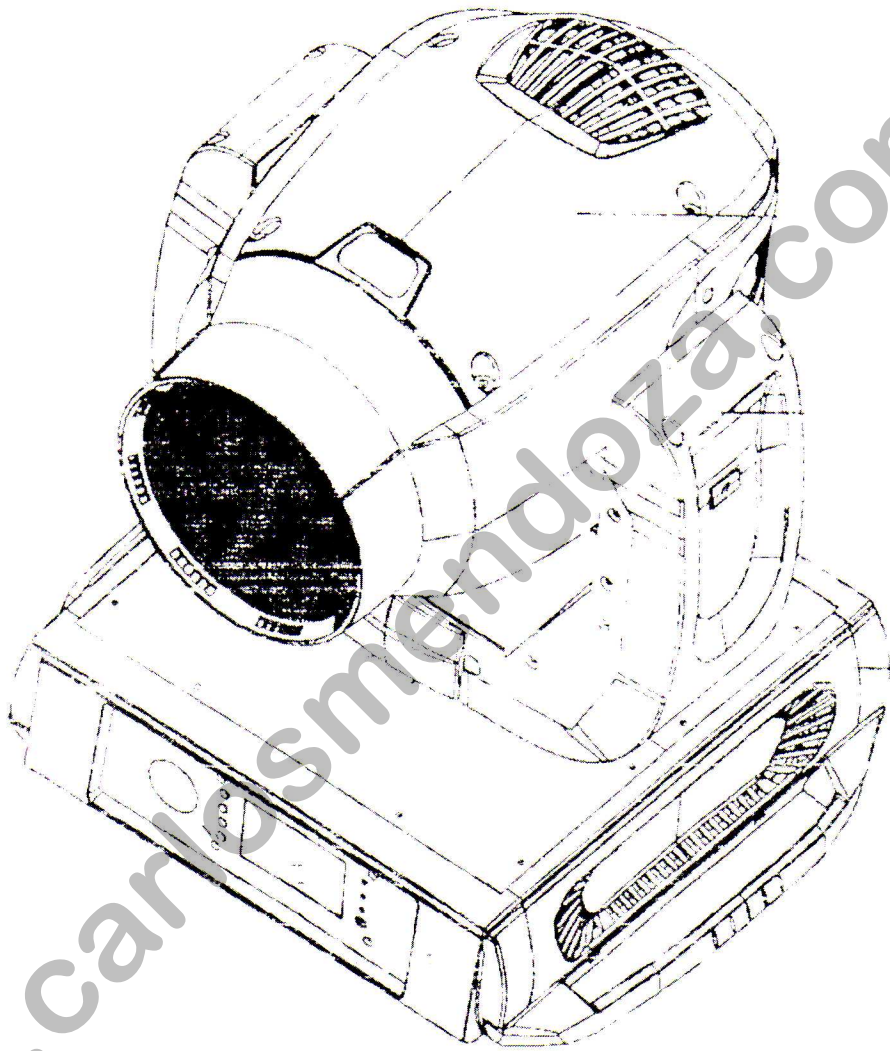
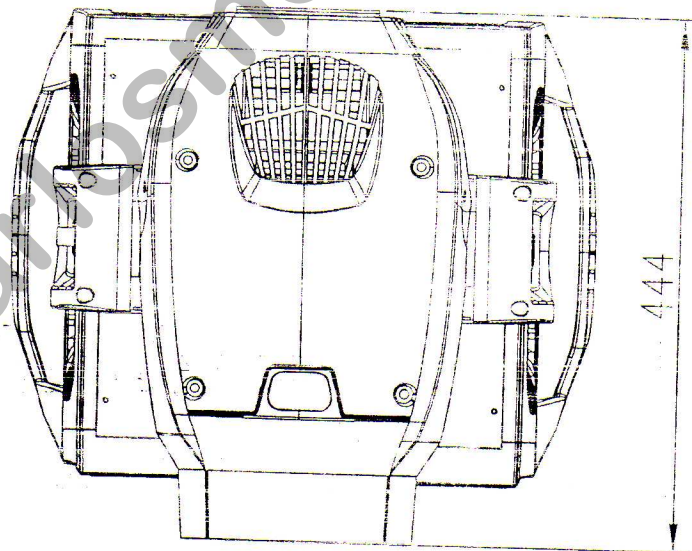
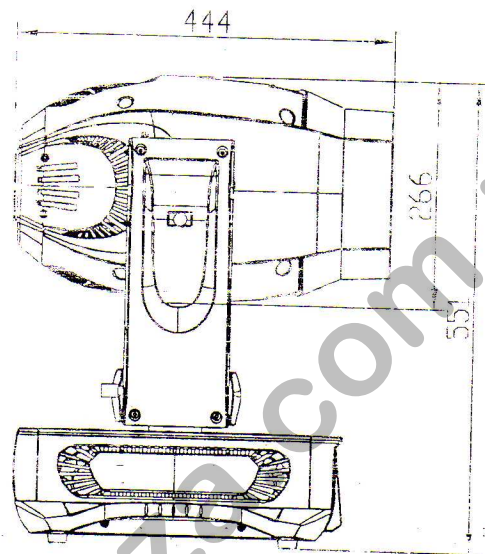
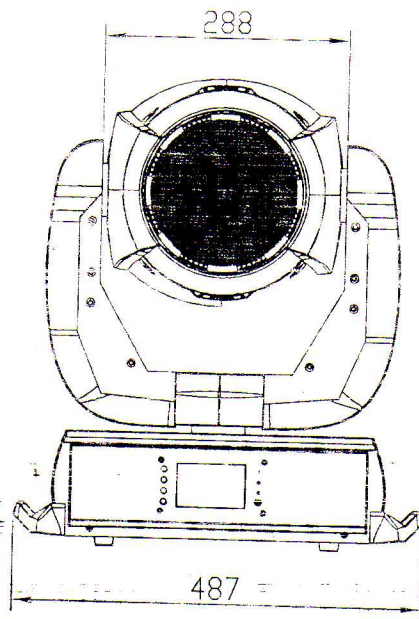


