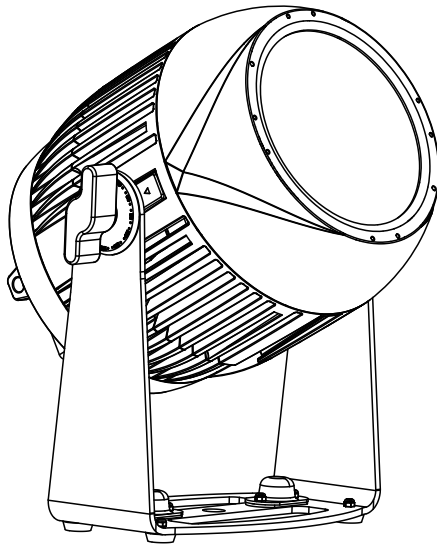


# *User Manual*



# **LEDING**

## **BOLT W**



---

***Please read carefully before use***

*Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.*

# SAFETY INTRODUCTION

Before you operate this unit read the manual carefully. Always make sure to include the manual if you pass/rent/sell the unit to another user. Keep in mind that this manual cannot address all possible dangers and environments. Please use your own caution when operating. This product is for professional use only. It is not for household use.



- Do not operate the unit in areas of high temperature conditions. It will cause abnormal function or damage the product.
- Always use a suitable safety wire when mounting the light overhead.
- Connect the safety wire only to the intended safety mount.
- Always follow local safety requirements.



- Only qualified personnel may repair this product.
- Do not open the product housing.
- Do not apply power if the light is damaged.



- Do not directly look into the light.
- It can cause harm to your eyes.
- Do not look at the LEDs with a magnifying glass or any other optical instrument that may concentrate the light output.
- Please don't look at the light directly when the light's radiation temperature reach 40 °C



- The exterior surfaces of the light can become hot, up to 55°C during normal operation.
- Ensure that accidental physical contact with the device is impossible.
- Install only in ventilated locations.
- Do not cover the light.



- Always charge with the flight case open.
- It is recommended to charge at a temperature between 15°C and 35°C



- Do not look directly at the light source.



- Don't throw the unit into the garbage at the end of its lifetime.
- Make sure to dispose is according to your local ordinances and/or regulations, to avoid polluting the environment!
- The packaging is recyclable and can be disposed.



—2.0m ta 45 °C

# GENERAL PRODUCT INFORMATION

## 1. Standard Configuration

- 1x BOLT W
- 1x True one power cable

In addition, we offer a range of professional accessories (optional). Please see under menu or at our website [www.leding.pt](http://www.leding.pt)

## 2. Control Functions

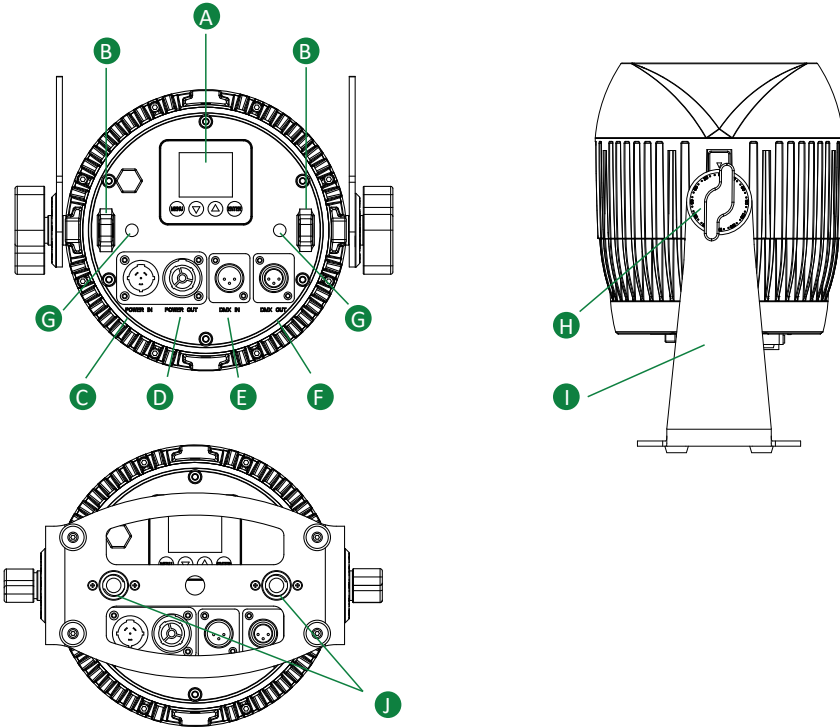
- 1CH.4CH.4bCH.8CH.10CH.12CH
- Master&Slave mode
- CRMX Wireless DMX(optional)
- VISION APP(optional)

