

# NANLITE

*PavoTube II 15XR* LED RGBWW Pixel Tube Light

*PavoTube II 30XR* LED RGBWW Pixel Tube Light

*PavoTube II 60XR* LED RGBWW Pixel Tube Light



**USER MANUAL**

## ■ Introduction

Thank you for purchasing Nanlite product--PavoTube II XR!

PavoTube II XR is the LED RGBWW pixel tube light supports control on individual pixels and featured by soft light, with 2/4/8ft available. It's not only equipped with Nanlite's RGBWW color mixing technology, covering wide color temperature across 2700K to 12000K, supporting G/M adjustment ( $G/M \pm 100$ ), but also providing professional control options including on-board, Nanlink App, remote control, DMX/RDM and LumenRadio CRMX. The built-in 36000 colors, 15 special effects and 10 pixel effects, enable more creative possibilities in film and television productions, commercials, photography and content creations. Further more, the options of 2kit/4kit/8kit will be the ideal choices for different sizes of production scenarios.

## Notice

1. Please do not place any object on the light fixture or allow any liquid to flow into the interior.
2. Please do not place the fixture near any flammable or volatile substances like alcohol or gasoline.
3. Please do not use strong detergent for cleaning. Please wipe off the dirt by using a cloth with neutral cleanser when cleaning the fixture.
4. Please note that the light should be operated safely where it won't be at risk of getting wet or under extreme temperature. The operating temperature of PavoTube II 15XR and PavoTube II 30XR should not be higher than 45°C, and the operating temperature of PavoTube II 60XR should not be higher than 40°C. Do not use or store the fixture around objects with high heat.
5. Please do not mount the PavoTube II 60XR on LS-FL-1/4 stand.
6. Please do not disassemble the fixture at will to repair by yourself. Qualified professionals should conduct maintenance under the condition of strictly following the operating procedures described in this manual.

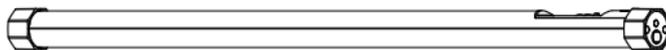
## Safety Precautions

1. Please check for possible damage caused in transit after opening the package. Please do not use if damage is found. And contact with the seller or place of purchase as soon as possible.
2. Please do not use a power cable with damaged insulation. Please do not unplug too hard or drag the power cable directly.
3. Please make sure the voltage of power supply accords with the voltage specified on the fixture before installation.
4. Please turn the fixture off when it is not in use or before cleaning.
5. Please keep the fixture safely stored and away from children.

