

DATOU BOSS ZJ-SC-002

DATOU BOSS 2000W Infrared Paint Curing Lamp User Manual

Model: ZJ-SC-002

1. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety warnings and instructions before operating this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure the power supply matches the lamp's voltage (110V AC). Do not use with damaged cords or plugs. Avoid overloading electrical circuits. Disconnect power before any maintenance or adjustments.
- **Heat Hazard:** The lamp emits intense heat. Do not touch the lamp or surrounding surfaces during operation or immediately after shutdown. Allow sufficient cooling time. Keep flammable materials away from the lamp.
- **Eye Protection:** Wear appropriate eye protection when operating the lamp to prevent eye damage from infrared radiation.
- **Ventilation:** Operate the lamp in a well-ventilated area to prevent heat buildup and ensure proper air circulation.
- **Stable Placement:** Always place the lamp on a stable, level surface or securely mount it using the provided bracket. Ensure the stand is fully extended and locked before use.
- **Moisture:** Do not expose the lamp to water or operate it in damp or wet conditions.
- **Children and Pets:** Keep children and pets away from the operating lamp.
- **Intended Use:** Use this product only for its intended purpose of paint curing and drying.

2. PRODUCT OVERVIEW

The DATOU BOSS 2000W Infrared Paint Curing Lamp utilizes short-wave infrared technology for efficient and effective paint drying. Its design promotes uniform heat distribution and quick curing times, drying paint from the inside out for a high-gloss finish and strong coating adhesion.

2.1 Key Features

- **Short-Wave Infrared Technology:** High luminous efficiency and strong penetrating power for internal drying.
- **Reflector Design:** Ensures uniform heat distribution and increased curing area.
- **Efficient Heat Dissipation:** Constructed from aluminum alloy with numerous cooling holes for enhanced durability.
- **Adjustable Design:** Features a rotating lamp housing and an adjustable metal tube construction for flexible positioning.

2.2 Package Contents

Verify that all components are present upon unpacking:



Image: Included accessories for the DATOU BOSS Infrared Paint Curing Lamp. This includes the baking lamp unit, telescopic bracket, hand grip, fixing nuts, connecting plate, fixed plate, and hexagonal wrenches.

- Infrared Baking Lamp Unit
- Telescopic Bracket (Stand)
- Hand Grip
- Connecting Plate
- Fixed Plate
- Fixing Nuts
- Hexagonal Wrenches (2 sizes)
- Instruction Manual (this document)

