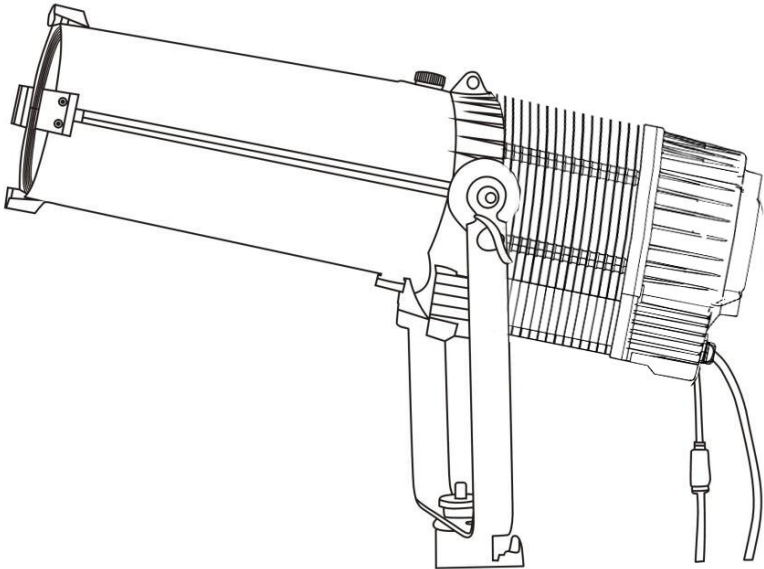


# **BY-P14 LED Ellipsoidal Light**

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**300W RGBAL 5IN1 LED IP65 Ellipsoidal Light**

**(With Auto zoom/Auto cutting)**



**User manual**

Please read the instructions carefully before use

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## Statement

This New IP rated LED fixture - an ellipsoidal comes with IP65 waterproof housing, warm white or cool white with high CRI make it an ideal LED replacement for aging incandescent light. This model offers everything should come to expect, including auto zoom from 15°-30° and auto focus, smooth shutter cuts by DMX, electronic strobe , 16bit dimming and selectable dimming curve modes, PWM from 500HZ to 25000HZ for matching any camera type.

# 1. Technical Specifications

## **Light Source:**

LED POWER: 300W

LED Color: RGBAL 5in1

Color Rendering Index(CRI): Ra≥90

LED Life Time: over 50,000 hours

## **Power supply:**

Voltage: AC100-240V

Max.power: 300W

## **Optics:**

Beam Angle: 15°-30°

Zoom Function: Auto zoom

Focus: Auto

Shutter controlled by DMX (auto cutting to any shapes)

Iris: optional

Gobo holder: optional

## **Features:**

Dimming Curve: 4 kinds dimming curve

PWM: 500HZ - 25000HZ optional

Strobe :1-25times/sec

## **Light body feature:**

Technology: High-quality optical system , glass reflector

Light body: Die casting Aluminum

Touch screen: LCD with touch screen

Feature of housing: High quality fireproof ,corrosion-resistance, Oxidation

resistance

**Control:**

Control Protocol: RDM / DMX

Control System: DMX, Auto run and Master/Slave

DMX Channels:5/24CH (Two kinds of channel modes optional)

**Working Environment :**

Working Temperature: -30~40℃

Cooling system: Fan-less no noise

IP Grade: IP65

**Package :**

Production size: 76.76\*29.73\*27.37CM

Net Weight: 16.5kgs

Gross Weight: 20kgs

Packing size: 86\*37\*35cm(1pc/carton)

## 2. Descriptions

- Warm or cool white ERS style fixture for theatre, film and production
- Fully IP65 rated for seasonal use indoors or out
- Electronic auto zoom from 15°-30°
- Electronic auto cutting which you can control the shutters to cut any shapes by DMX controller
- Ultra smooth 16-bit dimming of master dimmer and individual colors
- Flat, even field of light with superior color mixing
  
- High brightness with high CRI

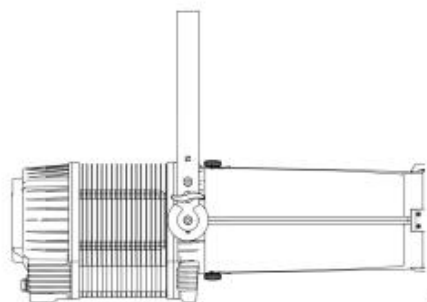
- RDM (Remote Device Management) for added flexibility
- Adjustable PWM (Pulse Width Modulation) to avoid flickering on camera
- Selectable dimming curve: Standard mode, Incandescent mode, quick mode and linear mode
- Fanless(no any noise) operation for use in studio and theatre applications