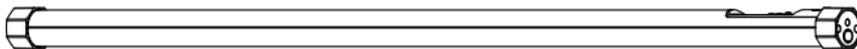
# PavoTube II 15XR/30XR/60XR

## LED RGBWW Pixel Tube Light

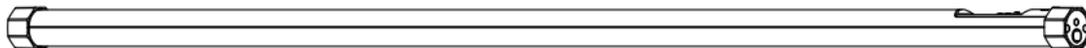
### Product Diagram



*PavoTube II 15XR*



*PavoTube II 30XR*



*PavoTube II 60XR*

### Technical Data

#### Model No.: PavoTube II 15XR

Rated Power: 35W

Input: DC 15V/2A Max

AC 100-240V 50/60Hz

Lithium Battery: 14.8V/2200mAh

Color Temperature: 2700K-12000K

CRI: Average 97

TLCI: Average 98

#### Model No.: PavoTube II 30XR

Rated Power: 70W

Input: DC 15V/4A Max

AC 100-240V 50/60Hz

Lithium Battery: 18.5V/4400mAh

Color Temperature: 2700K-12000K

CRI: Average 97

TLCI: Average 98

#### Model No.: PavoTube II 60XR

Rated Power: 106W

Input: DC 15V/6.5A Max

AC 100-240V 50/60Hz

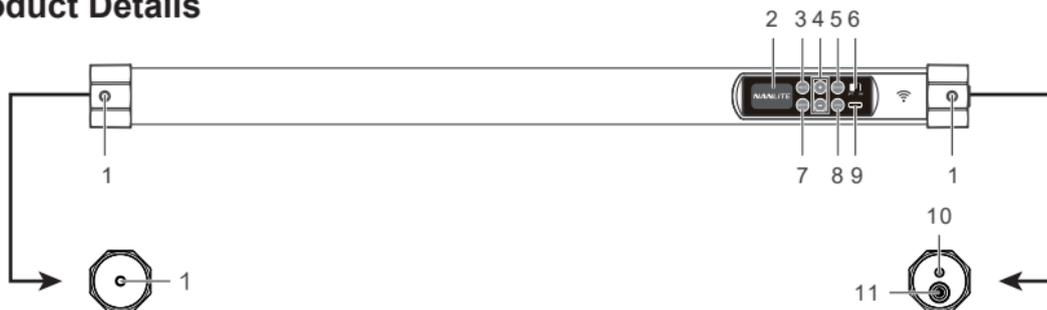
Lithium Battery: 18.5V/8800mAh

Color Temperature: 2700K-12000K

CRI: Average 97

TLCI: Average 98

## Product Details



## Detailed Description

- 1/4-20 Mount Receiver: To match the accessories with 1/4-20 mount.
- Display: Menu and option display.
- MODE Button: Switch among CCT, HSI, EFFECT, PIXEL modes and MENU.
- "+" & "-": Increase or decrease settings, supports long/short press.
- TRIGGER Button: For triggering STORM MANUAL and EXPLOSION MANUAL effect.
- Power Switch: Power on/off.
- SWITCH Button: Switch selected options.
- LOCK Button: Long press for 3s to lock the current settings. At this moment, any operations like pressing the button will not change the current settings. Long press for 3s again to release the lock state.
- USB Type-C port: For firmware updates.
- DC Power Socket: DC power input interface.
- DMX Interface: Plug in DMX adapter cable for DMX signal input and output.  
( Note: The DMX adapter cable is not included.)

