

## LANCOSC PD180

# LANCOSC PD180 10X Magnifying Lamp User Manual

Model: PD180

## 1. INTRODUCTION

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Thank you for choosing the LANCOSC PD180 10X Magnifying Lamp. This device is designed to provide clear, magnified vision and adjustable illumination for various tasks requiring precision, such as reading, repairing, crafting, and other close-up work. Featuring a 10X optical-grade real glass lens, stepless dimming, and three color modes, this lamp offers a comfortable and efficient working environment. Please read this manual thoroughly before use to ensure proper setup and operation.



The LANCOSC Magnifying Lamp is suitable for a variety of detailed tasks including reading, sewing, painting, and crafting, providing enhanced visibility and illumination.

## 2. PRODUCT OVERVIEW

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### 2.1 Components

- Magnifying Lamp Head with 10X 5-inch Real Glass Lens and LED Ring Light
- Adjustable Swing Arm (Two 15-inch sections, extendable up to 29 inches)
- Sturdy Metal Clamp (Max thickness 2.1 inches)
- USB Power Cable with In-line Control Panel
- 5V/2A DC Adapter
- Instruction Manual



Detailed view of the LANCOSC Magnifying Lamp components, highlighting the 10X 5-inch lens, adjustable metal swivel arms, desk clamp, and the integrated control panel on the power cable.

## 2.2 Key Features

- **10X Magnification:** Equipped with a 5-inch diameter optical-grade real glass lens for clear, undistorted, and true-color magnified viewing.
- **3 Color Modes:** Offers Warm, Warm White, and Cold White light settings to suit different tasks and environments.
- **Stepless Dimmable:** Brightness can be adjusted from 10% to 100% in each color mode.
- **Adjustable Arm:** Two 15-inch swing arms provide a total reach of up to 29 inches, allowing flexible positioning.
- **Stable Clamp:** A sturdy metal clamp securely attaches to surfaces up to 2.1 inches thick.
- **Eye Protection:** Ring-shaped LED design provides uniform, glare-free illumination to reduce eye strain.

## 3. SETUP INSTRUCTIONS

1. **Attach the Clamp:** Secure the metal clamp to a stable desk, table, workbench, or shelf. Ensure the surface thickness does not exceed 2.1 inches. Tighten the clamp screw firmly.
2. **Insert the Lamp Arm:** Insert the base of the lamp's swing arm into the hole on the clamp. Ensure it is seated securely.
3. **Connect Power:** Connect the USB power cable from the lamp to the provided 5V/2A DC adapter. Plug the adapter into a standard electrical outlet.



The sturdy metal clamp allows for secure attachment of the lamp to various surfaces.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Power and Brightness Control

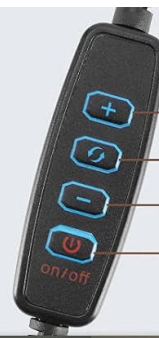
The lamp is controlled via an in-line control panel on the USB cable.

- **Power On/Off:** Press the **ON/OFF** button to turn the lamp on or off.
- **Adjust Brightness:** Use the **+** and **-** buttons to increase or decrease the brightness. The brightness can be steplessly adjusted from 10% to 100%.
- **Change Color Mode:** Press the **3 Color Modes** button to cycle through Warm, Warm White, and Cold White light settings.



## Stepless Dimmable & 3 Color Modes

Good lighting is a design necessity, especially for living and working spaces.

