

**STECHNICS**

LED Zoom Mini Profile Light

Operating Manual

PROF60RGBALC 20-40°



PROF60RGBALC 20-40° LED Zoom Mini Profile Light



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### 7. RDM Function

If use the R D M function, that must use the console to search each fixture and change the fixture address code in the D M X 5 1 2 mode.

Identification Code: each fixture has an identification code as show below ①, the identification code of each fixture is different, Please check the fixture label.

device code: 10000001
device ID: 01A1.10000001

①

### 8. DMX512 Function

In D M X mode, the LED display is normal when there is no DMX5 1 2 signal input, and the LED display is lights up when the DMX5 1 2 signal is input.

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## 3. Correcting Features

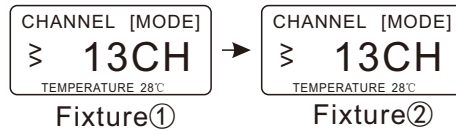
If more than two fixtures have different output colors, check that the whether correcting settings for each fixture are consistent, as show below ①, factory setting:ON.



①

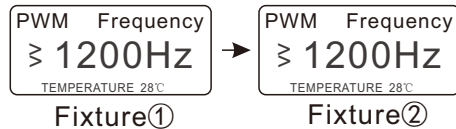
## 4. Channels Function

This fixture has 6-channel mode and 11-channel mode selection. In DMX512 mode, If more than two fixtures have different settings, check whether the channel functions are consistent. as show below ①②, factory setting[13CH].



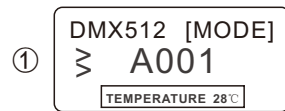
## 5. PWM Function

In DMX, Master/Slave mode, if the dimming smoothness and color output are different on more than two fixtures, check that whether the PWM settings are consistent. As show below ①②, factory setting[1200Hz].



## 6. Temperature Monitoring Function

This fixture has a temperature detection function. When the temperature is higher than 56 ° C, the fan will turn on and when the temperature is lower than <39 ° C. Fan will turn off; fan turn off is normal when temperature is <39 ° C. As show below ① is Real-time temperature.



Real-time temperature

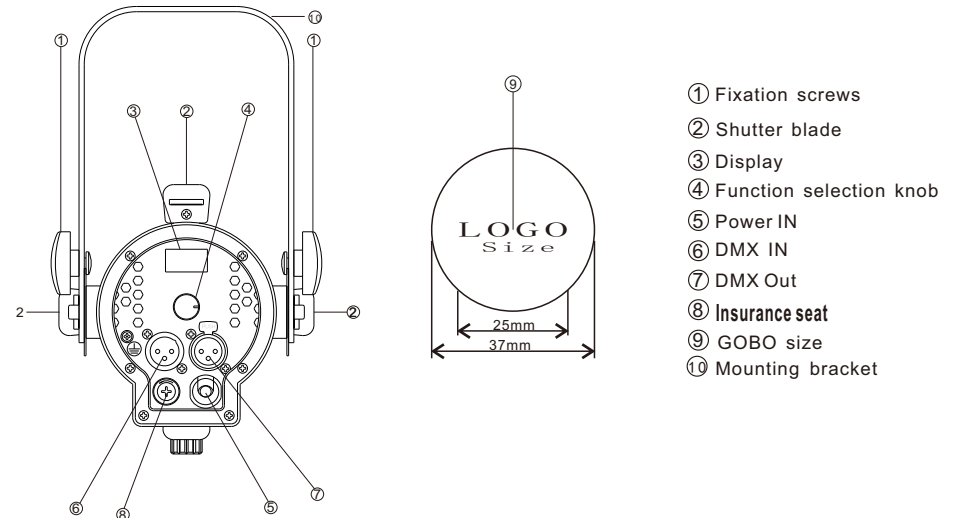
# LED Zoom Mini Profile Light

## 1. Introduction

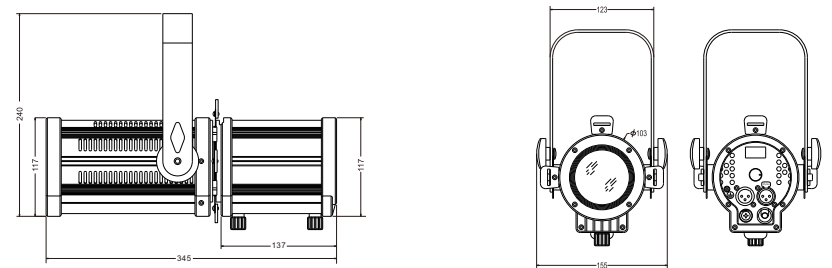
1. Thank you for having chosen LED zoom Mini profile light,please read this user manual carefully before you initially start-up.

2.This product is allowed to be operated with an alternating voltage of AC90-240V 50/60Hz and designed for indoor use only.

