

NANLITE

PavoTube II 6CP LED Full-color Tube Light

USER MANUAL

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2025-08-30

Revision History

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1. Introduction

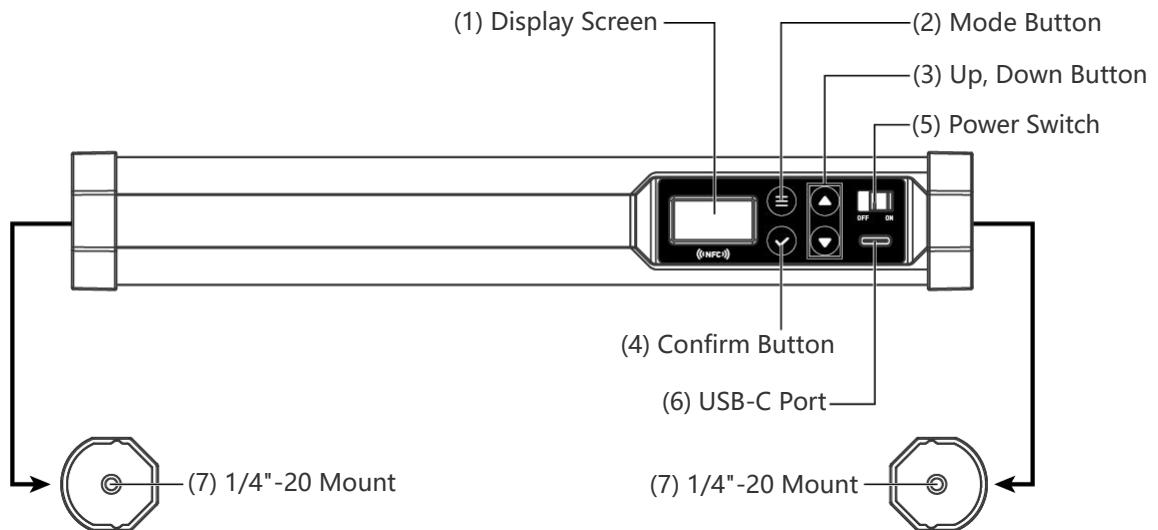
Thank you for purchasing the Nanlite product – PavoTube II 6CP!

The PavoTube II 6CP is a portable full-color LED tube light that fit all scenarios with its compact design, making it a versatile lighting solution for video production, commercial shoot, still-life photography, and more. It features a wide color temperature range from 2700K to 12000K and offers 36,000 color options, delivering delicate colors in every frame. Equipped with 15 special effects (such as storm, disco, and firework), it enhances adaptability across different scenarios and meets the demand for realistic, dynamic lighting. The fixture supports multiple power options including built-in lithium battery, charger, and power bank, ensuring reliable operation for extended shoots. It offers flexible control through the on-board, or NANLINK APP. It is compatible with various accessories to enhance creative freedom and meet diverse shooting needs with ease.

The PavoTube II 6CP will bring great convenience to your creation and inspire boundless creativity. Before using PavoTube II 6CP, please read this manual carefully to ensure you can fully utilize all the features. Hope it can work with you to create more brilliant results together.

2. Product Overview

2.1. Product Layout



- (1) Display Screen: For displaying the settings.
- (2) Mode Button: For switching to the Mode interface or return to the previous menu.
- (3) Up, Down Button: For adjusting options or values. These buttons support both short and long presses.
- (4) Confirm Button: For selecting option, deselecting option, and entering the next menu.
- (5) Power Switch: For turning on/off the fixture.
- (6) USB-C Port: For connecting power, firmware updates,.
- (7) 1/4"-20 Mount: For mounting the fixture on a light stand with a 1/4"-20 stud, on a tripod head, or on a ball head.