## Includes

PavoTube II 15XR

PavoTube II 15XR ×1	15V/2A Power Adapter ×1	Power Adapter Rubber Strap ×1
		
Power Cable ×1	Clip ×1	Eyebolt ×2
		
USB Drive ×1	User Manual ×1	Carrying Bag ×1
		

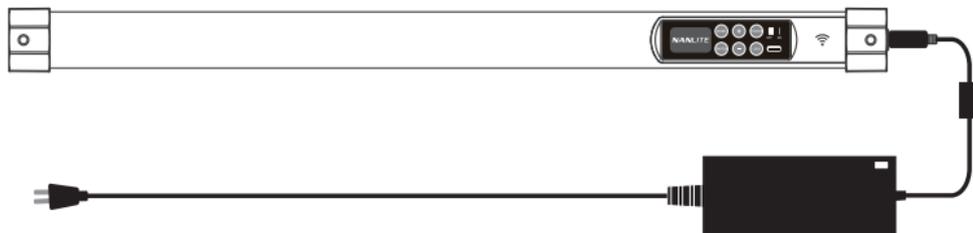
PavoTube II 30XR

PavoTube II 30XR ×1	15V/4A Power Adapter ×1	Power Adapter Rubber Strap ×1
		
Power Cable ×1	Clip ×1	Eyebolt ×2
		
USB Drive ×1	User Manual ×1	Carrying Bag ×1
		

## Usage

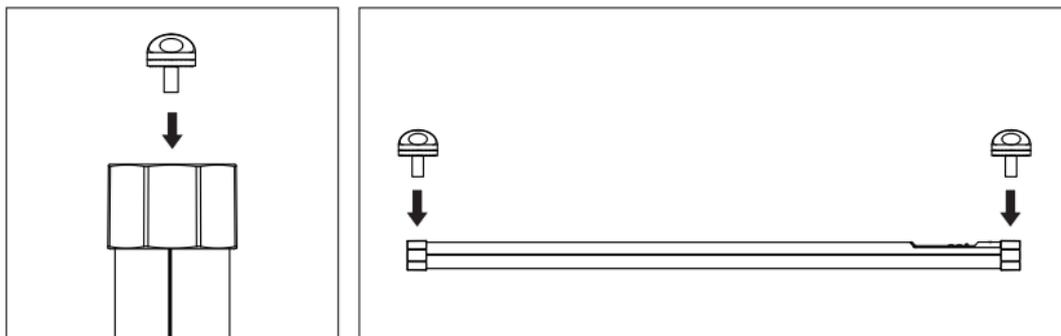
### 1. Power Connection

#### 1.1 Connect the fixture with power adapter



1.2 The built-in battery will automatically power the unit after being charged and disconnected with the power source.

### 2. Eyebolt Installation



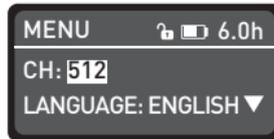
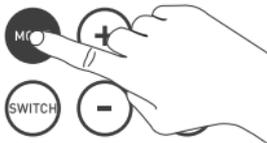
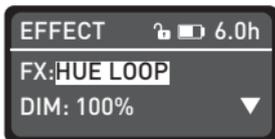
## Remote Control

· PavoTube II 15XR/30XR/60XR support DMX/RDM, 2.4G and CRMX remote control, they also have built-in Bluetooth module.

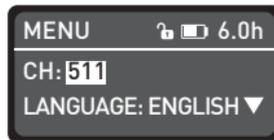
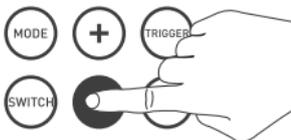
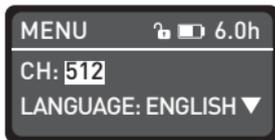
▲ The channel needs to be set before operating the remote control via DMX/RDM, 2.4G and CRMX.

1. Channel/DMX, includes CHANNEL, DMX MODE, DMX PIXEL, DMX REDUCED CHANNEL, DMX DIMMING CURVE and DMX SMOOTHING.

### 1.1 CHANNEL

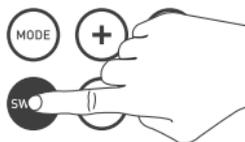
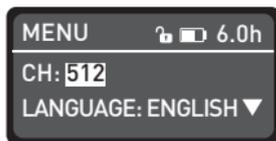


Press the MODE button to enter the MENU interface.

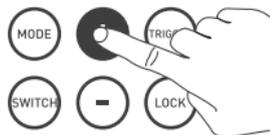


Press "+" or "-" to set the corresponding parameters.

## 1.2 DMX MODE

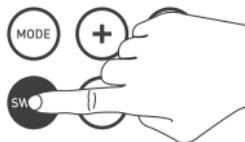


Press the SWITCH button to DMX MODE.



Press "+" or "-" to select the desired DMX mode.

## 1.3 DMX PIXEL



Press the SWITCH button to DMX PIXEL.



Press "+" or "-" to select the desired amount of DMX pixel.

#### 1.4 DMX REDUCED CHANNEL

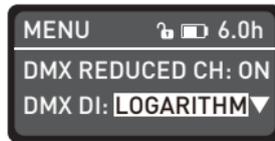
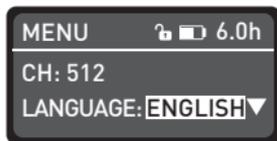


Press the SWITCH button to DMX REDUCED CHANNEL.

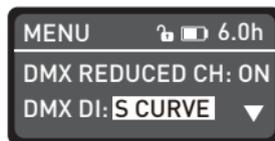
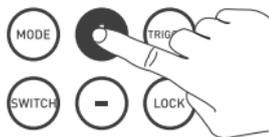
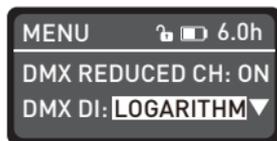


Press "+" or "-" to select ON or OFF.

### 1.5 DMX DIM CURVE

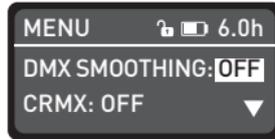
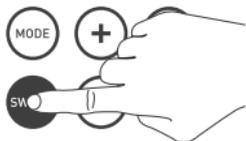
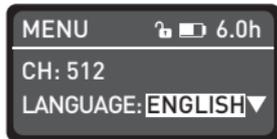


Press the SWITCH button to DMX DIM CURVE.