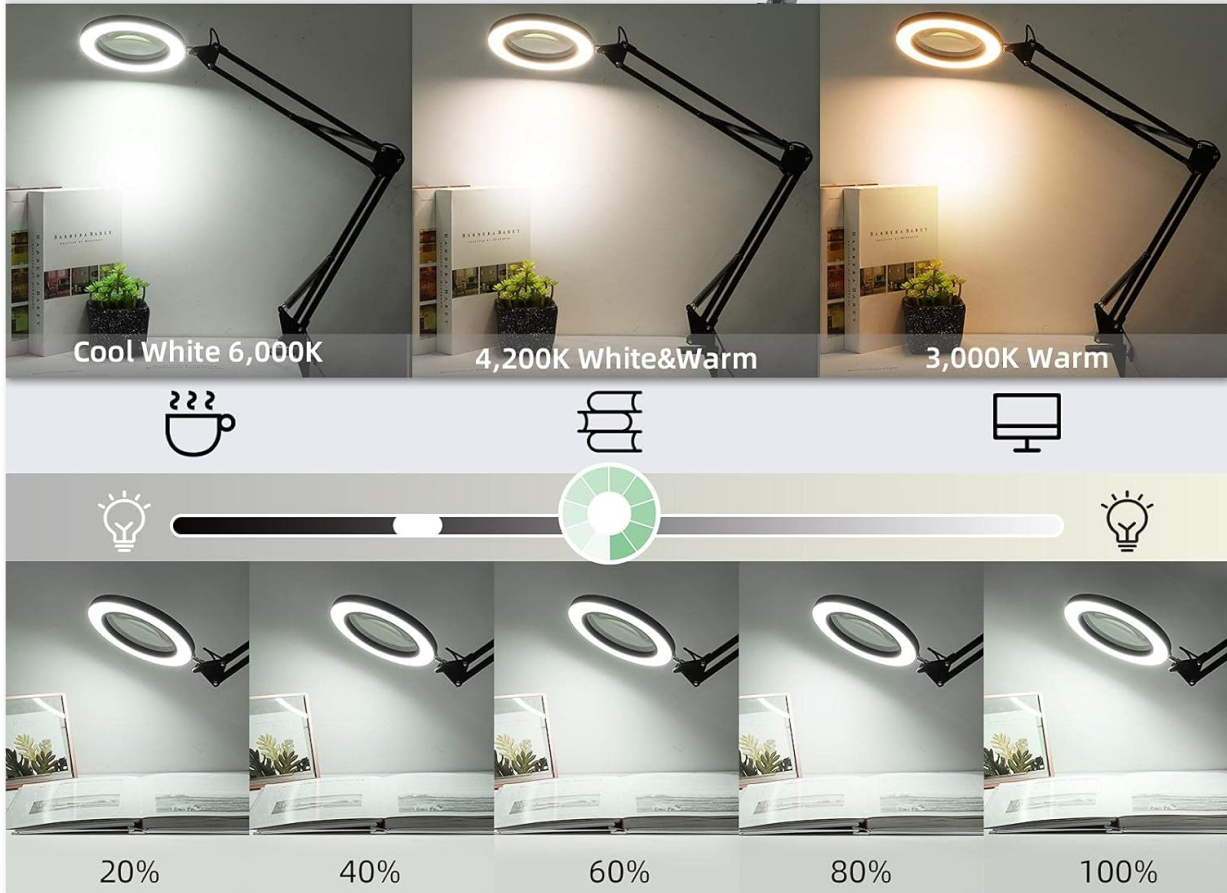


Brightness +

3 Color Modes

Brightness -

ON/OFF



The in-line control panel allows for easy adjustment of brightness and color temperature.

### 4.2 Arm and Head Adjustment

The lamp features a highly flexible design for optimal positioning.

- **Arm Adjustment:** The two 15-inch metal swing arms can be extended and positioned to achieve a reach of up to 29 inches. Use the three knobs to adjust the tightness of the arm joints as desired.
- **Head Rotation:** The magnifying lamp head can swivel 360 degrees horizontally and adjust 270 degrees vertically (up/down). It can also tilt forward/back by 135 degrees.



The advertisement features a large image of an LED magnifying lamp on a desk. The lamp has a black adjustable arm and a circular magnifying head. A blue dashed cone labeled "Wider Field of View" originates from the lamp's head, covering a large area of the desk. Below this, the text "Eye Friendly" is displayed. To the right, two small inset images show a pen writing on paper; the top one has a green checkmark and the bottom one has a red X. Below the main image, the text "LED Magnifying Lamp" is followed by two bullet points: "Uniform light and large lighting area covers" and "Flicker-free lighting won't harm the eyes when reading or studying". Below this, three smaller images show different parts of the lamp: a knob, a metal swing arm, and a spring. Each image is accompanied by a text box describing its function: "3 knobs Adjust the tightness as the you like", "Metal Swing 2 \* 15" swing arm can be extendable up to 29\"", and "4 spring Adjust metal long swing arms".

**Wider Field of View**

**Eye Friendly**

**LED Magnifying Lamp**

- Uniform light and large lighting area covers
- Flicker-free lighting won't harm the eyes when reading or studying

**3 knobs**  
Adjust the tightness as the you like

**Metal Swing**  
2 \* 15" swing arm can be extendable up to 29"

**4 spring**  
Adjust metal long swing arms

The lamp's adjustable arm and head provide flexibility for precise positioning over your workspace.

### 4.3 Magnification Use

Position the magnifying lens directly over the object you wish to view. Adjust the arm and head until the object is in clear focus. The 10X magnification is ideal for intricate details.





The 10X 5-inch real glass lens provides a wide and clear magnified view for detailed tasks.

## 4.4 Product Video

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This video demonstrates the features and flexibility of the LANCOSC 5-inch Magnifying Glass with Light, showcasing its adjustable arm, lighting modes, and practical applications.

## 5. MAINTENANCE

- **Cleaning the Lens:** Use a soft, lint-free cloth to gently wipe the glass lens. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth, not directly to the lens. Avoid abrasive materials that could scratch the glass.
- **Cleaning the Body:** Wipe the lamp's body and arm with a dry or slightly damp cloth. Do not use harsh chemicals or solvents.
- **Storage:** When not in use, fold the arm to a compact position and store the lamp in a clean, dry place away from direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lamp does not turn on.	No power, loose connection, faulty adapter.	Ensure the adapter is securely plugged into the outlet and the USB cable is firmly connected to the lamp. Verify the outlet is functional. Use only the provided 5V/2A adapter.
Light flickers or is dim.	Insufficient power, loose connection.	Check power connections. Ensure the power source provides adequate and stable power (5V/2A).
Magnifying arm is unstable or sags.	Joints are not tightened sufficiently.	Tighten the three adjustment knobs on the swing arm joints until the arm holds its position securely.
Image through lens is blurry.	Incorrect focal distance, dirty lens.	Adjust the height and angle of the lamp head until the object is in clear focus. Clean the lens as per maintenance instructions.

## 7. SPECIFICATIONS

Feature	Specification
Brand	LANCOSC
Model Number	PD180
Magnification Strength	10X
Lens Diameter	5 inches
Lens Material	Real Glass
Light Source	LED
Color Modes	3 (Warm, Warm White, Cold White)
Brightness Adjustment	Stepless (10% to 100%)
Arm Length	2 x 15 inches (extendable up to 29 inches)
Clamp Thickness (Max)	2.1 inches



Feature	Specification
Power Input	5V/2A DC (Adapter included)
Item Weight	1.26 Kilograms (2.77 pounds)
Product Dimensions	5"L x 5"W (Lens)

## 8. WARRANTY AND SUPPORT

LANCOSC is committed to providing quality products and customer satisfaction. If you encounter any issues or have questions regarding your LANCOSC PD180 Magnifying Lamp, please contact our professional customer service team. We aim to resolve all inquiries within 24 hours.

For support, please refer to the contact information provided with your purchase or visit the official LANCOSC website.