3. SPECIFICATIONS

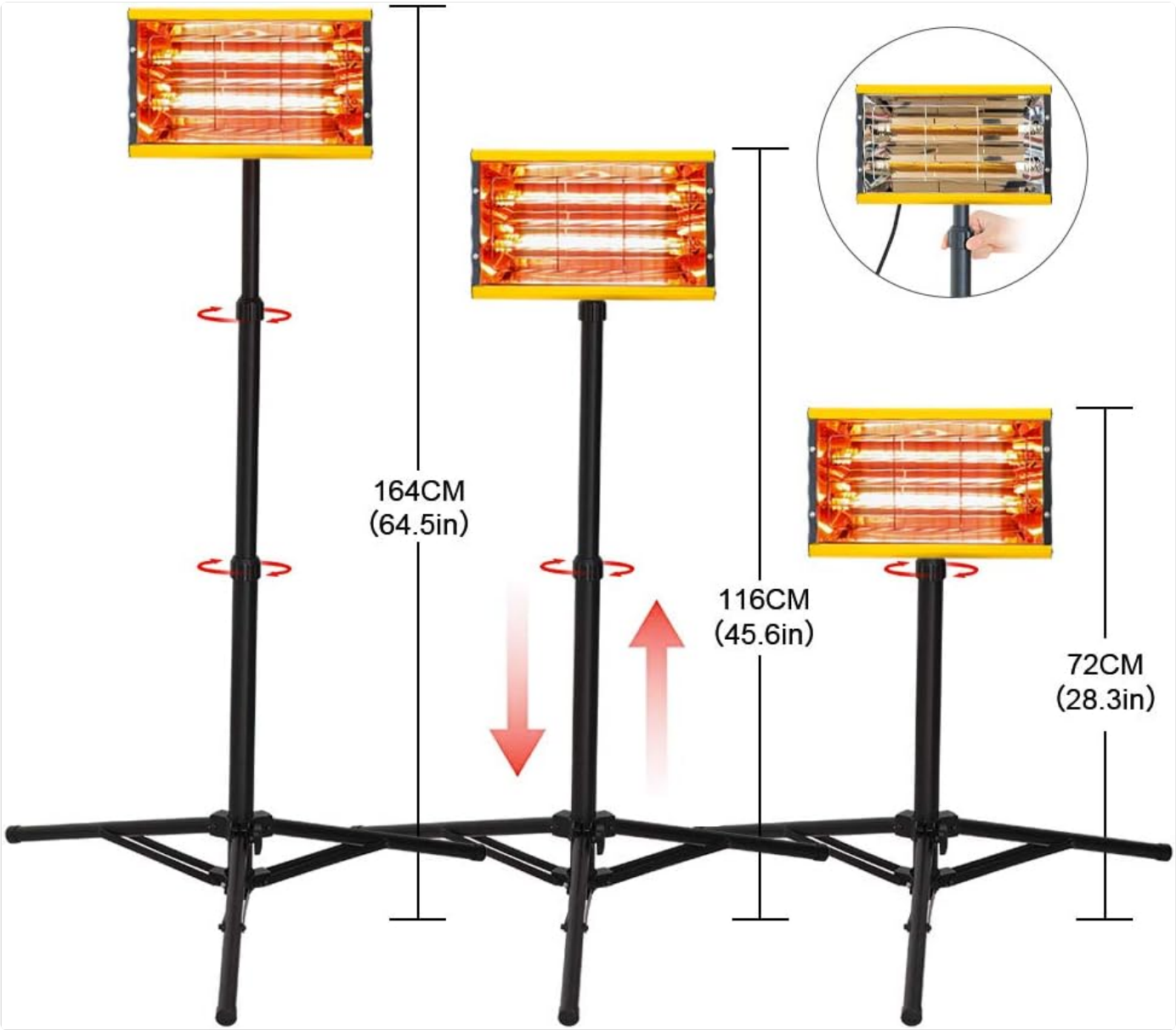


Image: Detailed diagram showing the dimensions and technical parameters of the DATOU BOSS Infrared Paint Curing Lamp.

Parameter	Value
Model	ZJ-SC-002 (DT-SC-002)
Power	2000W
Lamp Material	Halogen tube
Product Material	Aluminum Alloy
Voltage	110V 60Hz
Curing Area	350*400mm (17.7*15.7in)
Lamp Tube Length	270mm (10.6in)
Operating Temperature	0-200°C
Net Weight	1.91kg (4.21 lbs)

Item Weight (Package)	10.43 pounds
Package Dimensions	24.5 x 13.4 x 8 inches

4. SETUP AND INSTALLATION

Follow these steps to assemble and set up your infrared paint curing lamp.

1. Install the base

Manually remove the nut, adjust the bolt to the middle position, align the two holes on the base and put it in, then tighten the nut



2. Install the connection board

Align the internal thread through holes on the connecting plate with the holes on both sides of the mounting plate, tighten the nuts and ensure that the connecting plate is perpendicular to the mounting plate



3. Connect the bracket

Remove the rotating nut on the top of the bracket, align the hole in the middle of the connecting plate, and tighten the nut



4. Adjust the height

Through the two rotating devices on the bracket, a high degree of free expansion and contraction is realized



Image: Four-step visual guide for assembling the lamp unit to the stand.

- 1. Install the Base:** Manually remove the nut from the lamp unit. Adjust the bolt to the middle position. Align the two holes on the base of the lamp unit with the bolt and secure it by tightening the nut.
- 2. Install the Connection Board:** Align the internal thread through holes on the connecting plate with the holes on both sides of the mounting plate. Tighten the nuts to ensure the connecting plate is perpendicular to the mounting plate.
- 3. Connect the Bracket:** Remove the rotating nut from the top of the telescopic bracket. Align the hole in the middle of

the connecting plate with the bracket's top screw and tighten the nut securely.

