

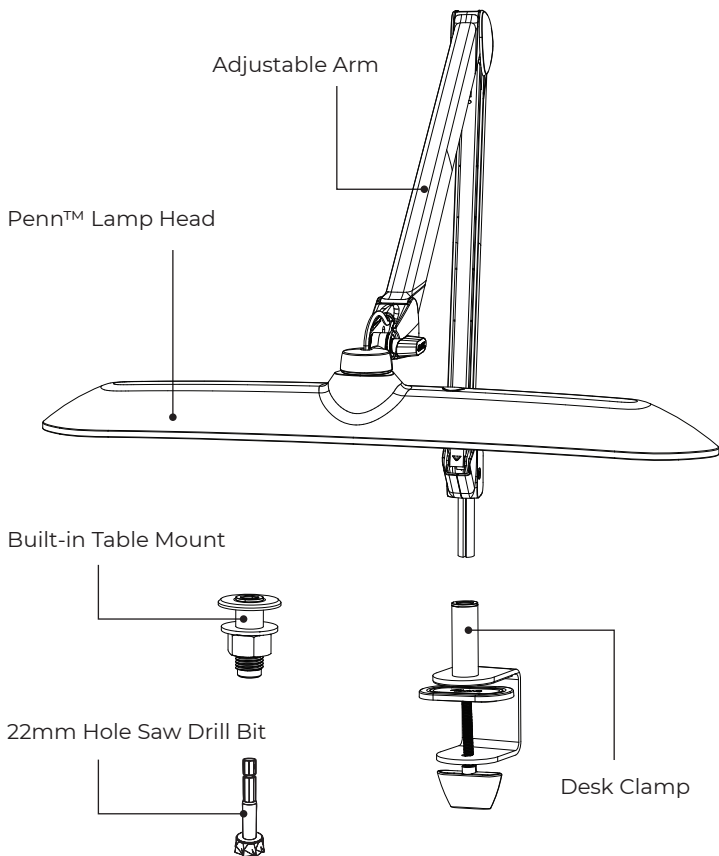
4BLANC®
PENN™ PROFESSIONAL
EYE-CARING LED LAMP
(TLS-PN21SR51)

User Manual

CONTENT OF THE BOX

Penn™ Lamp with Adjustable Arm	1pc
Built-in Table Mount	1pc
Desk Clamp	1pc
Power Adapter	1pc
22mm Hole Saw Drill Bit	1pc

General view of the device



Getting Started

The Penn™ Lamp offers two methods for secure installation on your workspace. Please choose the method that best suits your setup.

Method 1: Desk Clamp Installation (Edge Mounting)

This option allows for fast, secure mounting directly onto the edge of your desk or table.

1. **Attach the Desk Clamp:** Secure the provided Desk Clamp onto the edge of your workspace. Twist the screw mechanism until the clamp is firmly secured and the base is stable.
2. **Insert the Arm:** Insert the Adjustable Arm's base pin into the designated slot on the top of the Clamp until it fully seats and stops.

Method 2: Built-in Mount Installation (Through-Desk)


This option provides a highly stable mounting point directly into your work surface via a pre-drilled hole.

1. **Prepare the Hole:** Ensure your workspace has a pre-drilled hole approximately 22mm in diameter. (The included 22mm hole saw drill bit is provided for creating this opening, if needed.) This mount supports tables with a maximum thickness of 25mm. The hole location should be determined by your required lamp placement. If your table is thicker, contact support for alternatives.
2. **Install the Mount:** Take the Built-in Table Mount. Insert the screw component (the top piece with the central hole) through the opening from the top of the table.
3. **Secure with Nut:** From the underside of the table, thread the locking nut onto the screw component and tighten it securely until the mount is locked firmly against the table surface.
4. **Insert the Arm:** Insert the Adjustable Arm's base pin into the central hole of the secured Built-in Table Mount until it fully seats and stops.


Operation

The Penn™ Lamp can be controlled using the physical button on the lamp body or the RF433 Remote Controller.


A. Physical Button Control

The  button is located on the top of the lamp.