## 3. Features

- Light Source: Main Led Panel:1\*300W Red+Amber+WW
- Native beam angle(s):110°
- Initial field of view (spot angle):85°
- Power consumption: 295W
- Voltage: 100~240V/ 50~60Hz
- Light output all LEDs on: 31940 LM
- Illuminance Lux @ 2m:4678 lx
- Illuminance Lux @ 5m:748 lx
- Illuminance Lux @ 8m:292 lx
- Illuminance Lux @ 10m:187 lx
- Run Mode: DMX 512 /Master Slave/Auto Run
- Maximum 66 ID setting for easy separately control
- Wireless DMX from Sweden
- 10 internal programs and 10 customerize programs
- 4 different dimming curve
- Smart temperature control
- Working time record
- Material: Aluminum body
- Painting: an-ti salt & an-ti UV
- TFT displayer with four buttons
- LCD Touch Screen
- IP65
- Temperature: -40°C~45°C
- N.W: 4.5 KG
- Dimensions: 293.5x 255 x 190mm

# INSTALLATION&SETUP

## 1. Connections



A: LCD Touch Screen

B: Safety rope hole

C: Power In

D: Power Out

E: DMX In

F: DMX Out

G: Mounting points for fast lock metal plate

H: Knob

I: Handle-removable


J: Mounting point for fast lock

# OPERATION

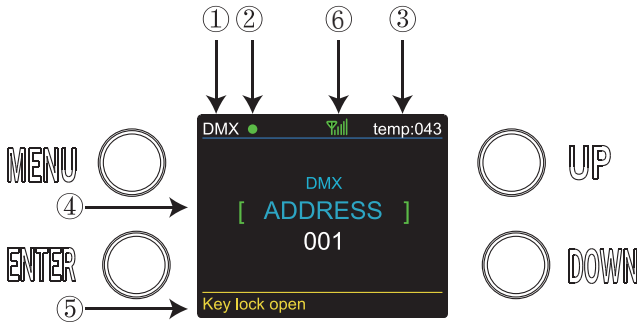
## 1. Control Display

 LCD Touch Screen

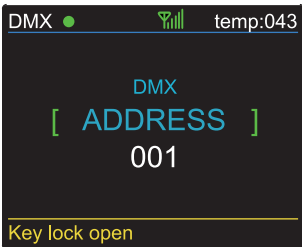
  Press arrows to scroll up and down inside the menu and change values, such as DMX address

 Press ENTER to access theselection menu for system settings or confirm changes

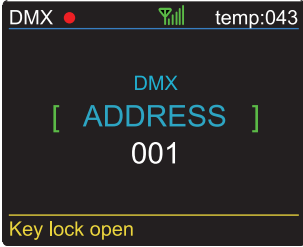
## 2. Displayer Introduction



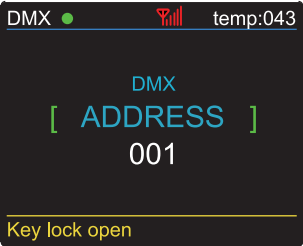
1. When you enter DMX Mode, it will be showed DMX, when you enter SLAVE Mode, it will be showed SLAVE.
2. This shows the condition of signal transmission. Green is connected. Red is disconnected.
3. This shows the temperature of the lights.
4. This shows the menus you can select.
5. This shows the condition of key lock. "Key lock open" means it is open and "Key lock off" means it is close.
6. This shows the condition of wireless signal. Green is connected. Red is disconnected.



