



## *ARKIBAT - PL2415IP*

Architectural IP65 LED Outdoor Battery  
WIRELESS Wall Washer Flood Lights



This product manual contains important information about use of this projector. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

User manual

Please read the instructions carefully before use

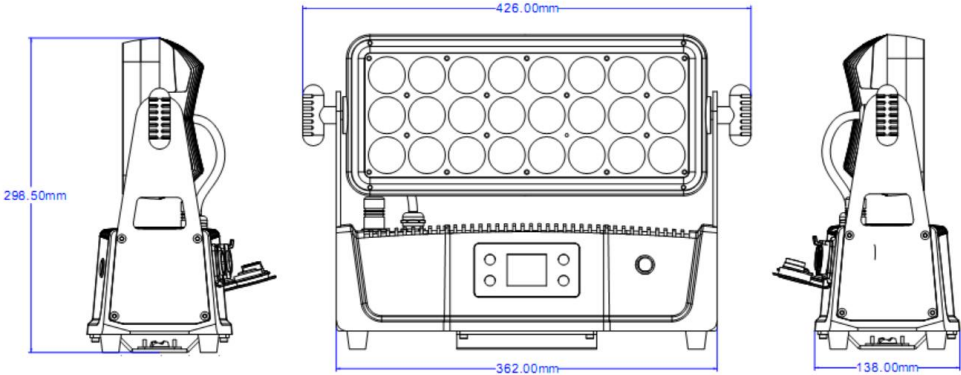
# TABLE OF CONTENTS

- 1. Dimension ..... 3
- 2. Safety Information ..... 3
- 3. Configuring the fixture ..... 4
- 4. Connecting to a DMX control device ..... 4
- 5. Configuring the fixture for DMX control ..... 5
- 6. Cleaning ..... 5
- 7. DMX Channel ..... 6
- 8. Control menu ..... 7
- 9. Specification ..... 10
- 10. Photometrics ..... 12

## STATEMENT

The product has well capability and intact packing when leave factory.  
All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

# 1. Dimension



# 2. Safety Information



**WARNING!** Read the safety precautions in this section before unpacking, installing, powering or operating this product.

This luminaries are multi-environmental fixtures with an IP-rating of 65, intended for professional use only. They are not suitable for household use.

Review the following safety precautions carefully before installing or operating the fixture. This fixture must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the fixture and the hazards involved.

## Preventing electric shock



**WARNING!** Risk of electric shock.

- Always power off/unplug the fixture before removing any covers.
- Ensure that the power is turned off when connecting the fixture to the AC mains supply.

- Ensure that the fixture is electrically connected to earth (ground).
- Do not apply power if the fixture is in any way damaged.
- Do not immerse the fixture in water or liquid.

### 3. Configuring the fixture

Set up the fixture using the control panel and the display at the back of the fixture.

Navigate the menus and options using the arrow buttons.

The options available are listed in “Control menu” on page 8.

After powering on, the display shows the currently selected operating mode and other information.

### 4. Connecting to a DMX control device

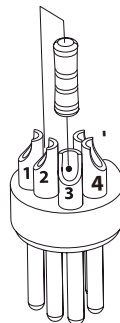
The fixture is installed wireless module Timo Two Fx from Lumenradio, please use the transmitter from Lumenradio to control, as other transmitters may cause unstable fixture operation.

The fixture is also controllable with a DMX control device and it can be connected by a DMX cable. If using DMX cable connection, please turn off the wireless function on the menu settings to avoid interference.

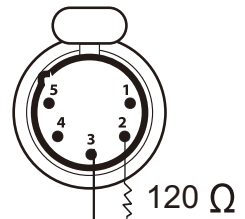
**DMX - INPUT  
XLR plug**



Pin1 : GND - Shield  
 Pin2 : - Signal  
 Pin3 : + Signal  
 Pin4 : N/C  
 Pin5 : N/C



**DMX - OUTPUT  
XLR socket**





## 5. Configuring the fixture for DMX control

### Setting the DMX address

The DMX address can be seen on the main screen. To change the address setting, press the up arrow to increase the address, or the down arrow to decrease the setting. It will automatically save the settings no need to press the enter button to confirm.

Note that channel spacing is determined by the DMX Channel.

## 6. Cleaning and Maintenance

To maintain optimal performance, regular cleaning is essential.

Cleaning schedules will vary depending on the operating environment, and the installation should therefore be checked at frequent intervals within the first few weeks of operation to see whether cleaning is necessary. This procedure will allow you to assess cleaning requirements in your particular situation. Clean the fixture using a soft cloth dampened with a solution of water and a mild detergent. Do not use products that contain solvents, abrasives or caustic agents for cleaning, as they can cause damage to both hardware, cables and connectors.