### **3. Unpacking**

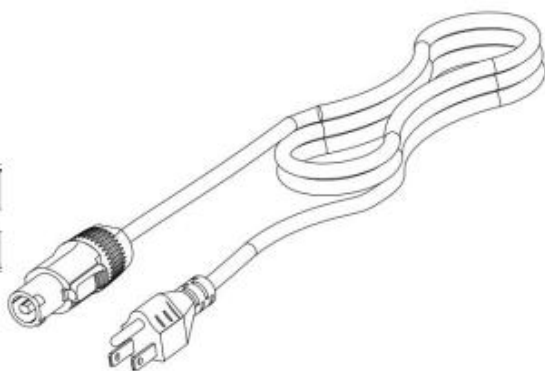
Thank you for choosing our IP65 P14. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

The IP65 P14 is made of a new type of high temperature strength of die cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE&RoHS standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

The IP65 P14 adopts 1PCS 300W COB LED (available for RGBAL 5IN1) which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:



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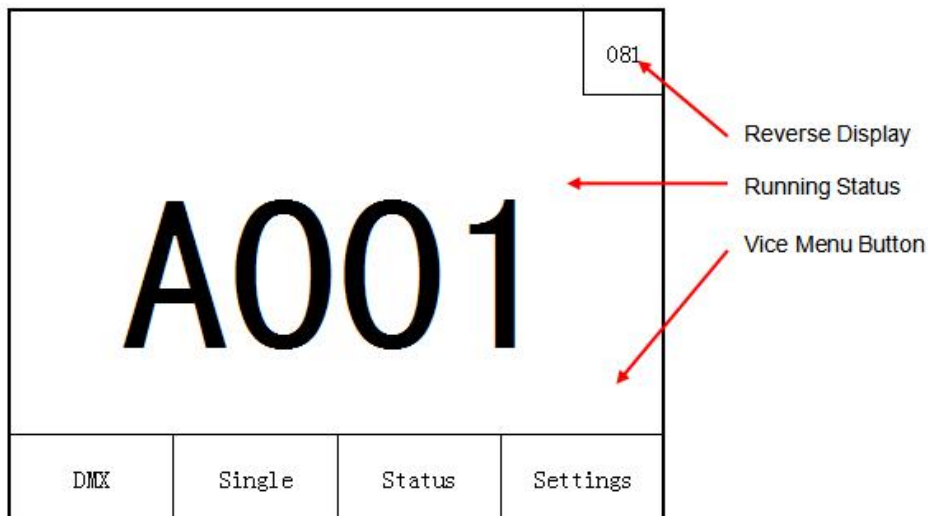
②

③



① IP65 PROFILE 300AZ-CW	1PC
② POWER cable	1PC
③ User Manual	1PC

## 4.Main Menu



### Operation Status

Mode	Display	Description
DMX Mode Master-slave	Axxx	“A”stand for standard channel mode, “xxx”stand for ID address, Auto identify controller signals or host signals
	Dxxx	“D”stand for basic channel mode, “xxx”stand for ID address, Auto identify controller signals or master signals
Manual	M-MC	“M”stand for Master mode, “MC”stand for “Mixed Colort”
Auto run	M-Ax	“M”stand for Master mode, “A”stand for “Auto”, “x” is Auto program number(1~8)
Sound activated	M-Sx	“M”stand for Master mode, “S”stand for “Sound”, “x” is Sound activated (1 or 2)
Color temperature	M-WP	“M”stand for Master mode, “WP” stand for “White Point”

Selection Color	M-QC	“M”stand for Master mode, “QC” stand for “Quick Color”
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## 5.Vice Menu

### DMX Settings

Menu	Operation	Option	Description
DMX Start Address	Press key of “OK” enter to edit mode, press “UP” and ”down” to edit the DMX address	1~512	
DMX Profile	Press key of “OK” change the DMX channel mode	24CH	Standard Channel Mode
		5CH	Basic Channel Mode

### Master Mode Choice

Menu	Operation	Vice Menu description
Mixed Color	Press Key of “OK” to choose mode	Choose the color and strobe setting
Auto Mode	Same as above	Choose the Auto and Speed setting
Sound Mode	Same as above	Choose the Sound and Mode setting
White Point	Same as above	Choose the color temperature
Quick Color	Same as above	Choose the built-in color
Motor Control	Same as above	Can control the Motor

### Status

Menu	Description
Software	Name of software
Version	Version
Temperatu	Show the temperature of lighting fixture



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DMX Status	With“OK”( Slave mode, with signal ), “NONE”( Slave mode, no signal )、 “Master” ( Master )

