

# 280W Beamspot Light



## USER MANUAL

\*\*\*Thank you for using 280W Beamspot light. Please note that this product, as all the others in my company range, has been designed and made with total quality to ensure excellent performance and best meet your expectations and requirements.

\*\*\*Please carefully read this user manual in its entirety and keep it safe for future reference. It is essential to know the information and comply with the instructions given in this manual to ensure the fitting is installed, used and serviced or correctly and safely.

\*\*\*My company disclaims all liability for damage to the fitting or to other property or persons deriving from installation , use and maintenance that have not been carried out in conformity with this user manual, which must always accompany the fitting. My company reserves the right to modify the characteristics stated in this user manual at any time and without prior notice.

—: First, check the package:

Because the light in the purchase process must carry through the process of long-distance transportation. To ensure that you receive the light, please when receiving goods , please check the accessories of light.

## 二、 Lighting packaging accessories

Power cable	*1
Signal cable	*1
User manual	*1
Certificate	*1 (On the light)

## SAFETY INFORMATION

- **Minimum distance from flammable materials**

The projector must be positioned so that any flammable materials are at least 0.20 meters (8") from every point on the surface of the fitting.

- **Mounting surfaces**

It is impermissible to mount the fitting on normally flammable surfaces.

- **Maximum ambient temperature**

Do not operate the fixture if the ambient temperature ( $T_a$ ) exceeds 40° C (104° F).

- **IP20 protection rating**

The fitting is protected against penetration by solid bodies of over 12mm (0.47") in diameter (first digit 2), but not against dripping water, rain, splashes or jets of water (second digit 0).

- **Protection against electrical shock**

Connection must be made to a power supply system fitted with efficient earthing (class I appliance according to standard EN 60598-1). It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

- **Connection to mains supply**

Connection to the electricity mains must be carried out by a qualified electrical installer.

Check that the mains frequency and voltage correspond to those for which the projector is designed as given on the electrical data label.

This label also gives the input power to which you need to refer to evaluate the maximum number of fittings to connect to the electricity line, in order to avoid overloading.

- **Temperature of the external surface**

The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is 100°C (212°F).

- **Maintenance**

Before starting any maintenance work or cleaning the projector, cut off power from the main supply.

After switching off, do not remove any parts of the fitting, to avoid getting burnt for at least 35minutes. After this time the likelihood of the lamp exploding is virtually nil.

The fitting is designed to hold in any splinters produced by a lamp exploding. The lenses must be mounted and, if visibly damaged, they have to be replaced with genuine spares.

## MECHANICAL DETAILS

### Specification

Voltage: 110W~240V/50-60Hz

Ballast: Electronic Ballast

Lamp: OSRAM HRI 280W

Average Lifespan: 2200Hrs

Power consumption: 300W

Lens : high precision optical lens

Color wheel: 13 dichroic filters + white

Rotating Gobo Wheel, with 9 bidirectional and indexable gobos (outside diameter: 15,4 mm, image diameter: 13 mm)

Static Gobo wheel with 14 fixed gobos, at variable rotation

Prism 1: 8-facet circular prism rotating in both directions at different speeds

Prism 2: 6-facet linear prism rotating in both directions at different speeds

Zoom: parallel beam angle 2.8°-38°

Wash effect : adjustable Wash effects angle

Focus: linear adjustment

Dimmer : 0-100% linear adjustment

Strobe : Double lens strobe (0.5-9 times/ second)

Pan/Tilt : X axis 540° Y axis 270° automatically accurate positioning

Fixation option: Pan/Tilt-lock mechanism

Control mode : Standard DMX512, Automatic and Master/ slave mode

Channel : 16 CHs / 24 CHs

Controller can open the lamp and reset, including delaying function

Weight : 19kg

Dimension: 386 (L) X 365 (W) X 589 (H) mm

#### 四、Display Description

main screen displays								
1 menu	2 menu		3 menu					
DMX Address(0-512)	Save				main interface schematic			
	Return			Feature set	Manual	info	show	Lamp
Return	LOGO			DMX address				Invert
CH/ENG show	Changed language							CH/ENG.
Invert	Switching display direction							ESC
Lamp	Bulb default	Open/off						
	Manual	Open/off						
	Electronic bright lamp	Open/off						
	Return	Return previous menu						
Show set	Backlight brightness	1-7						
	Backlight delay	10/20/30S/						
	ESC menu	10/20/31S not return						
	Backlight blinking	Open/off						
	Save	Save the setting and return to the previous menu						
	Return	not save the data						