## 2. Description of the fixture



## 3. Dimensions



Unit: mm

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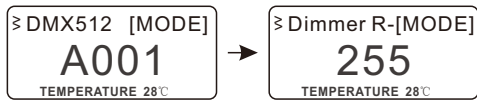
## 4. Control Board



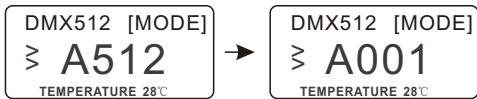
Enter

■ Press the function selection knob on control board to setting function

■ <Enter> select or save



“>” When this symbol is in the menu, rotate button to select the function.



“>” When this symbol is in the function, rotate button to adjust the function.

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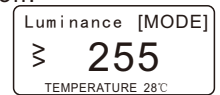
## 8. Technical Specifications

LED source	COB 60W LED 4 IN 1, RGBALC
Beam Angle	Manual Zoom 20° -40°
Control	DMX512/ RDM/ Master/Slave Operation
DMX-512 Channels	13channels/ 6channels
Connection	Powercon In & Out; 3-pole DMX In & Out (5-pole DMX available)
Voltage	Electronic full-range AC100-240V 50/60Hz
IP Rating	IP20
Working Temperature	-20°C-40°C (-4° F-104° F)
Power consumption	60W
Dimensions (LxWxH)	34.5×15.5×11.7CM
Weight	3KG

## 9. Please Note:

### 1. Luminance

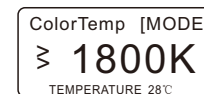
Check before using the fixture check whether Luminance function it is on .  
As show below ①; factory setting it is on.  
This function should be checked when the light is off.  
(This function is not affected in DMX mode)



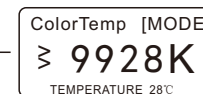
①

### 2. ColorTemp

Master/Slave Mode, Colortemp(CCT)adjustable from 1800K to 9928K  
As show below①②, factory setting as below③。  
(If the Colortemp function is enabled, the R G B A L C function cannot be used alone.  
If you want to use the RGBALC function alone, you must turn off Colortemp).



①



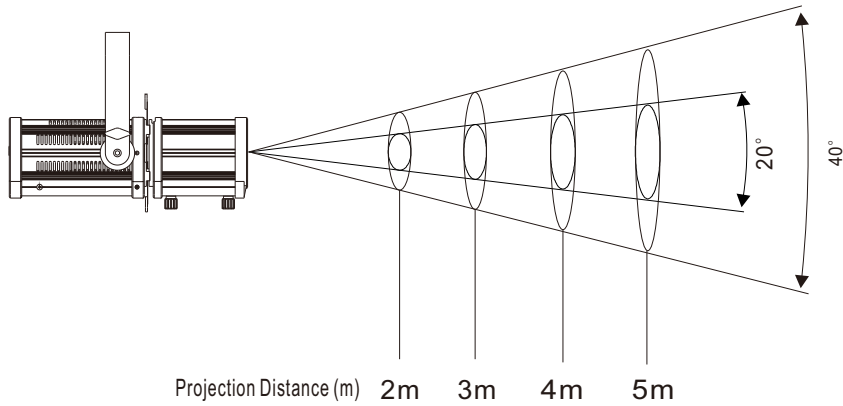
②



③

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## 6. Illumination Diagram



Illumination Center (LUX)	R	137	64	38	23
	G	383	172	89	61
	B	123	57	31	22
	A	527	240	129	83
	L	408	501	262	173
	C	85	40	24	17
	Total Illumination	1200	539	285	185
Beam Diameter (cm)	31.5	47	63	79	

Beam angle 20°

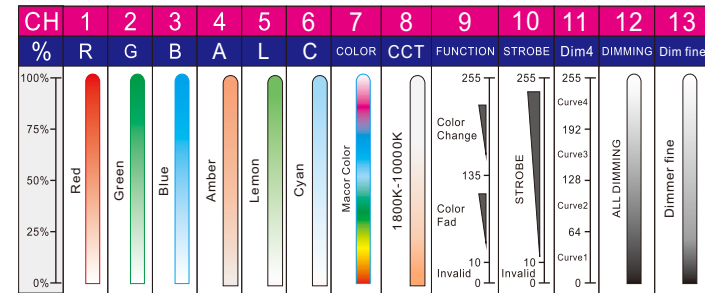
Illumination Center (LUX)	R	74	39	20	14
	G	193	90	49	34
	B	66	32	18	13
	A	279	128	68	46
	L	579	264	138	93
	C	48	24	15	11
	Total Illumination	624	287	150	99
Beam Diameter (cm)	88.7	133	177	222	

Beam angle 40°

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## 7. DMX Channels (This fixture has two DMX channel mode options)