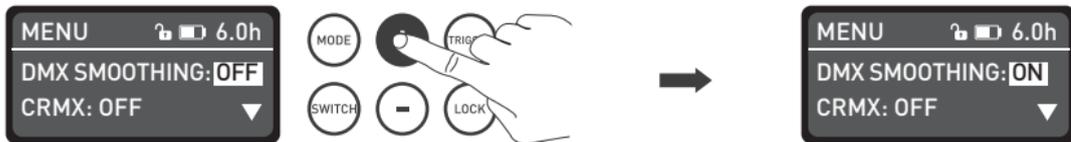


Press "+" or "-" to select the desired DMX dimming curve.

### 1.6 DMX SMOOTHING



Press the SWITCH button to DMX SMOOTHING.



Press "+" or "-" to select ON or OFF.

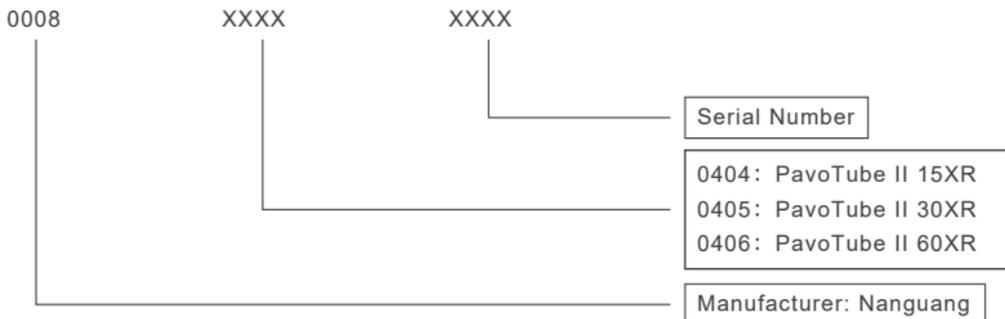
## 2. RDM Remote Control

2.1 Connect the light fixture to the console with RDM function via DMX adapter cable.

2.2 Control the fixture by the console with RDM function.

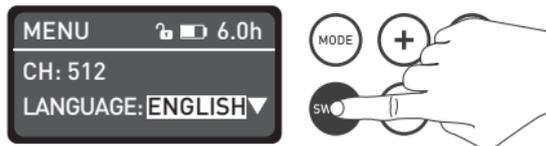
(For specific operation methods, please refer to the RDM console operation manual.)

Note: The UID format of the fixture is as follows:



### 3. Wireless Control

#### 3.1 Bluetooth Reset



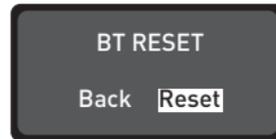
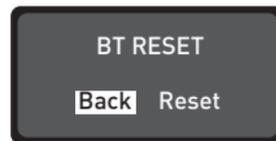
Press the SWITCH button to BT: RESET.

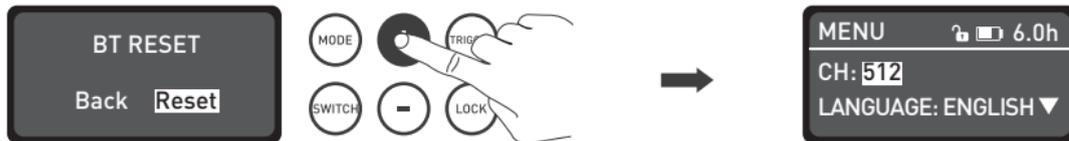


Press "+" or "-" to the interface of reset Bluetooth.



Press the SWITCH button to select Reset.





Press " + " or MODE button to reset the Bluetooth, and it will automatically return to the menu after Bluetooth reset.

### 3.2 2.4G Remote Control

- Set the channel of the 2.4G remote controller to be consistent with that on the light fixture, enabling the PavoTube II 15XR/30XR/60XR to be remotely controlled by 2.4G remote controller or by Nanlink App via the WS-TB-1 transmitter box.

Note: 1. 2.4G remote controller and transmitter box are sold separately.