		back to the previous menu							
information	Channel level		CH1-C H32(0-255)						
			Return						
	Other info.			Runnin g time	time on the machine				
				Number of runs	Machine boot times				
				Time left	time is to set the time				
				remaini ng number	number is set up times				
				Fan1	Fan 1Speed				
				Fan2	Fan2 speed				
				Temper ature1	Temperatu re1 show				
				Temper ature2	Temperatu re2 show				
				Main board1 Softwar e					
				Main board 2 Softwar e					
	Return	Return to the previous menu							
	Error Message s			Color error	Error message when there will appear in the display				
				Rotatin g Gobo error					
Fixed pattern									

			error					
			X error					
			Y error					
			Figure rotation error					
			Prism error					
			Gradient error					
			Prism rotation error					
			Gradient rotation error					
			Enlarge error					
			Focal length error					
			Return					
	ESC							
Manual	reset		All motor	Rest				
			Local motor					
			XY motor					
			Yes					
			no					
			Automatic	Will pop up automatically or voice menu click XX mode is running, then the light will automatically or voice (reserved) run; quit				
			Sound					
			Return					

				running mode point return				
			CH1-C H32(0-255)	This mode is for manual control of the light, and signal priority DMX console				
feature set	Run mode	Wireless/Auto /DMX	ESC					
	CH mode	Standard / Lite / Custom						
	Pan	Open/Off						
	Tilt	Open/Off						
	XY Speed	Normal / Slow / Fast						
	X- angle	360/540/630						
	Optocoupler detection	Open/Off						
	No signal	Hold / cleared						
	Color Function	Half color / full color						
	shortest distance	Open/Off						
	Reset							
	Save							
	ESC							
	Advanced		Zeroing	Pan Rotation	This menu operation, you can pull the slider to quickly change			
				Tilt Rotation				
				Fixed gobo				
				Rotation gobo				
				Color wheel				
				Zoom				

				Enlarge					
				Strobe					
				Prism					
				prism2					
				Rotation patterns					
				Frost					
				Gradient rotation					
				Frost 二					
				Save					
				ESC					
			Channel definition	Color wheel rotation	the default is 1-14 corresponding channel, if the corresponding channel is set to 0 that does not use these functions, you can click on to change the order of the number of channels.				
				Strobe control					
				Dimmer					
				Fixed gobo					
				Prism add					
				Prism rotation					
				Rotation gobo					
				Frost effect					
				Zoom					
				Pan rotation					
				Pan fine					
				Tilt rotation					
				Tilt fine					
				Rest					
				XY Speed					
			Save						
			ESC						
			Factory settings	X(0-255)X	This menu operation, you can pull the slider to quickly change				
				X (0-255)					
				Y (0-255)					
				Y (0-255)					
				Rectifier					
			Y angle						

				(0-255)Y					
				Boot images (neutral / Custom)					
				Keyboard					
				1(0-255)					
				2(0-255)Use Password2					
				1(0-255)					
				1(0-255)					
				SAVE					
				ESC					
			Use Management	Limit set	Limit time				
						Limit times			
						Using password s1			
						Using password s2			
						Save			
						ESC			
				default configuration	Click on a pop-up screen, the election will be the factory settings, zeroing, feature set and the main interface can be set data reset; that is not reset if the				

					election returns			
				ESC				
			ESC					
		Unlock menu						
			Passwo rd1	Password 1 and 2 operate sliders password				
			passwo rd2					
			Unlock					
			ESC					
			Passwo rd1	Password 2				
		Zeroing / channel definition	1	0				
		Factory settings	1	2				
		Use Management	3	4				

## 五、Channel Description:

Normal mode	Compact Mode	DMX	CH Function
1	1	0—255	X
2	*	0—255	X fine
3	2	0—255	
4	*	0—255	Yfine
5	3	0—255	X Y speed
6	4		Macro
		0—19	Empty
		20—24	Saving mode (230W)
		25—129	Empty
		130—139	Console lamp
		140—149	X Y rest
		150—159	Empty
		160—169	Effect rest
		170—199	Empty
		200—209	reset

