you to move the projected image vertically and horizontally without tilting or moving the projector, which helps maintain optimal image geometry. The available lens shift range varies based on the projector's lumen output:

- **Up to 8,000-lumen projectors (WUXGA/WXGA):**

- Throw Ratio: 0.87 to 1.05
- Vertical Lens Shift: -67% to +67%
- Horizontal Lens Shift: -30% to +30%

- **9,000- to 20,000-lumen projectors (WUXGA):**

- Throw Ratio: 0.64 to 0.77
- Vertical Lens Shift: -60% to +60%
- Horizontal Lens Shift: -18% to +18%

- **Native 4K projectors:**

- Throw Ratio: 0.62 to 0.75
- Vertical Lens Shift: -58% to +58%
- Horizontal Lens Shift: -16% to +16%

Consult your projector's manual for specific instructions on accessing and adjusting lens shift controls.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your ELPLU04 lens.

4.1. Cleaning the Lens

- **Dust Removal:** Use a soft, lint-free cloth or a lens brush to gently remove dust from the lens surface. A can of compressed air (held upright to prevent propellant discharge) can also be used for stubborn dust.
- **Smudges and Fingerprints:** For smudges or fingerprints, apply a small amount of lens cleaning solution specifically designed for optical lenses onto a clean microfiber cloth. Gently wipe the lens in a circular motion from the center outwards. **Never apply cleaning solution directly to the lens surface.**

- **Avoid Abrasives:** Do not use abrasive cloths, paper towels, or harsh cleaning chemicals, as these can scratch or damage the lens coating.

4.2. Storage

When not in use, store the lens in a clean, dry, and dust-free environment. Use the original lens caps to protect the front and rear elements from dust and scratches.

5. TROUBLESHOOTING

If you encounter issues with your ELPLU04 lens, consider the following common troubleshooting steps:

- **Image is Blurry/Out of Focus:**
 - Ensure the lens is securely mounted to the projector.
 - Adjust the focus ring carefully until the image is sharp.
 - Check if the projector's native resolution matches the content being displayed.
- **Image is Not Centered/Distorted:**
 - Utilize the lens shift function to reposition the image without tilting the projector.
 - Verify that the projector is placed at the correct distance and angle from the screen for a short-throw lens.
 - Check for any keystone correction settings on the projector that might be causing distortion.
- **Lens Not Recognized by Projector:**
 - Ensure the lens is fully inserted and locked into the projector's lens mount.
 - Power cycle the projector (turn off, unplug, wait 30 seconds, plug in, turn on).
 - Confirm that the lens is compatible with your specific projector model (Pro L or Pro G7000 Series).
- **Dust Spots on Image:**
 - Clean the lens surfaces as described in the Maintenance section.
 - If spots persist, the dust might be inside the projector or on its internal optical elements, requiring professional service.

If problems persist after attempting these steps, contact Epson customer support or a qualified service technician.

6. SPECIFICATIONS

Feature	Specification
Brand	Epson
Model Number	V12H004U04
Lens Type	Zoom Lens
Focal Length Description	Short-Throw Zoom Lens (14.8–17.7mm)
F-number	2.0 to 2.1
Zoom Ratio	1 to 1.2

Compatible Mountings	Proprietary (for Pro L and Pro G7000 Series projectors)
Item Weight	5 pounds (approx. 2.27 kg)
Product Dimensions	0.98 x 0.98 x 0.98 inches (approx. 2.5 x 2.5 x 2.5 cm) <i>-Note: These dimensions seem unusually small for a projector lens and may refer to packaging or a component. Refer to official Epson documentation for precise lens dimensions.</i>
Max Screen Size Support	Up to 1000 inches
Throw Ratio (Up to 8,000-lumen WUXGA/WXGA)	0.87 to 1.05
Lens Shift (Up to 8,000-lumen WUXGA/WXGA)	Vertical: -67% to +67%, Horizontal: -30% to +30%
Throw Ratio (9,000-20,000-lumen WUXGA)	0.64 to 0.77
Lens Shift (9,000-20,000-lumen WUXGA)	Vertical: -60% to +60%, Horizontal: -18% to +18%
Throw Ratio (Native 4K)	0.62 to 0.75
Lens Shift (Native 4K)	Vertical: -58% to +58%, Horizontal: -16% to +16%

Note: Specifications are subject to change without notice. For the most current information, please refer to Epson's official product page or documentation.

7. WARRANTY AND SUPPORT

For information regarding the warranty coverage for your Epson ELPLU04 Short Throw Zoom Lens, please refer to the warranty documentation included with your purchase or visit the official Epson support website. Epson provides various support resources, including:

- Online knowledge base and FAQs
- Driver and software downloads
- Technical support contact information
- Service center locator

It is recommended to register your product with Epson to receive important updates and support notifications. You can typically find support information on the official Epson website: [epson.com/support](https://www.epson.com/support)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question