

## NANLITE 2040626

# NANLITE PavoTube T8-7X RGBWW LED Pixel Tube Instruction Manual

MODEL: 2040626

## 1. Introduction

The NANLITE PavoTube T8-7X is a versatile 3-foot RGBWW LED pixel tube designed for various lighting applications in photography and videography. This manual provides essential information for the safe and effective use of your PavoTube T8-7X.

Key features include:

- **Slim Design:** Approximately 50% thinner than many LED tube lights, allowing for placement in confined spaces.
- **High Color Accuracy:** Features a CRI of 96 and TLCI of 97 for precise color reproduction.
- **Extensive Color Control:** Offers bicolor CCT, full RGB, dimming, and advanced pixel effects.
- **Integrated Pixel Effects:** Includes animated effects like Rainbow and Driving, with customization options available via the NANLINK app.
- **Flexible Mounting:** Equipped with a handgrip and a 1/4-20 socket for mounting on tripods or other gear. Its octagonal shape prevents rolling and allows for beam angle adjustment.
- **User-Friendly Controls:** Features three on-board buttons for basic operation and comprehensive control via the free NANLINK app. DMX control is also available with a separately sold USB-C to DMX Cable.
- **Built-in Battery:** Provides approximately 1 hour of operation at 100% brightness and 3.5 hours at 20% brightness. External battery options are available via the USB-C port.

## 2. Setup

### 2.1 Unboxing and Initial Inspection

Carefully remove the PavoTube T8-7X and its accessories from the packaging. Inspect all components for any signs of damage. The 4-kit version includes multiple tubes, USB-C charging cables, and a carry bag.



Figure 2.1: Contents of the Nanlite PavoTube T8-7X 4-Kit, showing multiple tubes, charging cables, and a protective carry bag.

## 2.2 Charging the Device

The PavoTube T8-7X has a built-in rechargeable battery. Connect the included USB-C cable to the USB-C port located at the end of the tube. Connect the other end to a compatible USB power source. The indicator light will show charging status.



Figure 2.2: The control end of the PavoTube T8-7X, featuring the USB-C charging port, power button, dimming controls, and CCT/HUE adjustment buttons.

## 2.3 Mounting Options

The PavoTube T8-7X can be held using its integrated handgrip or mounted using the 1/4-20 threaded socket at the control end. This allows for attachment to tripods, light stands, or other compatible accessories. The octagonal shape prevents the tube from rolling on flat surfaces and aids in directing the light beam.

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Video 2.1: An overview of the Nanlite PavoTube T8-7X, demonstrating its compact size, on-board controls, and various lighting effects. This video also shows the light being used in different scenarios, including light painting and as an accent light in a car.

# 3. Operating Instructions

## 3.1 On-Board Controls

The PavoTube T8-7X features three buttons for basic control:

- **Power Button:** Press and hold to turn the unit on or off.
- **DIM Button:** Adjusts the brightness level.
- **CCT/HUE Button:** Cycles through color temperature (CCT) and hue (RGB) settings.
- **Reset Button:** A small pinhole button for resetting the device if needed.

### 3.2 NANLINK App Control

For advanced control and customization, download the free NANLINK app. The app connects to the PavoTube T8-7X via Bluetooth, offering a wider range of settings and effects.

- **Color Temperature (CCT) Mode:** Adjust CCT from 2700K to 7500K.
- **Hue, Saturation, Intensity (HSI) Mode:** Access 36,000 color options.
- **Pixel Effects:** Utilize built-in animated effects such as Rainbow, Driving, Scroll, and more. These effects can be customized and saved as presets.
- **Group Control:** Control multiple PavoTube T8-7X units simultaneously.



Figure 3.1: The PavoTube T8-7X showcasing a dynamic multi-color light effect, ideal for creative light painting techniques.

### 3.3 DMX Control

The PavoTube T8-7X supports full DMX control via an optional USB-C to DMX Cable (sold separately). This allows integration into professional lighting setups.

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Video 3.1: A hands-on demonstration of the Nanlite PavoTube T8-7X 4-Kit, highlighting its physical attributes, on-board controls, and how it can be used in various lighting scenarios.

## 4. Maintenance

To ensure the longevity and optimal performance of your PavoTube T8-7X, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the tube. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the PavoTube T8-7X in its protective carry bag (if included) in a cool, dry place.
- **Battery Care:** Avoid exposing the device to extreme temperatures. For long-term storage, ensure the battery

is charged to approximately 50-60%.

## 5. Troubleshooting

### 5.1 Short Battery Life

The built-in battery provides approximately 1 hour of use at 100% brightness. For extended operation, connect the tube to an external power bank or a continuous power source via the USB-C port.

### 5.2 Difficulty Accessing Controls When Mounted

If the PavoTube T8-7X is mounted using the 1/4-20 socket at the control end, the on-board buttons and USB-C port may be obstructed. In such cases, utilize the NANLINK app for wireless control or consider using a compatible mounting accessory that provides clearance for the controls.

### 5.3 Connectivity Issues with NANLINK App

If the app fails to connect, ensure Bluetooth is enabled on your device and the PavoTube T8-7X is powered on. Try restarting both the app and the light. If issues persist, use the pinhole reset button on the tube.

## 6. Specifications

| Feature                        | Detail  |
|--------------------------------|---|
| Product Dimensions             | 39.44"L x 1.53"W x 1.53"H (100.18 x 3.89 x 3.89 cm) |
| Item Weight                    | 1.3 pounds (0.59 kg)                                |
| Item Model Number              | 2040626   |
| Brand                          | NANLITE   |
| Battery Life (100% brightness) | 1 Hour  |
| Connectivity Technology        | Bluetooth, USB                                      |
| Hardware Interface             | Bluetooth, USB Type C                               |
| Color Temperature Range        | 2700K - 7500K                                       |
| CRI                            | 96  |
| TLCI                           | 97  |

## **7. Warranty and Support**

For warranty information, technical support, or service inquiries, please refer to the official NANLITE website or contact their customer service directly. Keep your proof of purchase for any warranty claims.