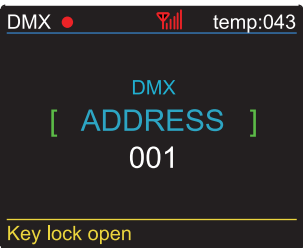
While DMX and Wireless signal are green, it means DMX Mode and Wireless are connected.



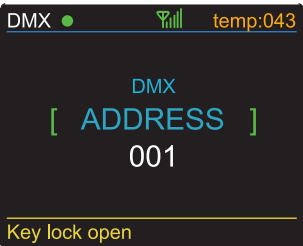
While DMX shows red but Wireless signal shows green,it means DMX Mode is disconnected and Wireless is connected.



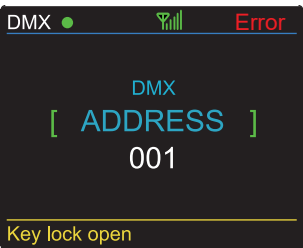
While DMX shows green but Wireless signal shows red,it means DMX Mode is connected and Wireless is disconnected.



While DMX and Wireless are show red,it means DMX Mode and Wireless are disconnected.

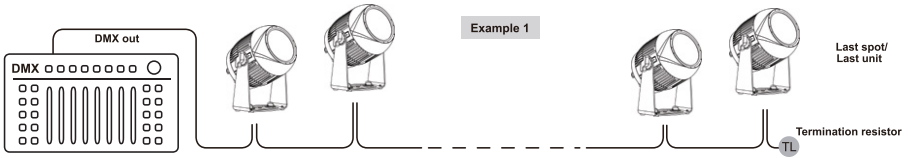


While the letters and number shows change from white to yellow,it means the temperature beyond max temperature of default settings.

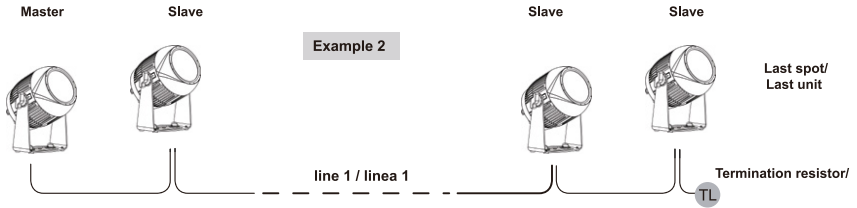


While the letters and number shows Error,it means have some problems of temperature.

### 3. DMX connection



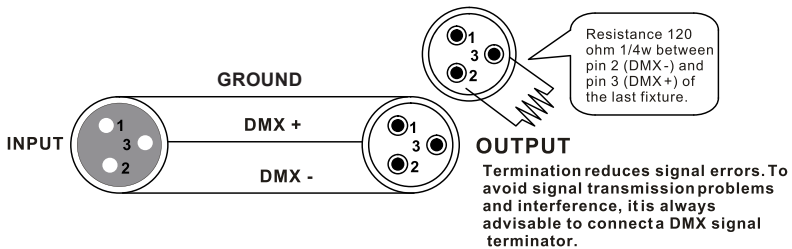
### 4. Master / Slave connection



### 5. CABLE CONNECTORS

Cabling must have a male XLR connector on one's end and a female XLR connector on the other's end.

#### DMX connector configuration



Caution: Do not allow contact between the ground and the fixture's chassis ground. Grounding the ground can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify positive pole and to make sure the pins are not grounded or shorted to the shield or each other.