**Please maintain the battery's power at all times, as a prolonged lack of energy will damage the battery. If the fixture not using for a long time, please charge at least 40% or more for storage.**

# 7. DMX Channel

## 6 Channel Mode

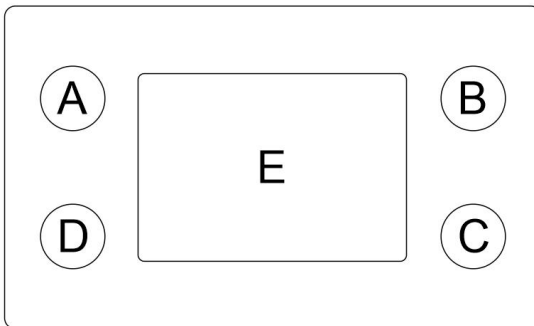
Channel	Value	Function	Description
1	0-255	Red Intensity	Red 0-100%
2	0-255	Green Intensity	Green 0-100%
3	0-255	Blue Intensity	Blue 0-100%
4	0-255	White Intensity	White 0-100%
5	0-255	Amber Intensity	Amber 0-100%
6	0-255	UV Intensity	UV 0-100%

## 11 Channel Mode

Channel	Value	Function	Description
1	0-255	Master Dimmer	All colours 0-100%
2	0-255	Red Intensity	Red 0-100%
3	0-255	Green Intensity	Green 0-100%
4	0-255	Blue Intensity	Blue 0-100%
5	0-255	White Intensity	White 0-100%
6	0-255	Amber Intensity	Amber 0-100%
7	0-255	UV Intensity	UV 0-100%
8	0-9	Strobe	Strobe off
	10-180		Strobe 1
	-255		Strobe 1
9	0-255	Colours	Built-in colours

10	0-9	No function	
	10-50	Auto	Jump effect
	51-100	Auto	Fade effect
	101-150	Auto	Pulse variation effect
	151-200	Auto	Combination effect
	201-255	No function	
11	0-255	Auto speed	From slow to last

## 8. Control menu



### Display:

- A** Button To select the programming functions
- B** Button To go forward in the selected functions
- C** Button To go backward in the selected functions
- D** Button To enter the next menu or save the functions
- E** Show the display

## Menu Description

Level 1	Level 2	Level 3	Description
DMX Setting	DMX address	000-512	DMX Address Setting
	Channel	11ch	11 channel DMX mode
	W-DMX Setting	On/Off	Turn On/Off Wireless DMX
	W-DMX Pairing	Receiving	Yes
			No
		Sending	Link
Unlink			
Channel List	11ch	11 channel DMX mode list	
System Setting	Display Sleep		Open/10s/20s/30s
	Power Setting	High	
		Normal	
		ECO	
	Button Lock	On/Off	Unlock:press/button up>down>up>down>enter>enter
	Lost DMX	Clear	Black out the unit when DMX signal is lost
		Hold	Maintain the last setting when DMX signal is lost.
	Emergency	On/Off	It can only be used as an emergency light when using the power cord
Reset	Yes/No	Reset all settings to factory defaults	
Manual dimming	R/G/B/W/A/ UV		all colour manual dimmer (0-255)
	Strobe		Master strobe speed(0-99)

Manual Control	Static Colour	C1-C36	Select static colour mode
	Auto	Jump	Colour Jump mode. Adjustable speed (0-99)
		Fade	Colour Fade mode. Adjustable speed (0-99)
		Pulse	Colour Pulse mode. Adjustable speed (0-99)
		Combination changes	Combination of Jump, Fade and Pulse. Adjustable speed (0-99)
	Timer		Setting start and end times of static colour or Auto
	Clear	Yes/No	Clear manual dimmer value and Strobe speed and Auto speed to 000 in the fixture
	User colour		Custom Colours
	User run		Run the custom colours
Information	Work time		Working time of the model
	Temp		Display current temperature
	Version		Version number
	RDM UID		
	Logo		

## Notes and explanation of some functions

### **\*Important:**

**A. If the lighting fixture is turned off for charging, please turn on it after about 10 seconds when the charging is completed.**

**B. If the power is turned on immediately after charging is completed, you need to enter the menu settings and manually activate the wireless function.**

**C. When the wireless is turned on normally, and then powered by a power cable, the wireless is not affected.**

**\*Setting Up Wireless DMX:**

Step1, turn on the wireless function from display menu<W-DMX setting>

Step2, setting receiving to “Yes” from display menu<W-DMX pairing>

**\*Setting Master/Slave:**

If there is 10 fixtures, the first step is to unpair these 10 fixtures with their original transmitter(if the pairing has been unpaired, this operation is not required).

Step 2, set 9 fixtures to Receiving>Yes, then setting the 9 fixtures to DMX model as slave.

Step 3,one of the fixtures used as the master is set to Sending>link, then the other 9 fixtures will be paired with the master, after about 3 seconds, pairing is completed, and the Master/Slave function can be used.

**\* Unpairing:**

If the fixture is Master, setting sending to unlink from menu, will remove pairing between Master and Slave.

If the fixture is receiving, setting receiving to “Yes”, then setting sending to unlink, will remove the pairing.