2.2. Specifications

Model Name	PavoTube II 6CP
Rated Power	10W
Input Voltage/Current	5V/2A
LED Light Engine	Nebula C4 Light Engine: RGBW
CCT	2700K → 12000K(G/M±150)
CRI	Average 95
TLCI	Average 95
TM-30 Rf	Average 92
TM-30 Rg	Average 100
Dimming	0%→100%, by 1% increment
Control	On-board, NANLINK APP
Special Effects	CCT Loop, INT Loop, HUE Loop, Flash, Pulse, Storm, Police Car, TV, Paparazzi, Candle/Fire, Disco, Bad Bulb, Firework, Explosion and Welding

2.3. Includes

PavoTube II 6CP × 1	Iron Plate × 3	USB-C Cable × 1
		
Carrying Bag × 1		User Manual × 1
		

3. Safety Instructions

Please read and understand all safety instructions before installing or operating the fixture. Always follow the instructions to avoid personal injury and fixture damage.

Electrical:

Danger

Please use proper and undamaged USB-C cable to connect the fixture correctly, avoiding the risk of electric shock or fixture damage.

Danger

Please disconnect the power before moving or transporting the fixture.

Installation:

Danger

Please carefully read the manual and follow the instructions to install the fixture to avoid any unnecessary incidents..

Operation:

Danger

Please do not use the fixture near flammable or explosive materials.

Danger

Please be cautious, as the flashing effect may trigger seizures.

Danger

Please keep the fixture away from corrosive liquids or high-pressure steam.

Caution

Please ensure the fixture is used in an environment between -20°C and 45°C; operating outside this temperature range may damage the fixture.

⚠ Caution

Please install the fixture in a dry, well-ventilated area, and avoid using it in damp or dusty environments. For use in damp environments, please place the fixture in a waterproof bag prior to use.

⚠ Caution

Please do not look directly at the light source without wearing protective glasses, as this may cause irreversible eye injury.

⚠ Caution

Please remind the crew to avoid eye injury caused by accidentally looking directly at the light source before the fixture lights up.

Maintenance:**⚠ Danger**

Please do not disassemble or repair any part of the fixture on your own, as this will void the warranty. Maintenance and repair work should be carried out by an authorized service center and professional personnel.

⚠ Danger

Please disconnect the power before starting any maintenance work.

⚠ Caution

Please ensure that the fixture is completely dry before transportation or storage after using it in a humid environment.

⚠ Notice

Please ensure the fixture is stored away from the following environments or items: extreme temperatures, direct sunlight, high humidity, intense vibrations, dust, strong magnetic fields, and flammable or explosive materials.

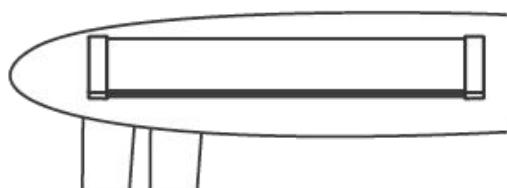
⚠ Notice

Please transport the fixture and accessories in suitable case to avoid damage.

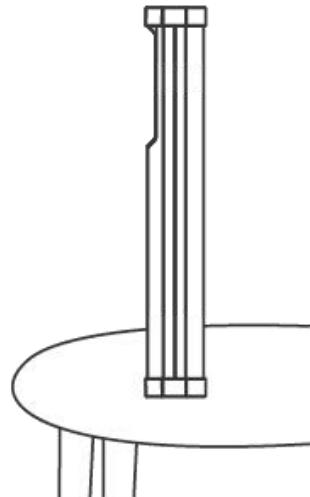
4. Installing Instructions

4.1. Position

Place the fixture directly on a flat surface.



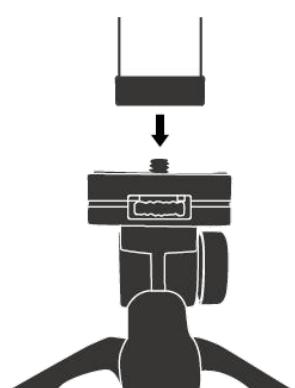
Horizontal Position



Vertical Position

4.2. Installing via 1/4"-20 Mount

The fixture can be installed on a handle tripod via the 1/4"-20 mount, on a light stand with a 1/4"-20 stud, or mounted on a light stand via a ball head (sold separately) or other accessories, for various mounting options.