## Settings

Menu	Operation	Option	Description
Touch Screen Calibration	Touch screen adjust		
White Point Edit	Color temperature correction		
Reset Calibration	Reset correction		
Dimmer Frequency	Change the dimmer frequency	500Hz	
		.....	
		25KHz	
Dimmer Curve	Change dimmer curve	Standard	
		Incandescent	
		Linear	
		Quick	
Over Temperature	Temperature setting	80~100	Each 5 for increase or decrease
Backlight	Adjust the display brightness	10%~100%	Each 5% for increase or decrease
Backlight Timeout	Screen protect setting	No screen protect or black screen from 0~ 60 second	Each 5 for increase or decrease
Load Factory Settings	Reset		

## 6. DMX Channels

### Standard channel mode(24CH)

Channel	Data	Function	Remark
1	0~255	Dimmer	
2	0~255	Color 1	
3	0~255	Color 2	
4	0~255	Color 3	
5	0~255	Color 4	
6	0~255	Color 5	
7	0~9	No function	
	10~19	color temperature 1	
	.....	color temperature n	Each 10 data for one color temperature
8	0~9	No function	
	10~19	built-in color 1	
	.....	built-in color n	Each 10 data for one built-in color
9	0~10	No function	
	11~255	Strobe Speed(255 fastest)	
10	0~9	No function	
	10~19	Auto run 1	
	.....	Auto run 2~7	Each 10 data for one auto
	80~89	Auto run 8	
	90~199	No function	
	200~219	Sound control 1	
	220~255	Sound control 2	

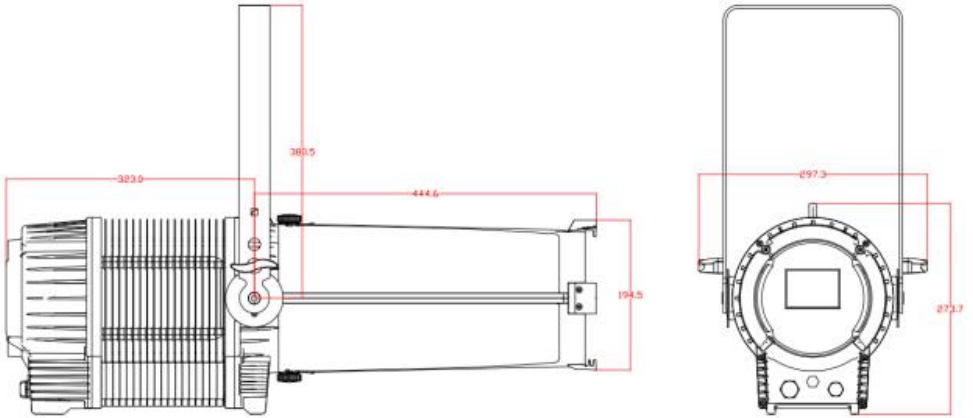
11	0~255	M1, M2 position control	
12	0~63	M1, M2 Control straight up and down by channel 11	
	64~127	M1, M2 Angle adjustment(big data, big angle)	
	128~191	M1, M2 back to original position	
	192~255	M1,M2 Reverse angle adjustment,(big data, big angle)	
13	0~255	M3,M4 position control	
14		M3,M4 position control(refer to channel 12)	
15	0~255	M5,M6, position control	
16		M5,M6, position control (refer to channel 12)	
17	0~255	M7,M8 position control	
18		M7,M8 position control (refer to channel 12)	
19	0~255	Auto Zoom	
20	0~255	Focus adjustment	
21	0~255	Gobo control-optional	Reserve channel for gobo control
22	0~255	Iris control-optional	Reserve channel for iris control
23	0~63	No function	
	64~255	Built-in shape cutting	
24	0~249	No function	
	250~255	Motor reset	

### Basic channel mode(5CH)

Channel	Data	Function
1	0~255	Color 1
2	0~255	Color 2
3	0~255	Color 3
4	0~255	Color 4
5	0~255	Color 5

## 7. Size

Size of the fixture: 767.6(D)\*297.3(W)\*273.7(H)mm



## 8. Fixture Cleaning

Before disconnecting the lighter or starting maintenance work, ensure that the power supply of the light is turned off to maintain the maximum brightness output of the light, and it can also prolong its service life. It is recommended to use high-quality professional glass cleaner and to clean it with cloth. Alcohol or chemical solvents are not allowed under any circumstances. The interior of the lamp is vacuum-cleaned at least once a year.

## 9. Warning

Do not disassemble or modify light fixtures

Do not expose the fixture to water or any other kind of liquids and metals

Do not install the lamp in a hot environment

Do not shoot the light beam on flammable materials. The distance between the light fixture and flammable material should be at least 2 meters.

The distance between the lamp and the surface of the adjacent object should be at least 0.5 meters.

Do not look directly at the beam of the follower lamp, as it may cause eye damage

Before opening the chasing light product or want to repair work, please make sure that the power is off