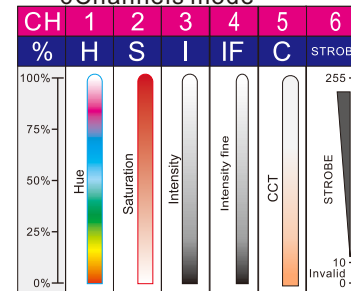
### ① DMX 13 Channel Mode



### 13 Channels Function

channel 1-Red	000-255 levels linear dimming
channel 2-Green	000-255 levels linear dimming
channel 3-Blue	000-255 levels linear dimming
channel 4-Amber	000-255 levels linear dimming
channel 5-Lemon	000-255 levels linear dimming
channel 6-Cyan	000-255 levels linear dimming
channel 7-COLOR	000-255 levels RGBALC color mixing
channel 8-CCT	000-255 levels linear dimming, CCT 1800K-10000K
channel 9-FUNCTION	000-009 levels without function
	010-127 levels fade function
	128-134 levels without function 135-255 levels auto function
channel 10-STROBE	000-009 levels without function
	010-255 levels strobe function
channel 11-Dim4	000-063 first-level dimming delay function
	064-127 second-level dimming delay function
	128-191 third-level dimming delay function
	192-255 fourth-level dimming delay function
channel 12-DIMMING	000-255 levels master dimming
channel 13-Dim fine	000-255 levels dimmer fine

### ② HSIC Channels Mode 6 Channels mode



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### HSIC Channels Function

channel 1-Hue	000-255 levels RGBW color mixing
channel 2-Saturation	000-255 levels saturation adjustable
channel 3-Intensity	000-255 levels master dimming
channel 4-Intensity fine	000-255 levels dimmer fine
channel 5-CCT	000-255 levels linear dimming,CCT1800K-10000K
channel 6-STROBE	000-009 levels without function
	010-255 levels strobe function

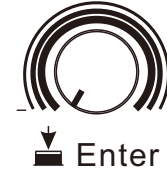
### Note: Color Temperature (CCT) Ratio

DMX levels	CCT DATA	DMX levels	CCT DATA
000↔006	1800K↔2000K	131↔137	6000K↔6200K
006↔012	2000K↔2200K	137↔144	6200K↔6400K
012↔018	2200K↔2400K	144↔150	6400K↔6600K
018↔024	2400K↔2600K	150↔156	6600K↔6800K
024↔030	2600K↔2800K	156↔162	6800K↔7000K
030↔036	2800K↔3000K	162↔169	7000K↔7200K
036↔044	3000K↔3200K	169↔175	7200K↔7400K
044↔050	3200K↔3400K	175↔181	7400K↔7600K
050↔056	3400K↔3600K	181↔187	7600K↔7800K
056↔062	3600K↔3800K	187↔194	7800K↔8000K
062↔069	3800K↔4000K	194↔200	8000K↔8200K
069↔075	4000K↔4200K	200↔206	8200K↔8400K
075↔081	4200K↔4400K	206↔212	8400K↔8600K
081↔087	4400K↔4600K	212↔219	8600K↔8800K
087↔094	4600K↔4800K	219↔225	8800K↔9000K
094↔100	4800K↔5000K	225↔231	9000K↔9200K
100↔106	5000K↔5200K	231↔237	9200K↔9400K
106↔112	5200K↔5400K	237↔244	9400K↔9600K
112↔119	5400K↔5600K	244↔250	9600K↔9800K
119↔125	5600K↔5800K	250↔255	9800K↔10000K
125↔131	5800K↔6000K		

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### 5. Operation

#### ■ Menu Structure



Enter the menu by turning the function selection knob, browse through the menu by turning left or right. Press **<Enter>** to confirm or save. " **≥** " This symbol represents the current running function.

LED display	Function setting
DMX512 MODE	setting the DMX starting address from A001-A512
Dimmer R- [MODE]	setting the red color brightness 000-255
Dimmer G- [MODE]	setting the green color brightness 000-255
Dimmer B- [MODE]	setting the blue color brightness 000-255
Dimmer A- [MODE]	setting the amber color brightness 000-255
Dimmer L- [MODE]	setting the lemon color brightness 000-255
Dimmer C- [MODE]	setting the Cyan color brightness 000-255
ColorTemp [MODE]	setting the CCT 1800K-9928K
Dimming [MODE]	Dimming 000-255
Strobe [MODE]	setting the strobe speed 000-012
Fade [MODE]	setting the fade speed 000-012
Auto [MODE]	setting the auto speed 000-012
CCS [MODE]	correcting function ON-OFF
CHANNEL [MODE]	setting DMX channels 13CH-6CH
PWM Frequency [MODE]	setting PWM frequency 1200Hz-20000Hz

#### ■ Master/Slave Setting

1. Set the mast fixture to Dimmer or Strobe
2. Set each slave fixture to the same DMX001 (As show below)