Handle Tripod



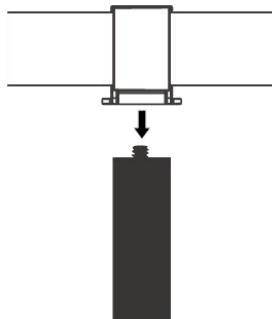
Light Stand with 1/4"-20 Stud



Ball Head

4.3. Installing via T12 Clip

The fixture can be held via a T12 clip (sold separately), and the clip can be attached to a light stand via the 1/4"-20 mount.



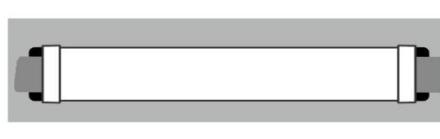
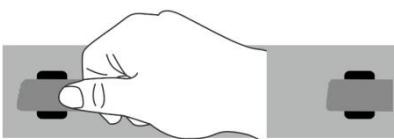
Installing via T12 Clip

4.4. Installing the Iron Plate

The fixture is equipped with powerful magnets at both ends, allowing it to be directly attached to ferrous surfaces, or with the included iron plates, attached to non-ferrous surfaces.



Attach the fixture directly

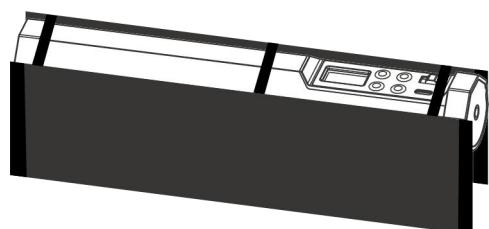
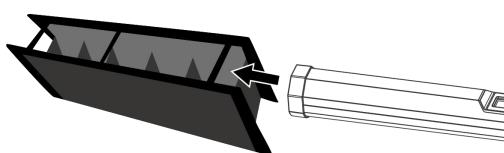


Attach the iron plates on the non-ferrous surface
via gaffer tape

Attach the fixture on iron plates

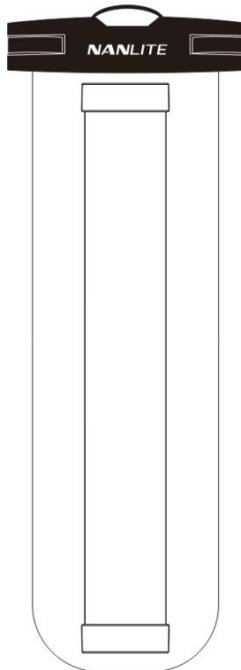
4.5. Installing the Eggcrate

Attach the eggcrate (sold separately) on the fixture via the elastic strap.



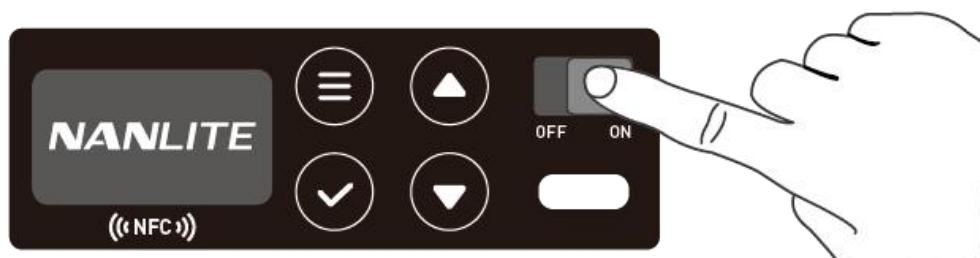
4.6. Using the Waterproof Bag

Place the fixture into the waterproof bag (sold separately) to enable the fixture to work in the rain or underwater.