On/Off & Brightness Adjustment (Short Press):

Single short press of the  button cycles the brightness and power status: 100%→75%→50%→25%→100%.

Quick Power Off (Double Press):

Double-press the  button quickly from any mode to immediately turn the lamp OFF.

B. Remote Controller Operation

The remote (not included) can control the lamp's power and brightness.

Power ON/OFF (Control Button):

Single short press the remote to turn the lamp ON.

Double-press the remote quickly from any mode to immediately turn the lamp OFF.

Adjustment (Knob/Rotary Control):

- Rotate Clockwise to increase brightness (25% → 100%).
- Rotate Counter-Clockwise to decrease brightness (%100 → 25%).

Pairing and Memory Functions



A. Memory Function

The lamp will remember the last used Brightness level upon turn-off (both power loss and normal off). When the lamp is turned back on (via button or remote), it will resume the last setting.



B. Remote Pairing

By default, the lamp is unpaired and cannot be controlled by any remote. You must pair the lamp to a specific remote.

To Pair the Remote Controller:

To link a remote to the lamp, ensure the lamp is plugged in and powered on (within the first 20 seconds of connecting the power). Simultaneously **long press** the lamp's physical  button and the remote's  button for **3 seconds**. Successful pairing is confirmed when the lamp **flashes TWICE**. Once paired, only this specific remote controller can control the lamp. Pairing a new remote will automatically replace and unpair the previous one.

To Unpair the Remote Controller:

To cancel the link between the lamp and the remote, ensure the lamp is powered on (within the first 20 seconds of connecting the power) and is currently paired. Simultaneously **long press** the lamp's physical  button and the remote's  button for **3 seconds**. Successful unpairing is confirmed when the lamp **flashes THREE times**. After unpairing, the lamp cannot be controlled by any remote.

C. Toggling Device Control (Lamp vs. Nail Dust Collector)

Since the remote is universal, you can switch its control target between the Penn™ Lamp and a paired 4BLANC® Dust Collector (Zephyr™ or Maestro™ 2.0).

Switch to Dust Collector Control (Lock Lamp Control):

- Hold Press and Rotate Clockwise
- Effect: The remote locks out Penn™ control and begins controlling the paired 4BLANC® Dust Collector.

Switch to Penn™ Lamp Control (Unlock Lamp Control):

- Hold Press and Rotate Counter-Clockwise
- Effect: The remote unlocks and returns control back to the Penn™ Lamp. Ensure the dust collector is paired separately.

SCAN FOR VIDEO GUIDE

Watch the official video for precise, step-by-step instructions on Smart Remote Control pairing and unpairing.



IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL BEFORE USING THIS APPLIANCE



WARNING

These warnings apply to the device and any removable attachments, accessories, and power adapters where applicable.

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY:

Children aged 14 and above, persons with physical, sensory, or mental limitations, and those lacking experience or knowledge can use the 4BLANC® device only under supervision or after receiving instructions on safe use from a responsible person, provided they understand the risks involved.

Cleaning and maintenance should not be performed by children. This device is not a toy. Be very vigilant when using the device near children. Operation by children is allowed only under constant adult supervision. Do not allow children to play with the device.

Do not perform maintenance work other than specified in this manual or recommended by 4BLANC® specialists.

Use only in dry locations. Do not use outdoors or on wet surfaces.

Do not touch the device or power cord plug with wet hands. Do not use the device with a damaged power cord or plug. Have a damaged cord replaced by a 4BLANC® specialist, a 4BLANC® service agent, or a qualified professional (electrician) for safe operation.

If the device is not working properly, is damaged, wet, has fallen into water, or if there is a smell of burning or smoke, do not use it. Contact 4BLANC® Customer Support for repair or replacement instructions.

For maintenance or repair, contact 4BLANC® Customer Support. Do not disassemble the device yourself to avoid the risk of fire or electric shock.

Do not stretch or pull the cord excessively. Keep the cord away from hot surfaces. Do not pinch the cord in doors, nor wrap it around sharp edges or corners. Do not place the cord in a walkway or where it may be stepped on or tripped over.