2. The fixture supports the 2.4G wireless protocol V1.0 and V2.0. The fixture should be set in V2.0 while using WS-RC-C2 remote controller, set in V1.0 while using other remote controllers.

### 3.3 CRMX Remote Control



Press the SWITCH button to CRMX.

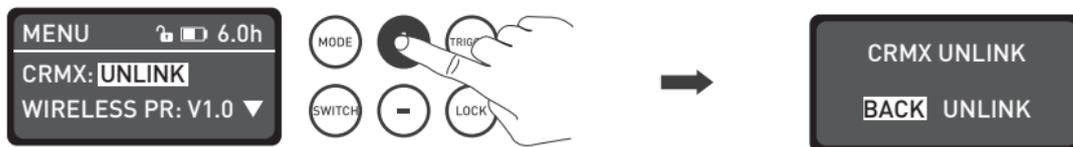


Press "+" or "-" to select ON or OFF.

- With the CRMX switched on, the fixture can receive the CRMX wireless DMX signal and be controlled remotely. When the fixture needs to stop receiving the CRMX wireless DMX signal, just set the fixture to UNLINK.



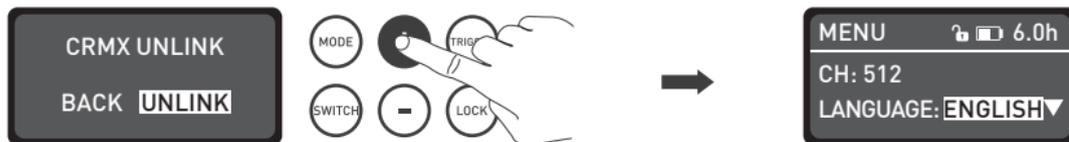
Press the SWITCH button to CRMX: UNLINK.



Press "+" to enter the interface.



Press the SWITCH button to select BACK or UNLINK.



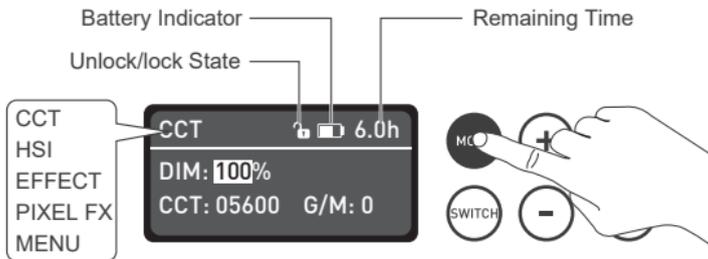
Press "+" for setting.

## Operating Instructions

1. Toggle the light switch to turn on the light, "NANLITE" logo will be displayed on start up.



2. MODE Button: Press MODE button to switch among CCT, HSI, EFFECT, PIXEL FX and MENU.

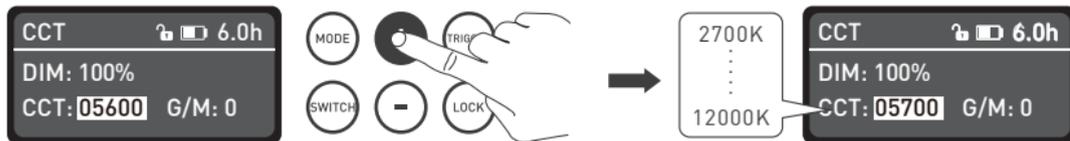


3. CCT Mode: Press SWITCH button to select from DIM, CCT and G/M, press "+" and "-" to adjust the value of DIM, CCT and G/M.

DIM range: 000% --100%, CCT range: 2700K -- 12000K, G/M range: -100 -- +100.



Press the SWITCH button to select from DIM, CCT and G/M.



Press "+" or "-" to set the corresponding parameters.

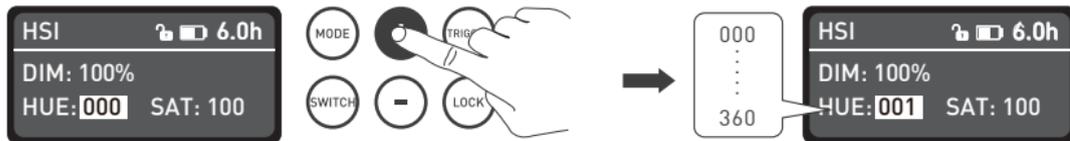
Note: In EFFECT mode, the adjustable range of DIM, CCT and G/M are the same as CCT mode.