5. Operating Instructions

Toggle the power switch, and the screen will display the NANLITE logo, indicating that the fixture has been turned on.



The control panel includes **Mode**, **Confirm**, **Up**, and **Down** buttons.



5.1. Lighting Mode Control

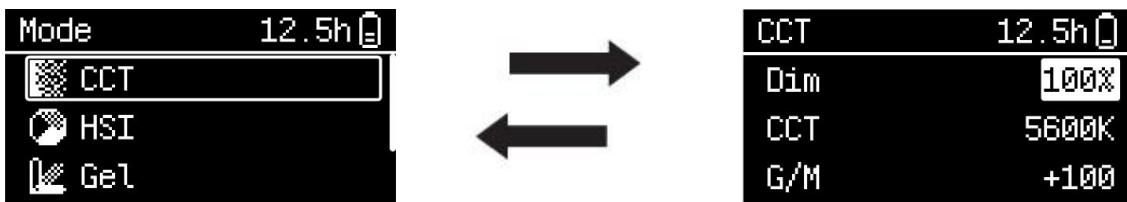
This fixture has CCT, HSI, and Effect modes.

5.1.1. Control Panel Control

(1) Mode Selection

Press the **Mode button** to enter the mode selection interface, where the currently selected mode will be highlighted.

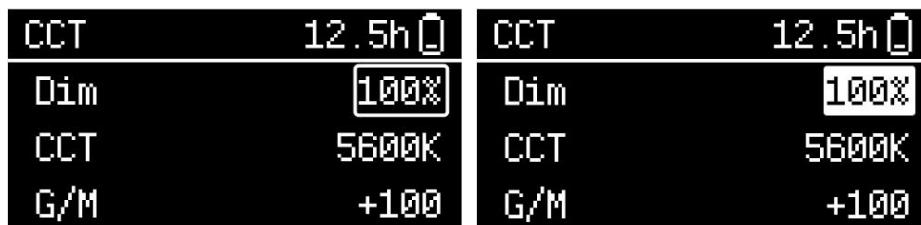
Press the **Up or Down buttons** to toggle between options, and press the **Confirm button** to enter the corresponding mode.



▲Note: In the mode interface, press the **Mode button** to return to the mode selection interface.

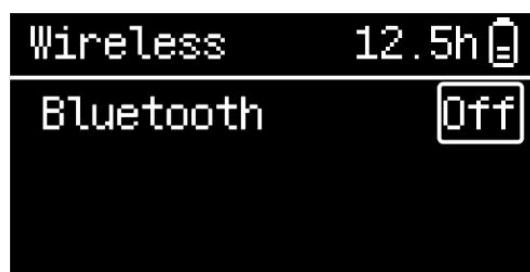
(2) Mode Operation

In the mode operation interface, press the **Up or Down buttons** to select a parameter. Press the **Confirm button** to confirm the selection (highlighted indicates selected). Press the **Up or Down buttons** to adjust the parameter, and press the **Confirm button** again to deselect and complete the setting.

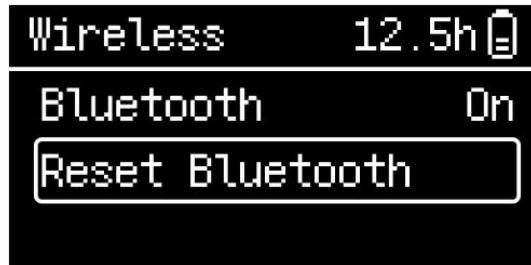


5.1.2. NANLINK APP Control-via Bluetooth

Enter the Bluetooth settings interface: Wireless Control → Bluetooth.