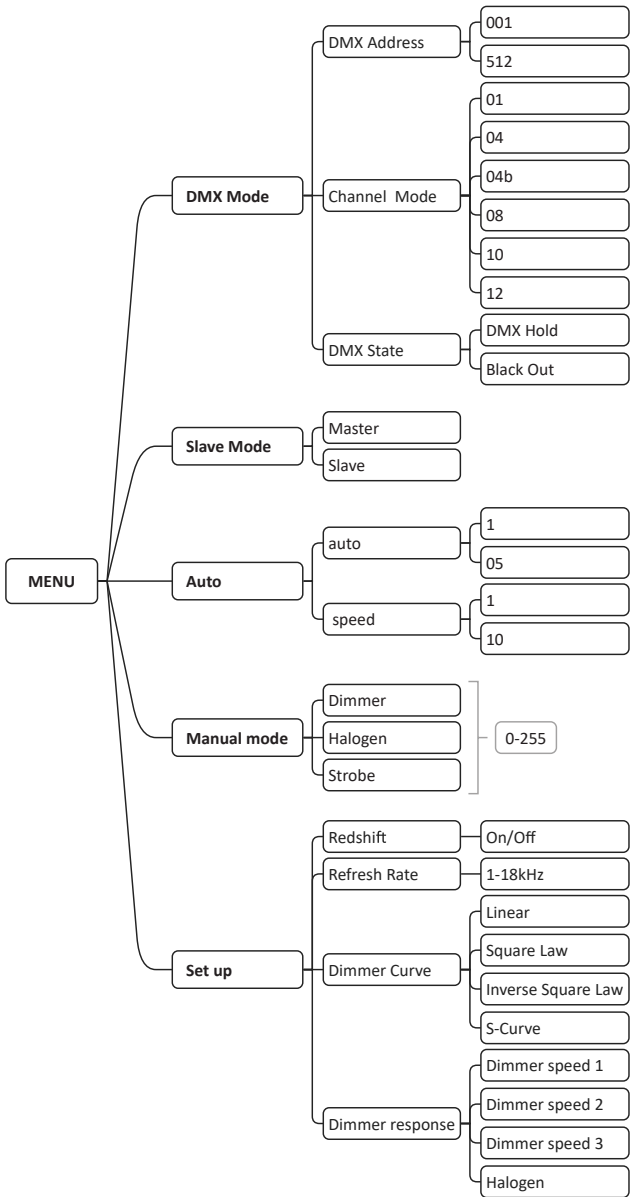
### 3-PIN TO 5-PIN CONVERSION CHART

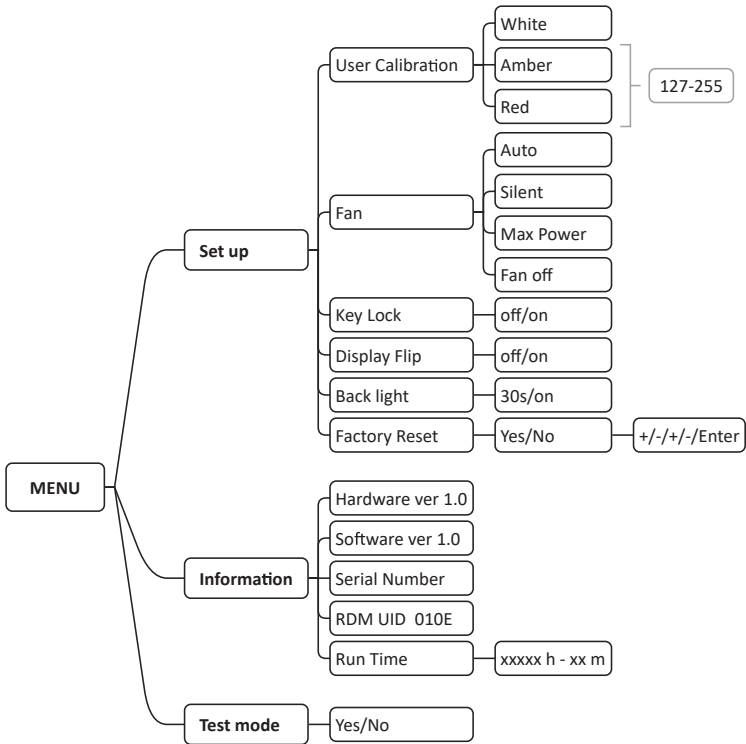
Please note if you use a controller with a 5 pin DMX output connector, you need to use a 5 pin to 3 pin adapter. The chart below details a proper cable conversion:

3-PIN TO 5-PIN CONVERSION CHART

Conductor	3 Pin Female (output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data ( - ) signal	Pin 2	Pin 2
Data ( + ) signal	Pin 3	Pin 3
Do not use		Do not use
Do not use		Do not use

# PROGRAMME MENU





**DMX Address and Channels Mode**-In these menu,you can connect several pieces of lights with DMX cable and control them with control console.