## 9. Specification

### **Light Source:**

LED: TYANSHINE brand, 15W RGBWA UV

Input Voltage: 100~240V AC, 50/60Hz

Lens: 25° beam angle

Diffuser: 60x25°

IP65

Barndoor: available

### **Battery:**

21700 battery cell

Capacity: 24AH, 24V

Charging time: 6.5 hours from 0-100%

Using time for full colors: about 4.5-5 hours

Charging management system, independent circuit charging and discharging

### **Control:**

0-100% 16bit linear dimming

1.44 inch TFT display, four touch button control panel

1-20 times/second strobe

Wireless DMX, DMX, Master/Slave, wireless Master/Slave

6/11 DMX channels

### **Connector:**

IP65 Seetronic 5-pin DMX in/out connectors

IP65 Seetronic power in/out connectors

### **Function:**

Emergency function

High / Normal / Eco power setting

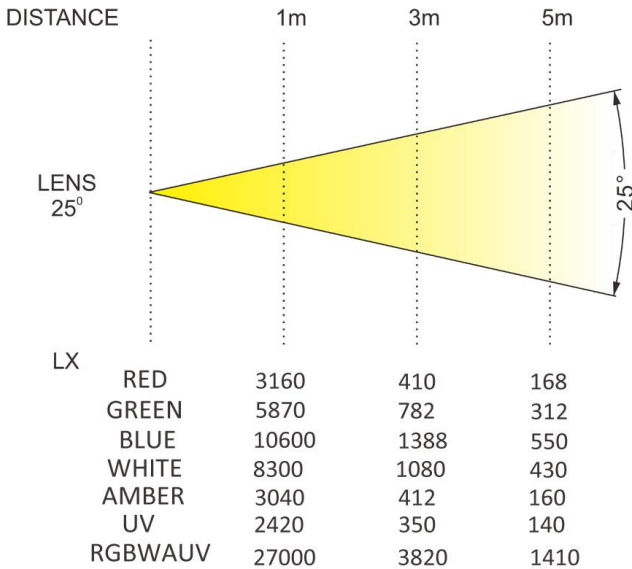
DMX hold on/off

Can edit colors on the lights directly

Built-in macro color

# 10. Photometrics

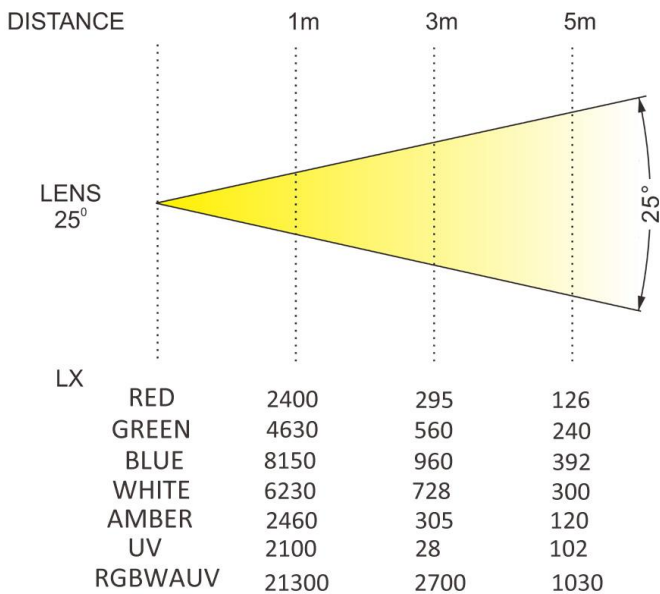
## High Power Setting:



DIS(m)	1	2	3	4	5
Red	3160	870	410	245	168
Green	5870	1700	782	460	312
Blue	10600	3200	1388	830	550
White	8300	2460	1080	650	430
Amber	3040	870	412	246	160
UV	2420	732	350	212	140
Full	27000	7680	3820	2200	1410



## Normal Power Setting:



DIS(m)	1	2	3	4	5
LUX					
COLOR					
Red	2400	615	295	172	126
Green	4630	1240	560	340	240
Blue	8150	2200	960	570	392
White	6230	1620	728	430	300
Amber	2460	645	305	175	120
UV	2100	542	238	146	102
Full	21300	5800	2700	1545	1030

## Model: ARKIBAT-PL2415IP

**PLUS**lite

Voltage:	90V ~ 240V/50~60Hz
LEDs:	24x15W RGBWAUV 6IN1 LEDs
IP Rating:	IP65
Beam Angle:	25°
Power Consumption:	250W
Battery:	Time 1 color about 20 hours Time Full colors about 5 hours, Charging time: 6.5 hours 0-100%, Battery: 24AH 24V
Control Mode:	LumenRadio Wireless DMX, DMX, Master/Slave, wireless Master/Slave, 6/11CH DMX
Weight:	9,5Kgs.
Dimensions:	426 x 298.5 x 138mm
Warranty:	2 Years

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



**PLUS**lite

<https://www.pluslite.eu/arkibat>