4. HSI Mode: Press SWITCH button to select from DIM, HUE and SAT, press "+" or "-" to adjust the value of DIM, HUE and SAT.

DIM range: 000% -- 100%, HUE range: 000 -- 360, SAT range: 000 --- 100.



Press SWITCH button to select from DIM, HUE and SAT.



Press "+" or "-" to set the corresponding parameters.

Note: In EFFECT mode, the adjustable range of DIM, HUE and SAT are the same as HSI mode.

5. Effect Mode: Press "+" or "-" to select desired special effect. PavoTube II 15XR/30XR/60XR have built-in effects including HUE Loop, CCT Loop, INT Loop, CCT Flash, HUE Flash, CCT Pulse, Hue Pulse, Storm Auto, Storm Manual, Police Car, TV, Paparazzi, Candle/Fire, Disco, Bad Bulb, Firework, Explosion Auto, Explosion Manual and Welding.



Press "+" or "-" to select desired special effect.



Press SWITCH button to switch options.



Press "+" or "-" to set the corresponding parameters.

6. PIXEL FX mode, PavoTube II 15XR/30XR/60XR have built-in pixel effects including HUE Loop, CCT Loop, INT Loop, Multicolor, Fade, Scroll and Rainbow. The setting method is the same as Effect mode.

## 7. MENU

Press MODE button to switch to MENU, press SWITCH button to switch between CHANNEL, LANGUAGE, DMX MODE, DMX PIXEL, DMX REDUCED CHANNEL, DMX DIM CURVE, DMX SMOOTHING, CRMX, WIRELESS PROTOCOL, BLUETOOTH RESET and VERSION.

7.1 Channel Setting, please refer to P08 for details.

7.2 Language Setting



Press SWITCH button to LANGUAGE.



Press "+" or "-" to select ENGLISH or 中文.

7.3 DMX MODE Setting, please refer to P09 for details.

7.4 DMX PIXEL Setting, please refer to P09 for details.

7.5 DMX REDUCED CHANNEL Setting, please refer to P10 for details.

7.6 DMX DIMMING CURVE Setting, please refer to P11 for details.

7.7 DMX SMOOTHING Setting, please refer to P11 for details.

7.8 CRMX Setting, please refer to P14 for details.

7.9 WIRELESS PROTOCOL Setting, please refer to P12 for details.

7.10 BLUETOOTH Setting, please refer to P13 for details.

7.11 VERSION



Press SWITCH button to VERSION to check the current version.

8. LOCK Button: Long press the LOCK button for 3s to lock the current settings. At this moment, any operations like pressing the button will not change the current settings. Long press the LOCK button for 3s again to release the lock state.



9. When the fixture is not in use, please turn it off.

## General Fault Detection and Diagnosis

Fault Detection	Diagnosis
The fixture won't boot up properly.	<ol style="list-style-type: none"> <li>1. Please check whether the connection between power adapter and cable or fixture socket are loose.</li> <li>2. Please check whether the voltage value is within the specified range.</li> </ol>
The fixture can be operated manually, but DMX control is not working.	<ol style="list-style-type: none"> <li>1. Please check whether the channel setting is correct.</li> <li>2. Please check whether the DMX connection cable is connected correctly and without damaged.</li> </ol>
The display screen is on but no light output.	Please check if the DIM is set to zero or in storm/welding effect.
The light is flickering.	<ol style="list-style-type: none"> <li>1. Please check if there are any high temperature object nearby that make the surrounding environment temperature too high.</li> <li>2. Please ensure the fixture is not in EFFECT mode.</li> </ol>
If the failure is not resolved after troubleshooting, please contact place of purchase.	