1. Press "ENTER" and then press "UP" or "DOWN" to "DMX Address" or "Channels Mode" and press "ENTER".

1) "XXX" will be showed in "DMX Address", "XXX" means the Address 1-512. You can press "UP" or "DOWN" to select the address you desired.

2) "Channel [xx]" will be showed in "Channels Mode", "XX" means 5 kinds of DMX Channels Modes. You can press "UP" or "DOWN" to select the Channel Mode you desired.

3) DMX STATE-In this menu,you can choose the DMX signal you desired. Press "ENTER" and you can choose "BLACKOUT" or "DMX HOLD";"BLACKOUT" means cut off the DMX signal and "DMX HOLD" means connect DMX signal.

**SLAVE MODE**-In this menu, you can select one light as the MASTER light and other lights in SLAVE Mode will run following the MASTER light.

1. Press "ENTER" and then press "UP" or "DOWN" to "SLAVE Mode".

2.Press "ENTER" and "SLAVE" will be showed, then press "ENTER" to select.

**AUTO MODE**-In this menu, you can select your desire AUTO Mode and adjust the running speed.

1. Press "ENTER" and then press "UP" or "DOWN" to "AUTO MODE".

2. Press "ENTER" then "SPEED" or "AUTO MODE" is showed.Then press "ENTER" and you can see 2 items as below:

1) SPEED - It provides "01-10" for you choose.

2) AUTO MODE - It provides "AUTO 1- AUTO 5" for you choose.

**Manual MODE**-In this menu,you can adjust dimmer, halogen, strobe you desired.

1. Press "ENTER" and then press "UP" or "DOWN" to "MANUAL MODE".

2. Press "ENTER" and there has 3 options then press "UP" or "DOWN" to select the value you desired as below:

1) Dimmer - You can adjust the overall brightness in this menu.

2) Halogen - You can adjust the brightness of halogen in this menu.

3) STROBE - You can adjust the speed of strobe in this menu.

**SET UP**-In this menu, you can adjust the value of the function.

1. Press "ENTER" and then press "UP" or "DOWN" to "SET UP".

2. Press "ENTER" and there has 10 options then press "ENTER" to select the options and press "UP" or "DOWN" to select the value you desired as below:

1)RedShift - In this item,the lamp displays the halogen effect when you select ON,and the lamp turns off the halogen effect when you select OFF.

2)Refresh Rate - it provides 1-18KHz of refresh rates for your choose

3)Dimmer Curve - It provides 4 kinds of dimmer curves for you choose.

4)User CAL - You can adjust the brightness of white 1, amber 1, red 1, white 2, amber 2, red 2, CW 1, WW 1, CW 2, WW 2.

5)Fan - You can adjust the speed of the fan.

6)Key Lock - You can select "OFF" or "ON" to make the Key Lock turn off all the time or turns on.

7)Invert - You can select the Main LED or Back LED On/Off.

8)Display Flip - You can turn on/off the display flip.

9)Back light - You can choose turn on the backlight all the time or choose turn off 30s later.

10)FACTORY RESET-In this item, you can reset all the value of the system.

**INFORMATION**-In this menu, you can learn about the information of RDM, software, hardware , serial number, temperatures and the run time of the light.

1. Press "ENTER" and then press "UP" or "DOWN" to "INFORMATION".
2. Press "ENTER" and select "RDM", "Serial number", "Temperatures", "Software", "Hardware" or "Run times".Then press "ENTER",you can see 4 items as below:
  - 1) Hardware - It shows the Hardware information.
  - 2) Software - It shows the Software information.
  - 3) Serial number - It shows the serial number information.
  - 4) RDMUID - It shows RDM information.
  - 5) Run times - It shows the working hours of the light.

