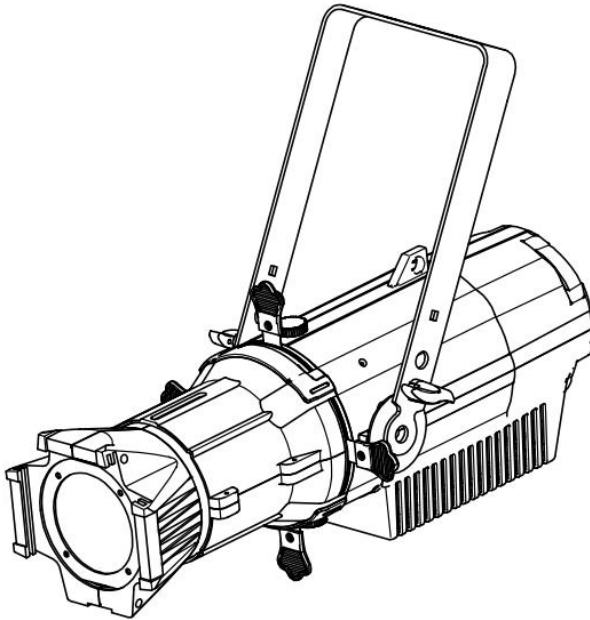# BY-P18 LED Profile Spot Light

300W RGBAL Die-casting Aluminum LED

Profile Spot Light　(Fix Lens 19/26/36/50)

User manual

Please read the instructions carefully before use

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Statement

Led Profile can give you a perfect lighting effect that can be used anywhere. With Philips Led 90pcs * 3W Lamp (R(20), G(14), B(14), A(18), L(24)).

Led Profile Light can give you a perfect lighting effect that can be used anywhere. Including warm white 3200K, cool white 5600K, and also optional the full color temperature from 2700K to 12,000K, which can similar like the sunrise to sunset.

1. Technical Specifications

Light Source:
LED POWER: 300W
LED Color: RGBAL 300W R(20), G(14), B(14), A(18), L(24)
300W RGBAL LED: Philips from Netherlands (90pcs *3w led)
Fully Tuneable from 2,700 to 12,000K

Power supply:
Voltage: AC100-240V
Max.power: 300W

Optics:
Fixed Lens: 19°/26°/36°/50°(optional)
LED Life Time: over 50,000 hours
Iris: optional
Color Frame: optional

Features:
Dimming Curve: 4 kinds dimming curve
PWM: 500HZ - 25000HZ optional
Strobe :1-25times/sec

Light body feature:
Focus: Can be adjusted by hand
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: 5/10CH

Working Environment :
Working Temperature: -30~40℃
Cooling system: No noise fan (copper tube)
IP Grade: IP20

Package :
Dimensions: 611(D)*173(W)*480(H)mm
Net Weight : 10.5kgs
Gross Weight: 12.5 kgs
Packing Size: 72*33*31.5 cm (1pc/carton)

2. Descriptions

·Full color RGBAL LED Ellipsoidal fixture
·Ultra smooth 16-bit dimming of master dimmer and individual colors
·Flat, even field of light with superior color mixing
·Virtual Color wheel with color matched to popular gel colors
·Color Temperature Presets from 2700 K to 12000 K with high CRI &CQS
·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
·LCD touch screen
·Virtually silent operation for use in studio and theatre applications

3. Unpacking

Thank you for choosing our P18. 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 P18 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 P18 adopts Philips Led 90pcs * 3W Lamp (R(20), G(14), B(14), A(18), L(24)), 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:

Plug standard: USA   EURO   UK
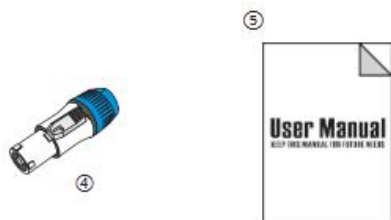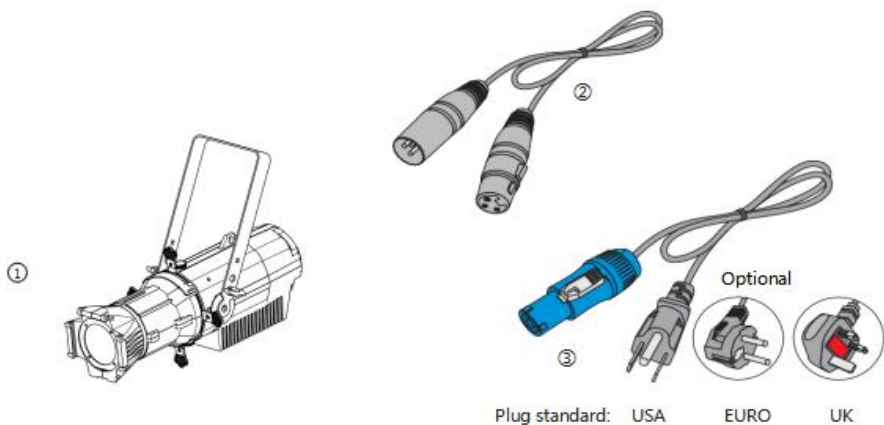
① PROFILE 300RGBAL	1PC
② DMX cable	1PC
③ POWER cable	1PC
④ POWER OUT	1PC
⑤ User Manual	1PC