4. **Adjust the Height:** Use the two rotating devices on the bracket to adjust the height of the lamp. Ensure the stand is stable at the desired height.

4.1 Visual Installation Guide

For a visual demonstration of the installation process, please watch the video below:

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Video: This video demonstrates the assembly and initial setup of the DATOU BOSS Infrared Paint Curing Lamp, including attaching the lamp head to the adjustable stand.

5. OPERATING INSTRUCTIONS

Once assembled, the lamp is ready for operation. Always ensure proper safety precautions are followed.

1. **Positioning:** Place the lamp on a stable surface or adjust the stand to the desired height and angle. Ensure the lamp is directed at the area to be cured. The adjustable working angle is 270 degrees for flexible operation.



Image: Demonstrates the 270-degree adjustable working angle of the lamp unit.

2. **Power Connection:** Plug the lamp into a grounded 110V 60Hz power outlet. Ensure the outlet can handle the 2000W power requirement.
3. **Activation:** Turn on the lamp using the integrated control knob. The lamp will begin to heat up rapidly.
4. **Curing Process:** Allow the lamp to operate for the recommended curing time based on the paint type and thickness. Short-wave infrared technology allows for fast drying, typically within 10-15 minutes for many applications.



Image: Illustrates the lamp in use, highlighting its fast drying capability for automotive paint.

5. **Shutdown:** After curing, turn off the lamp and unplug it from the power source. Allow the lamp to cool down completely before handling or storing.

5.1 Applications

This infrared curing lamp is suitable for various applications:



Image: Examples of applications including car film, metal processing, furniture drying, advertising construction, wheel baking, and car paint drying.

- Automotive spray paint rooms
- Local paint drying and spot repairs
- Drying putty, filler, and primer
- Engine drying
- Adhesive stripe removal
- Preheating prior to spraying
- Furniture drying
- Metal processing

5.2 Working Demonstration

Observe the lamp in operation and its adjustable features:

Your browser does not support the video tag.

Video: A short demonstration of the paint curing lamp in its working state, showing the emitted infrared light.

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Video: This video shows the DATOU BOSS Infrared Paint Curing Lamp in action, demonstrating its adjustable height and angle features during operation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your curing lamp.

- **Cleaning:** Ensure the lamp is unplugged and completely cool before cleaning. Use a soft, dry cloth to wipe down the exterior. Do not use abrasive cleaners or solvents.
- **Lamp Tubes:** Inspect the halogen tubes periodically for any signs of damage or wear. Replace damaged tubes immediately. Refer to the manufacturer for compatible replacement parts.
- **Ventilation Grills:** Keep the ventilation grills clear of dust and debris to maintain efficient heat dissipation.