Test mode - In this menu,you can test if the light work normally.

## DMX CONTROL MODE

1 CHANNELS		
Channel	Value	Function
1	000 - 255	Halogen Dimmer

4 CHANNELS		
Channel	Value	Function
1	000 - 255	Halogen Dimmer
2	000 - 255	Dimmer Curve
3	000 - 255	Dimmer Response
4	000 - 255	Redshift

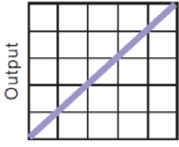
4b CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Shutter
3	000 - 255	Duration
4	000 - 255	Halogen Dimmer

8 CHANNELS		
Channel	Value	Function
1	000 - 255	Master dimmer
2	000 - 255	Shutter
3	000 - 255	Duration 0 - 100% (0ms - 510ms)
4	000 - 255	Halogen Dimmer
5 Dimmer curve	000 - 51	No Function - Current Preset from Menu Settings
	052-101	Linear Dimmer Curve
	102-152	Square Law
	153-203	Inverse Square Law
	204-255	S-Curve
6 Dimmer response	000-042	No Function - Current Preset from Menu Settings
	043-084	Dimmer speed 1
	085-126	Dimmer speed 2
	127-169	Dimmer speed 3
	170-255	Halogen
7 Redshift	000 - 084	No Function - Current Preset from Menu Settings
	085 - 170	Redshift Off
	171 - 255	Redshift On
8	000 - 255	Device setting

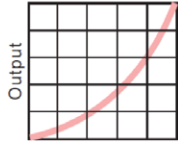
10 CHANNELS		
Channel	Value	Function
1	000 - 255	Master dimmer
2	000 - 255	Shutter
3	000 - 255	Duration 0 - 100% (0ms - 510ms)
4	000 - 255	Halogen Dimmer
5 Dimmer curve	000 - 51	No Function - Current Preset from Menu Settings
	052-101	Linear Dimmer Curve
	102-152	Square Law
	153-203	Inverse Square Law
	204-255	S-Curve
6 Dimmerr response	000-042	No Function - Current Preset from Menu Settings
	043-084	Dimmer speed 1
	085-126	Dimmer speed 2
	127-169	Dimmer speed 3
	170-255	Halogen
7 Redshift	000 - 084	No Function - Current Preset from Menu Settings
	085 - 170	Redshift Off
	171 - 255	Redshift On
8	000-255	Auto effect
9	000-255	Auto speed
10	000-255	Device setting

12 CHANNELS		
Channel	Value	Function
1	000 - 255	Master Dimmer
2	000 - 255	Master Dimmer fine
3		Shutter
4	000 - 255	Duration 0 - 100% (0ms - 510ms)
5	000 - 255	Halogen dimmer
6	000 - 255	Halogen dimmer fine
7	000 - 51	No Function - Current Preset from Menu Settings
	052-101	Linear Dimmer Curve
	102-152	Square Law
	153-203	Inverse Square Law
	204-255	S-Curve
8	000-042	No Function - Current Preset from Menu Settings
	043-084	Dimmer speed 1
	085-126	Dimmer speed 2
	127-169	Dimmer speed 3
	170-255	Halogen
9	000 - 084	No Function - Current Preset from Menu Settings
	085 - 170	Redshift Off
	171 - 255	Redshift On
10	000-255	Auto effect
11	000-255	Auto speed
12	000-255	Device setting

