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› [Artograph](#) /

› [Artograph LED Tracer Opaque Art Projector User Manual](#)

Artograph LED Tracer 25370

Artograph LED Tracer Opaque Art Projector User Manual

Model: LED Tracer 25370

1. INTRODUCTION

The Artograph LED Tracer Opaque Art Projector is designed to assist artists and crafters in enlarging and tracing images. This portable device allows you to project flat artwork from 2 times up to 14 times its original size onto a vertical surface such as a wall or easel. It is suitable for various applications including sketching, outlining, creating murals, and transferring patterns.

This manual provides essential information for the safe and effective use of your LED Tracer projector. Please read it thoroughly before operation.



Figure 1: Artograph LED Tracer Opaque Art Projector, front-side view.

2. SAFETY INFORMATION

- **Power Supply:** Use only the provided low voltage power adapter (12V, 1.5 AMP) and 6.5-foot long cord. Ensure the power outlet is easily accessible and properly grounded.
- **Ventilation:** Do not block the ventilation openings on the projector. Adequate airflow is necessary to prevent overheating.
- **Heat:** The projector's casing may become warm to the touch after extended use. This is normal. If it becomes excessively hot, discontinue use and allow it to cool down.
- **Placement:** Place the projector on a stable, flat surface to prevent it from falling.
- **Moisture:** Keep the projector away from water or other liquids. Do not operate in damp environments.
- **Children:** This device is not a toy. Keep out of reach of small children.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Artograph LED Tracer Opaque Art Projector

- 6.5-foot long power cord with standard 120V grounded plug
- Low voltage power adapter (12V, 1.5 AMP)
- Integrated 200mm optical glass lens

4. SETUP

1. **Unpack:** Carefully remove all components from the packaging.
2. **Position Projector:** Place the LED Tracer on a stable, flat surface. Ensure there is enough space for your artwork underneath and a clear path for the projection onto your desired vertical surface (wall, easel, canvas).
3. **Connect Power:** Connect the low voltage power adapter to the projector's power input port. Plug the 6.5-foot power cord into a standard 120V grounded electrical outlet.
4. **Prepare Artwork:** Place the artwork you wish to project directly underneath the projector's opening. The maximum copy size for the artwork is 5 inches by 5 inches.



Figure 2: Projector setup with artwork placed underneath.

5. OPERATING INSTRUCTIONS

1. **Power On:** Press the power button, typically located on the top of the projector, to turn on the LED light source.
2. **Adjust Projection Distance:** Move the projector closer to or further away from the vertical surface to adjust the size of the projected image. The projector can enlarge images from 2 times up to 14 times the original size.
3. **Focus Image:** Rotate the lens barrel at the front of the projector to bring the projected image into sharp focus.
4. **Tracing:** Once the image is focused and at the desired size, you can begin tracing or outlining on your chosen surface.

Tips for Best Results:

- **Dark Environment:** For maximum visibility and clarity of the projected image, operate the projector in a dark room. Ambient light significantly impacts projection performance.
- **Large Designs:** When working with larger designs or prints, it is recommended to work in sections.
- **Image Contrast:** Images with good contrast and clarity will project more effectively.



Figure 3: Easy operation steps: Place, Project, Trace.



Figure 4: Adjusting the focus lens for a clear projection.

6. MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the projector lens. Avoid abrasive materials or harsh chemicals.
- **Cleaning the Casing:** Wipe the exterior of the projector with a soft, dry cloth. Do not use liquid cleaners directly on the device.
- **Storage:** When not in use, store the projector in a cool, dry place, away from direct sunlight and excessive dust.
- **LED Lifespan:** The integrated LED light source has a lifespan of up to 10,000 hours and does not require replacement.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image projected	Projector not powered on; Power cord not connected; Power outlet issue.	Ensure power button is pressed. Check power cord connections. Test outlet with another device.

Problem	Possible Cause	Solution
Image is blurry	Lens out of focus; Projector too close/far from surface.	Rotate the lens barrel to adjust focus. Adjust the distance between the projector and the projection surface.
Projected image is dim	Too much ambient light; Low contrast artwork.	Operate in a darker room. Use artwork with higher contrast.
Projector feels hot	Extended use; Blocked ventilation.	Discontinue use and allow to cool. Ensure ventilation openings are clear.

8. SPECIFICATIONS

Feature	Detail
Model Number	25370
Product Dimensions	12.75" W x 9" D x 9" H (32.39 cm x 22.86 cm x 22.86 cm)
Item Weight	3 pounds (1.36 kg)
Lens	200 mm Optical Glass Lens
Light Source	High-intensity LED
LED Brightness	5,000 Lux
LED Lifespan	Up to 10,000 Hours
Copy Size	5" x 5" (12.7 cm x 12.7 cm)
Projection Range	2X to 14X Enlargement
Included Components	Projector unit, 6.5-foot power cord, 12V 1.5 AMP power adapter
Mounting Type	Table Mount

ARTOGRAPH

Specifications



LENS
200 mm of
Optical Glass



LED BRIGHTNESS
5,000 Lux



LED LIFESPAN
Lasts up to 10,000 Hours



WEIGHT
5 lbs

Inclusions

- 6.5- foot long cord with standard 120V grounded plug
- Low Voltage Power Adapter: 12V / 1.5 Amp
- Lens

(No more changing of light bulbs)

PROJECTION RANGE

Enlarges artwork from
2x up to 14x



COPY SIZE

5" x 5"

Figure 5: Artograph LED Tracer specifications overview.



Figure 6: Artograph LED Tracer dimensions.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, product support, or service, please refer to the official Artograph website or contact Artograph customer service directly. Contact details can typically be found on the manufacturer's packaging or website.