		210–229	Empty
		230–239	Console off bubble
		240–255	Empty
7	5		Color film
		0–8	white
		9–17	Crimson
		18–26	Deep Blue
		27–35	Yellow
		36–44	Green
		45–53	Magenta
		54–62	Azure
		63–71	Red
		72–80	Dark green
		81–89	Amber
		90–98	Blue
		99–107	Orange
		108–116	Lower the temperature
		117–127	Fluorescent Blue
		128–129	White
		130–134	Fluorescent Blue + cooling
		135–138	Cooling + Orange
		139–143	Orange + Blue
		144–147	Blue + Amber
		148–152	Amber + dark green
		153–157	Dark green + red
		158–161	Red + Sky Blue
		162–166	Sky Blue + magenta
		167–171	Magenta + Green
		172–176	Green + Yellow
		177–180	Yellow + blue
		181–185	Dark blue + dark red
		186–189	Dark red + white
		190–220	From fast to slow flowing water
		221–250	From slow to fast flowing water
		251–255	
8	*		Empty
9	6		Empty
10	7		Fixed Gobo
		0–3	Empty
		4–9	gobo1
		10–15	gobo2

		16–21	gobo3
		22–27	gobo4
		28–33	gobo5
		34–39	gobo6
		40–45	gobo7
		46–51	gobo8
		52–57	gobo9
		58–63	gobo10
		64–69	Small beam1
		70–75	Small beam2
		76–87	Small beam3
			Pattern jitter from slow to fast
		88–95	gobo1
		96–103	gobo2
		104–111	gobo3
		112–119	gobo4
		120–127	gobo5
		128–135	gobo6
		136–143	gobo7
		144–151	gobo8
		152–159	gobo9
		160–167	gobo10
		168–175	Small beam1
		176–183	Small beam2
		184–199	Small beam3
		200–255	Fixed pattern of water from slow to fast
11	8		Rotating Gobo
		0–8	Empty
		9–17	gobo11
		18–26	gobo12
		27–35	gobo13
		36–44	gobo14
		45–53	gobo15
		54–62	gobo16
		63–71	gobo17
		72–80	gobo18
		81–89	gobo19
			Pattern jitter from slow to fast
		90–97	gobo11
		98–106	gobo12

		107—115	gobo13
		116—124	gobo14
		125—133	gobo15
		134—142	gobo16
		143—151	gobo17
		152—160	gobo18
		161—169	gobo19
		171—179	gobo19 stop
		180—217	From fast to slow flowing water
		218—255	From slow to fast flowing water
12	9		Rotation patterns
		0—127	Index
		128—177	Counterclockwise from slow to fast flowing water
		178—203	Stop
		204—255	Clockwise from fast to slow flowing water
13	*	0—255	Empty
14	10		Prism
		0—19	Empty
		20—75	Six linear prism
		76—255	Eight linear prism
15	11		Prism rotation
		0—127	Index
		128—191	Counterclockwise from slow to fast flowing water
		192—193	Empty
		194—255	Clockwise from fast to slow flowing water
16	12		Frost
		0—64	Empty
		65—255	Linear frost
17	13		enlarge
		0—255	Linear enlarge
18	*	0—255	Enlarge fine
19	14	0—255	Zoom
20	*	0—255	Enlarge fine
21	*	0—255	Empty
22	15		Strobe
		0—31	strobe Off
		32—63	Strobe open

		64—95	From slow to fast of strobe
		96—127	Strobe open
		128—143	By approaching fast start off slowly
		144—159	From slow to quickly start off slow
		160—191	Open strobe
		192—223	Random strobe from slow to fast
		224—255	Strobe Open
23	16		Dimmer
		0—255	Linear of dimmer
24	*		Empty

### **CLEANING AND MAINTENANCES**

In order to ensure the fixture could work normally, it should be kept clean always. It is recommended that the fans and ventilation inlet should be cleaned every 15 days. The lens should be regularly cleaned and maintain an optimum light output.