## Multi-light Kit

### PavoTube II 15XR 2KIT

PavoTube II 15XR×2	Power Cable×2	USB Drive×1
15V/2A Power Adapter×2	Clip×2	User Manual×1
Power Adapter Rubber Strap×2	Eyebolt×4	2kit Carrying Bag ×1

### PavoTube II 15XR 4KIT

PavoTube II 15XR×4	Power Cable×4	USB Drive×1
15V/2A Power Adapter×4	Clip×4	User Manual×1
Power Adapter Rubber Strap×4	Eyebolt×8	4kit Carrying Bag ×1

### PavoTube II 15XR 8KIT

PavoTube II 15XR×8	Power Cable×8	Floor Stand×8
15V/2A Power Adapter×8	1/8 DC Power Cable×1	USB Drive×1
Power Adapter Rubber Strap×8	Clip×16	User Manual×1
8-in-1 Power Adapter Holder×1	Eyebolt×16	Hard Case×1

### PavoTube II 30XR 2KIT

PavoTube II 30XR×2	Power Cable×2	USB Drive×1
15V/4A Power Adapter×2	Clip×2	User Manual×1
Power Adapter Rubber Strap×2	Eyebolt×4	2kit Carrying Bag×1

#### PavoTube II 30XR 4KIT

PavoTube II 30XR×4	Power Cable×4	USB Drive×1
15V/4A Power Adapter×4	Clip×4	User Manual×1
Power Adapter Rubber Strap×4	Eyebolt×8	4kit Carrying Bag ×1

#### PavoTube II 30XR 8KIT

PavoTube II 30XR×8	Power Cable×8	Floor Stand ×8
15V/4A Power Adapter×8	1/8 DC Power Cable×1	USB Drive×1
Power Adapter Rubber Strap×8	Clip×16	User Manual×1
8-in-1 Power Adapter Holder×1	Eyebolt×16	Hard Case ×1

#### PavoTube II 60XR 2KIT-S Kit

PavoTube II 60XR×2	Power Cable×2	USB Drive×1
15V/6.5A Power Adapter×2	Clip×4	User Manual×1
Power Adapter Rubber Strap×2	Eyebolt×4	Carrying Bag×1

#### PavoTube II 60XR 4KIT-S Kit

PavoTube II 60XR×4	Power Cable×4	USB Drive×1
15V/6.5A Power Adapter×4	Clip×8	User Manual×1
Power Adapter Rubber Strap×4	Eyebolt×8	Carrying Bag×1

## PavoTube II 60XR 8KIT

PavoTube II 60XR×8	1/8 DC Power Cable×1	Multi-angle Mount ×16
15V/6.5A Power Adapter×8	Clip×16	USB Drive×1
Power Adapter Rubber Strap×8	Eyebolt×16	User Manual×1
Power Cable×8	Magnet Tube Clip ×16	Flight Case ×1
DMX Adapter Cable ×8		

## Optional Purchase

CB-DMX-ACP-1/2 DMX Adapter Cable with Aviation Connector

AS-WT-PTII15X Waterproof Housing IP68

AS-WT-PTII30X Waterproof Housing IP68

AS-WT-PTII60X Waterproof Housing IP68

LS-FL-1/4 Floor Stand

LS-FL-T12 Floor Stand for T12 Tube Light

LS-FL-T12-PT-8FT Floor Stand for PavoTube II 60X

HD-T12-1-MC Magnet Tube Clip

AS-MAM-PTIIX Multi-angle Mount

HD-T12-1-BPR T12 Tube Light Clip with 2-Way Baby Pin Receiver

FR-T12-8 Eight-light Frame

CC-S-PTII60X Carrying Bag

Please scan the QR code for more details.



DMX Reference Guide



Detailed User Manual



Nanlite Website

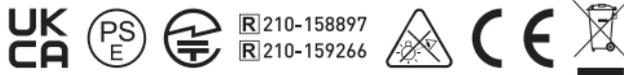


Nanlink App

This manual has been compiled according to the rigorous testing for Nanlite products.  
Product designs are subject to change without prior notice. The latest version  
of the manual for this product is downloadable at [www.nanlite.com](http://www.nanlite.com).

## Certification

IP54 RoHS D -- 0.5m | FC




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Made in China

WWW.NANLITE.COM

# NANLITE

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