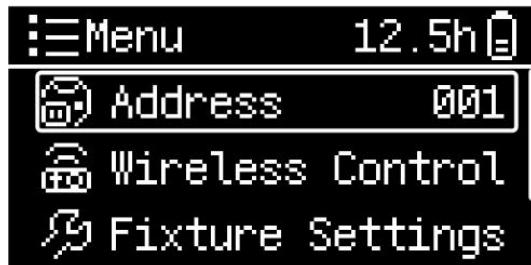
When Bluetooth is turned on, the Reset Bluetooth option appears on the interface, making it possible to reset Bluetooth.



5.2. Menu

5.2.1. Menu Overview

In the menu, there are options including Address/DMX, Wireless Control, Fixture Settings and Language.



Level 1	Level 2
Address	Address
Wireless Control	Bluetooth Reset Bluetooth
Fixture Setting	Firmware Update Reset All Settings Fixture Info
Language	/

5.2.2. Menu Operation

In the menu selection interface, press the **Up** or **Down buttons** to select an option, and press the **Confirm button** to enter the settings interface. Press the **Up** or **Down buttons** to select the parameter to be set, and press the **Confirm button** to select the parameter (highlighted indicates selected). Press the **Up** or **Down** buttons to adjust the parameter, and press the **Confirm button** again to deselect and complete the setting.

If selecting a parameter and pressing the **Confirm button** leads to a submenu or popup, select the option to be set and press the **Confirm button** to complete the setting and return to the previous menu.

In level 2 or level 3 menus, press the **Mode button** to return to the previous menu.



5.2.3. Others

(1) Firmware Update

Put the firmware files into the root directory of the USB drive (ensure the versions of the firmware files are the same), and insert the USB drive to the USB-C port, enter the Menu → Fixture Settings → Firmware Update, the system will automatically search for the firmware files.

▲Note: ① Please do not rename the firmware files.

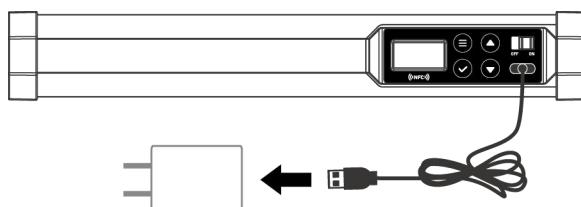
- ② Ensure the USB drive is formatted to FAT, FAT32 or exFAT.
- ③ If the instruction "No firmware found, press MODE to return" is displayed, please check whether the firmware files are correct, whether they are stored in the root directory of the USB drive, and whether the USB drive is formatted as FAT, FAT32 or exFAT.
- ④ If all the above steps have been completed and the firmware files still cannot be found, please format the USB drive again.
- ⑤ If the fixture still cannot recognize the USB drive, please replace the USB drive.

5.3. Charging Instructions

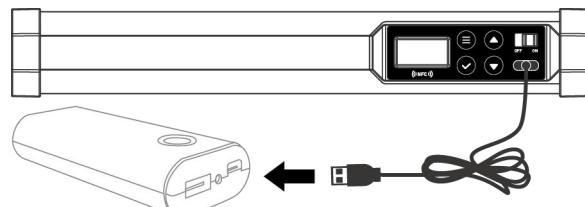
(1) The fixture has a built-in lithium battery and can be used directly after charging.

(2) Connect the fixture with a 5V/2A adapter or power bank via a USB-C cable.

▲ Note: The adapter and power bank are not included.



Connect with USB-C adapter



Connect with power bank

5.4. NFC Function

The fixture has a built-in NFC function, allowing it to quickly pair with NFC-enabled devices (with the Nanlink App downloaded), enabling fast fixture addition and other operations via the app.

6. Troubleshooting for Common Issues

Issues	Troubleshooting Guide
The fixture can't power up.	1. Please check whether the built-in battery is charged. 2. Please check whether the connections between the cable, fixture, and power outlet are loose. 3. Please check whether the power source voltage and frequency are within the specified range.
The fixture flickers.	Please check whether there are any high-temperature objects nearby that could cause the operating environment temperature to become too high.

Please scan the QR code for more details.



【Nanlite Website】



【Nanlink App】

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