Do not pull the cord when unplugging the device. Instead, grasp the plug.

Do not use extension cords with the device other than included in the box.

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note. This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- The device has been evaluated to meet general RF exposure requirement.
- The device can be used in portable exposure condition without restriction.

CARE FOR YOUR 4BLANC® DEVICE

Store the device in a heated room. Do not use or store the device at temperatures below 3°C (37.4°F). Allow the device to warm up to room temperature before use.

CLEANING AND MAINTENANCE

Use a soft, dry cloth for the lamp head. Avoid liquids or abrasives. Do not perform maintenance or repair of the device unless specified in the user manual or recommended by 4BLANC® specialists.

WARRANTY

Your 4BLANC® device is under warranty from the date of purchase according to the terms and conditions stated in this user manual. If you have any questions, please contact info@4blanc.com

To check your device warranty conditions, please go to www.4blanc.com. Scroll down and click on Warranty.

If any questions or service's required please provide the customer support with the purchase date, location and your order number.

The warranty is valid from the moment you receive the 4BLANC® product. If the date of receipt cannot be determined, the warranty period starts from the date of shipment to the buyer.

4BLANC® guarantees the lamp's operation for 12 months from the date of transfer to the customer*

*May vary depending on the country of purchase.

WHAT THE WARRANTY COVERS

Repair of the 4BLANC® product in case of factory defect or failure during the warranty period.

The decision to replace the product is made by the 4BLANC® Technical Support Team. If certain parts are discontinued at the moment of repair/replacement, 4BLANC® specialists will replace defective parts with the new functional ones.

Repairs must be carried out only by the authorized repair services. You can submit a repair request or get information about service centres by contacting our Customer Support Team via info@4blanc.com or by visiting www.4blanc.com.

When presenting the product for repair, do not forget to provide the purchase receipt.

WHAT THE WARRANTY DOES NOT COVER

Repair, replacement of units and components subject to natural wear during operation, including: power cords, filters, rollers, and wheels, as well as all associated elements.

Damage to the product caused by careless handling during storage or operation in violation of the operating instructions: cracks, scratches, chips, scuffs, deformation, tears, and stretching of components, traces of chemical and thermal effects.

Malfunctions caused by unstable electrical network parameters that do not meet established standards in the country of delivery. Storage or use in humid environments with more than 90% humidity and/or at temperatures below 0°C (32°F) or above 60°C (140°F), outdoor use.

Malfunctions caused by traces of insects on the internal components of the machine.

Service requests if unauthorized modifications have been made to the product by individuals other than those recommended by 4BLANC®.

Malfunctions due to the use of the product with devices (e.g., extension cords, voltage stabilizers, etc.) that are not original 4BLANC® accessories.

Use of the product outdoors.

Other malfunctions caused by circumstances beyond the control of 4BLANC®.

DISPOSAL INFORMATION

4BLANC® products are made from recyclable materials. Whenever possible, return the device for recycling.

This product should not be disposed of with household waste.

To avoid environmental pollution or harm to human health, recycle the product responsibly to ensure the environmentally safe reuse of material resources.

DEAR CUSTOMER!

4BLANC® Team thanks you for choosing a quality and reliable product of our brand and guarantees you a high level of service.

The manufacturer reserves the right to make changes to the design, configuration, or manufacturing technology of the product without prior notice to the customer to improve its properties.

TECHNICAL SPECIFICATIONS

Model Number:	TLS-PN21SR51
Product Material:	Aluminum Alloy + ABS + PC
Product Dimensions:	L579mm×W517mm×H516mm
Net Weight:	2.3 kg
Light Source:	LED Panel
LED Quantity:	36 pcs × 6500K
Color Temperature:	7000 K
Luminous Flux (Brightness):	2,800 lm
Color Rendering Index (Ra):	≥95
Power Consumption:	30 W
Rated Voltage Input:	220-240 V (China/Europe/UK) 100-240 V (US/Australia)
Rated Voltage Output:	27 V
LED Lifespan:	~50,000 hours
UV Filtering Rate:	50% (at 405nm)
Induction Mode:	RF433 (Remote)



4BLANC®