BEAM 300



SH-300B

6. Dimension



8.DMX protocol

BEAM :

DMX channel functions and their values (Mode1=19DMX Mode2=17DMX):

Model	Mode2	Name	Function	DMX Value
1	1	PAN 8BIT		0-255
2		Pan 16BIT		0-255
3	2	TILT 8BIT		0-255
4		TILT 16BIT		0-255
5	3	Speed pan/tilt movement	max to min speed	0-225
			blackout by movement	226-235
			blackout by all wheel changing	236-245
			no function	246-255
6	4	Color Wheel	Open / white	0-12
			Color 1	13-25
			Color 2	26-38
			Color 3	39-51
			Color 4	52-64
			Color 5	65-77
			Color 6	78-90
			Color 7	91-103
			Color 8	104-116
			Color 9	117-127
			Forwards rainbow effect from fast to slow	128-187
			No rotation	188-193
			Backwards rainbow effect from slow to fast	194-255
7	5	Rotating gobos index, cont. rotation	Open	0-9
			Rot. gobo 1	10-19
			Rot. gobo 2	20-29
			Rot. gobo 3	30-39
			Rot. gobo 4	40-49
			Rot. gobo 5	50-59
			Rot. gobo 6	60-69
			Rot. gobo 7	70-79
			Gobo 1 shake slow to fast	80-99
			Gobo 2 shake slow to fast	100-119
			Gobo 3 shake slow to fast	120-139
			Gobo 4 shake slow to fast	140-159
			Gobo 5 shake slow to fast	160-179
			Gobo 6 shake slow to fast	180-199
			Gobo 7 shake slow to fast	200-219
			Rot. gobo wheel cont. rotation slow to fast	220-255
8	6	Gobo rotating rotating	Gobo indexing	0-127
			Forwards gobo rotation from fast to slow	128-187
			No rotation	188-193
			Backwards gobo rotation from slow to fast	194-255
9	7	Cyan	Cyan (0-white, 255-100% Cyan)	0-255
10	8	Magenta	Magenta (0 white, 255-100% magenta)	0-255
11	9	Yellow	Yellow (0-white, 255-100% Yellow)	0-255
12	10	Speed Of CMY And Dimmer	Speed Fast → Slow	0-255