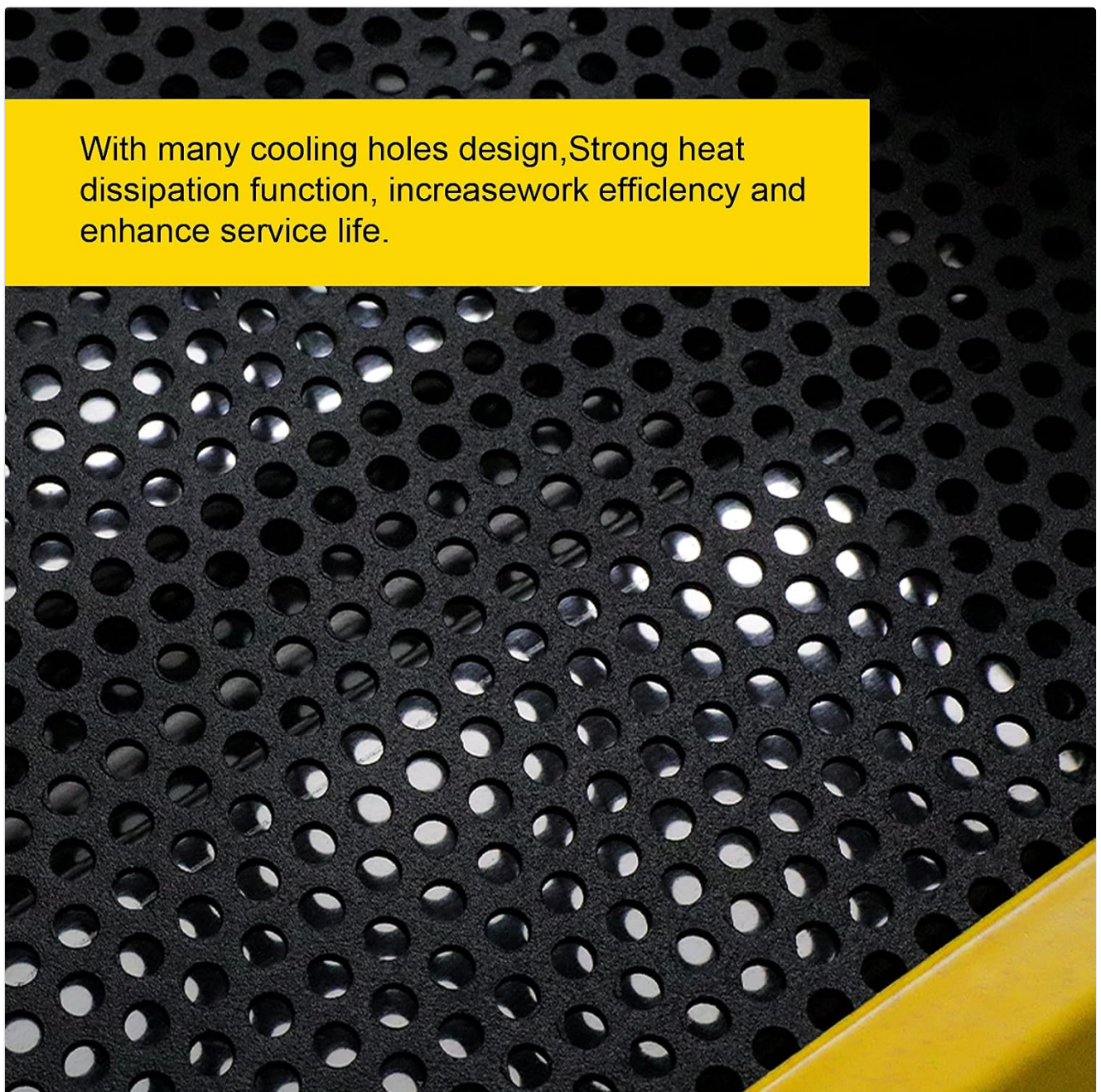


Image: Close-up view of the lamp's rear panel, showing the numerous cooling holes designed for effective heat dissipation.

- **Cord and Plug:** Regularly check the power cord and plug for any damage. Do not use the lamp if the cord or plug is

compromised.

- **Storage:** Store the lamp in a dry, cool place when not in use, away from direct sunlight and moisture.

7. TROUBLESHOOTING

If you encounter issues with your DATOU BOSS Infrared Paint Curing Lamp, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lamp does not turn on.	No power supply, damaged cord/plug, faulty switch.	Check power outlet, inspect cord/plug for damage, ensure switch is in ON position. If issues persist, contact support.
Lamp sparks when plugged in.	High initial current draw, loose connection, faulty plug/outlet.	Ensure the plug is fully inserted into a properly grounded outlet. Avoid using extension cords if possible. If sparking is severe or persistent, discontinue use and consult a qualified electrician or contact customer support. This may indicate a circuit instability issue.
Circuit breaker trips.	Overloaded circuit, faulty lamp.	Ensure the lamp is on a dedicated circuit or one with sufficient capacity (2000W is a high load). Unplug other high-power devices. If the problem continues, the lamp may be faulty; discontinue use and contact support.
Uneven curing or slow drying.	Incorrect distance, improper positioning, dirty reflector.	Adjust the lamp's distance and angle to ensure even heat distribution. Clean the reflector surface if dirty (when cool and unplugged).

If troubleshooting steps do not resolve the issue, please contact DATOU BOSS customer support.

8. WARRANTY AND SUPPORT

DATOU BOSS products are designed for quality and reliability. For warranty information, technical support, or replacement parts, please contact your retailer or visit the official DATOU BOSS website. Please have your product model number (ZJ-SC-002) and purchase date available when contacting 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