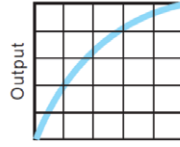
## DIMMER CURVE



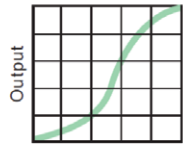
DMX %  
LINEAR



DMX %  
SQUARE LAW

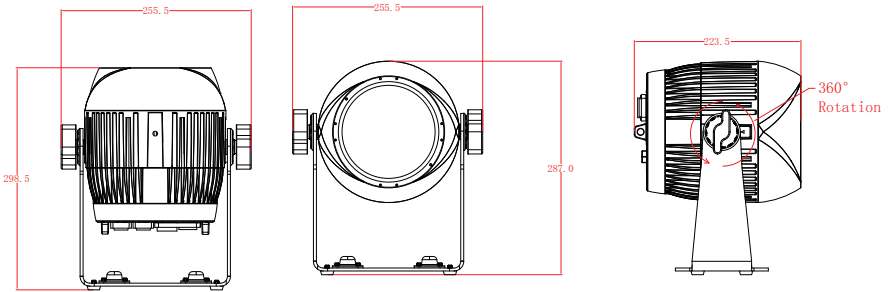


DMX %  
INVERSE SQUARE LAW

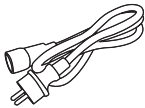


DMX %  
S-CURVE

## MECHANICAL SPECIFICATION



## ACCESSORY



Power cable



Fast lock

## OPTIONAL ACCESSORIES



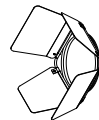
Halogen lens



Frosted lens



Fresnel lens



Barndoor



Fast lock  
metal plate



Connector



Panel

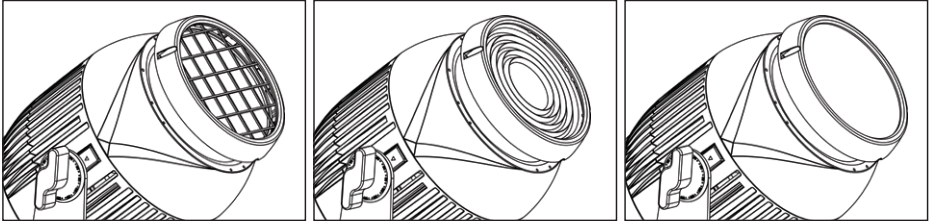
# RDM

Parameter ID	Command 'Discovery'	Command 'Set'	Command 'Get'
DISC_UNIQUE_BRANCH	√		
DISC_MUTE	√		
DISC_UN_MUTE	√		
DEVICE_INFO			√
SUPPORTED_PARAMETERS			√
SOFTWARE_VERSION_LABEL			√
DMX_START_ADDRESS		√	√
IDENTIFY_DEVICE		√	√
DEVICE_MODEL_DESCRIPTION			√
PARAMETER_DESCRIPTION			√
MANUFACTURER_LABEL			√
DEVICE_LABEL		√	√
FACTORY_DEFAULTS		√	√
BOOT_SOFTWARE_VERSION_ID			√
BOOT_SOFTWARE_VERSION_LABEL			√
DMX_PERSONALITY		√	√
DMX_PERSONALITY_DESCRIPTION			√
SLOT_INFO			√
SLOT_DESCRIPTION			√
SENSOR_DEFINITION			√
SENSOR_VALUE			√
DEVICE_HOURS			√
LAMP_HOURS			√
RESET_DEVICE		√	
CURVE		√	√
DMX STATE		√	√
DIMMER SPEED		√	√
“√”-executable command; “x”-to-be-updated command			

## INSTALLATION

1. Customize your setup with various accessories to achieve diverse lighting effects and installation configurations. Options include:

- *Magnetic Lens Optional(Halogen lens/Fresnel lens/Frosted lens)*



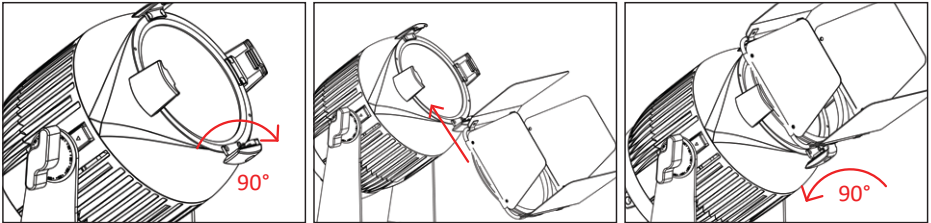
*Halogen lens*

*Fresnel lens*

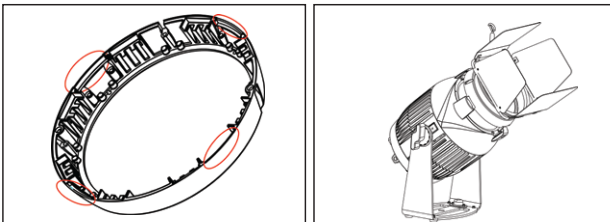
*Frosted lens*

Replace lenses effortlessly to achieve diverse lighting effects without tools. The magnetic connection between the lens and the pre-installed magnets inside the fixture ensures a secure and stable attachment.