4. Main Menu
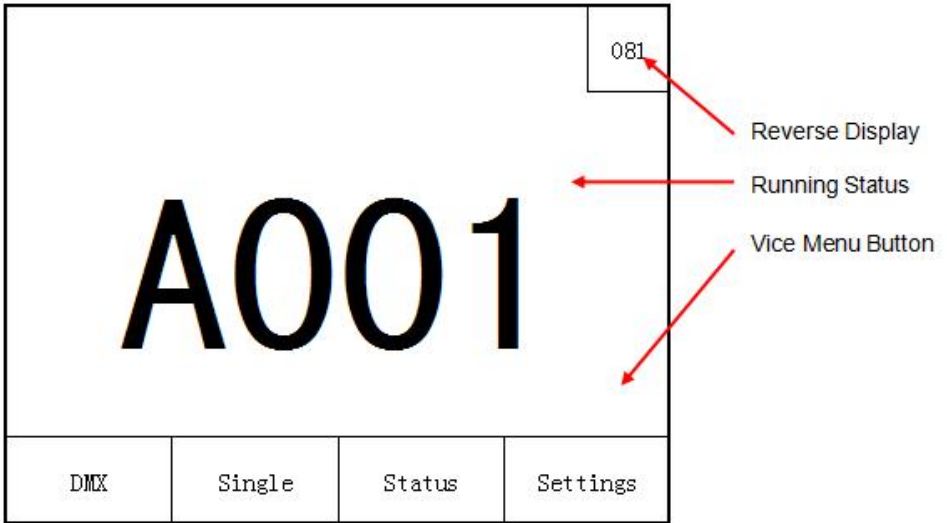
Operation Status

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"
Select Color	M-QC	"M"stand for Master mode，"QC"stand for"Quick Color"

3. 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	10CH	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

Status

Menu	Description
Software	Name of software
Version	Version
Temperature	Show the temperature of lighting fixture
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		
Dimmer Frequency	Change the dimmer frequency	500Hz	
		......	
		25000Hz	
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(10CH)

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	0~10	No function	
	10~20	Color Temperature 2700K	
	20~30	Color Temperature 3000K	
	30~40	Color Temperature 3200K	
	40~50	Color Temperature 3600K	
	50~60	Color Temperature 4000K	
	60~70	Color Temperature 4200K	
	70~80	Color Temperature 4500K	
	80~90	Color Temperature 5600K	
	90~100	Color Temperature 6000K	
	100~110	Color Temperature 6500K	
	110~120	Color Temperature 7200K	
	120~130	Color Temperature 8000K	
	130~140	Color Temperature 9000K	
	140~150	Color Temperature 10000K	
	150~160	Color Temperature 12000K	
	160~170	Custom color temperature one	
	170~180	Custom color temperature two	

	180~255	Custom color temperature three	
8	0~9	Null	
	10~19	built-in color 1	
	……	built-in color n	Each 10 data for each built-in color
9	0~10	No function	
	11~255	Strobe speed（255 is the fastest）	
10	0~9	Null	
	10~19	Auto 1	
	......	Auto 2~7	Each 10 data for one auto
	80~89	Auto 8	
	90~199	Null	
	200~219	Sound 1	
	220~255	Sound 2	

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: 612*300*480MM

173.0000

382.0624
480.7244

292.8096

611.9071

5IN1

300W
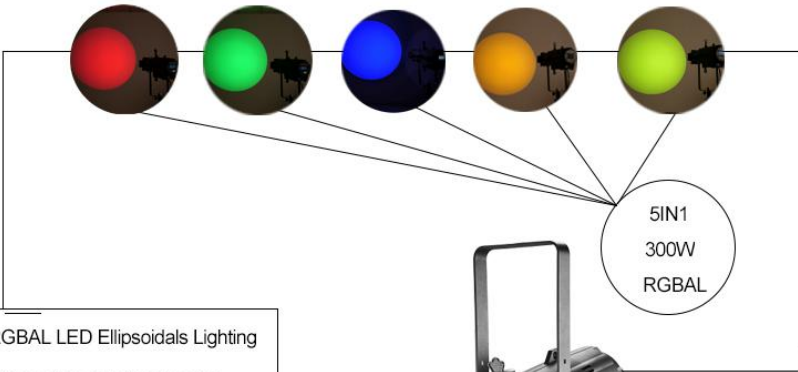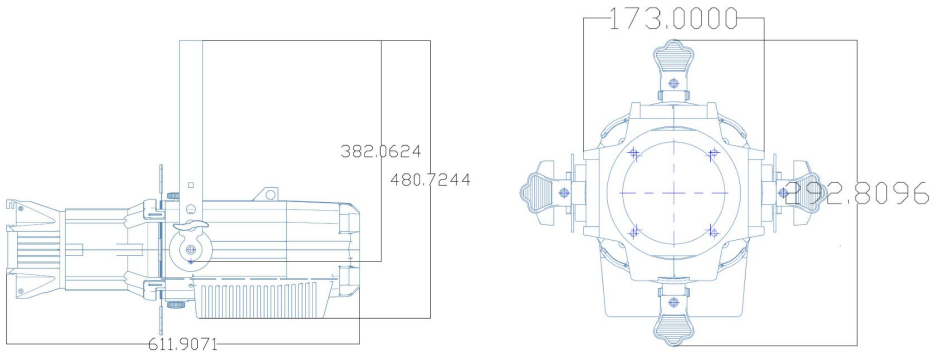
RGBAL

RGBAL LED Ellipsoidals Lighting

①Die-casting Aluminum housing

②19/26/36/50 degree lens optional

③Adjust CCT from 2700K to12000K

④4kinds Dimming Curve

4. 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.

10.　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