- *Barndoor*



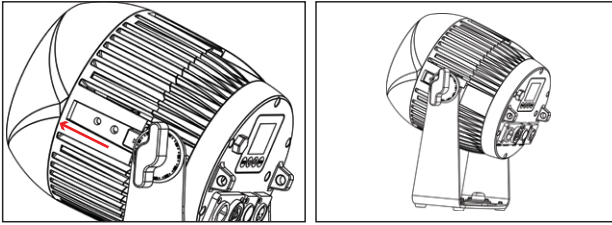
This barndoor prevents light leakage and is compatible with the magnetic cover. Pull the latch outward and rotate it 90 degrees. Slide the barndoor into position. After installation, pull the latch outward again and rotate it back 90 degrees to secure.



*Note:*

*When using both the magnetic cover and barndoor, please cut off the four slots on the magnetic cover.*

- *Bracket*



Align the pre-assembled handle with the grooves on the body. Push the handle forward until it clicks into position. Tighten the knob to lock the handle securely.

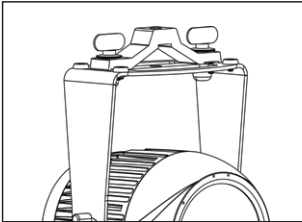
*Note:*

*Install the handle slider with the arrow-printed side facing outward and the arrow pointing toward the knob.*

2. BOLT W may be installed in any orientation. Our product provides several options:

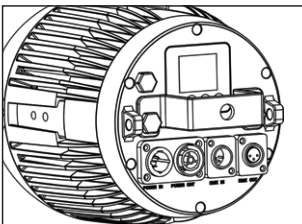
**HANGING**

- *Mounting point for fast lock*



Align the quick lock with the mounting hole on handle. Insert it into the hole and tighten to complete installation

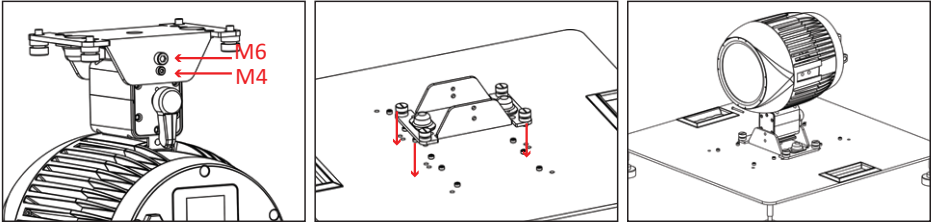
- *Fast lock metal plate*



Align the Fast lock metal plate with the mounting holes on the rear of the body. Fix it in place using M10×14 hex head screw. Ensure the fast lock metal plate is fully tightened to securely attach the BOLT W to the support structure.

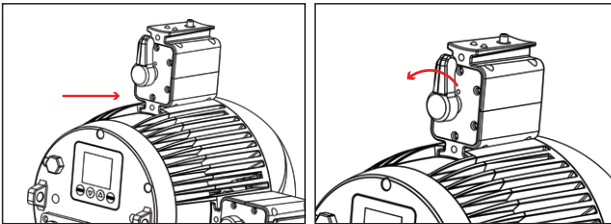
## STANDING

### ● AP03 Base



The AP03 can be installed in four directions (vertical or horizontal orientations) using a panel for single-row vertical configurations. Secure the panel and connector to the base with M6 and M4 hex socket screws. Then attach the panel to the AP03 using captive screws which pre-installed with the panel.

## SPLICING



Connector for multi-unit fixtures assembly:

Align the connector with the groove and push forward to install. To remove, please turn the knob counterclockwise and detach.

- *Splicing effect*