13	11	CMY and color wheel	No Function	0-15
			Macro 1	16-31
			Macro 2	32-47
			Macro 3	48-63
			Macro 4	64-79
			Macro 5	80-95
			Macro 6	96-111
			Macro 7	112-127
			Macro 8	128-143
			Macro 9	144-159
			Macro 10	160-175
			Macro 11	176-191
			Macro 12	192-207
			Macro 13	208-223
			Macro 14	224-239
			Macro 15	240-255
14	12	Frost	Frost 0~100%	0-191
			Pulse opening fast to slow	192-223
			Pulse closing slow to fast	224-254
			Max. Frost	255
15	13	Iris	Max. diameter to Min.diameter	0-191
			Pulse opening fast to slow	192-223
			Pulse closing slow to fast	224-255
16	14	Shutter, strobe	Shutter closed	0-31
			No function (shutter open)	32-63
			Strobe effect slow to fast	64-95
			No function (shutter open)	96-127
			Pulse-effect in sequences	128-159
			No function (shutter open)	160-191
			Random strobe effect slow to fast	192-223
			No function (shutter open)	224-255
17	15	Dimmer	Intensity 0 to 100%	0-255
18	16	Internal Programs	colour change normal	0-25
			colour change to any position	26-51
			Internal program 1	52-77
			Internal program 2	78-103
			Internal program 3	104-129
			Internal program 4	130-155
			Internal program 5	156-181
			Internal program 6	182-207
			Internal program 7	208-233
			Internal program 8	234-255
19	17	Lamp on/off, Reset	No Function	0-39
			Lamp switch off	40-59
			No function	60-79
			All motor reset	80-84
			Scan motor reset	85-87
			Colors motor reset	88-90
			Gobo motor reset	91-93
			Shutter & Dimmer motor reset	94-98
			Other motor reset	99-100
			No function	100-239
			Lamp on	240-255

9.Control menu map

PART NO.

MODE

TOTAL WORKING TIME

WORKING TIME

MODE

LAMP WORKING TIME

UP

ENTER

TEMP

DOWN

HEAD TEMP

Function Mode	Set Dmx Address	A001~AXXX		修改 DMX 地址
	Value Display	PAN Moving魔		显示各个通道值
	Auto Program	Master		自动程序主机
		Alone		自动程序单机
		OFF		关闭
	Music Control	Master		声控程序主机
Alone		声控程序单机		
OFF		关闭		
Information	Time Info	Current Time	ON/OFF	本次开机时间显示开关
		Total Run Time	ON/OFF	机器总运行时间显示开关
		Lamp Run Time	ON/OFF	灯泡的工作时间显示开关
		Clear Fixture Time	ON/OFF	清除机器当前运行时间 如果把通道 1,2,3 的数值设为 10,3,10, 在选择 ON 则同时清除机器总的运行时间
	Temp. Info	Base Temp	ON/OFF	显示屏手臂温度显示开关
		Near Lamp Temp	ON/OFF	头部温度显示开关
	Product Info.	Logo		商标
		Unit Model、VerXX		型号、软件版本
Company WEB		公司网址		
Lamp control	Switch lamp	ON/ OFF		灯泡开关
	Power on light	ON/ OFF		当上电时是否点亮灯泡
	Light by DMX	ON/OFF		开关灯泡是否受 DMX 信号控制

Lamp control	Lamp on delay	05M	灯泡开灯延时间 范围 5-60min	
	Switch Lamp Half	ON/OFF	手控半功率开关	
	Lamp Half Time	XXS	半功率动作时间 10s-200s	
Personality	Status Settings	Addr. Via DMX	ON/OFF	控制台修改地址开关。 当设为开时把通道 1 调到 10、通道 2 调到 10 (当所设地址大于 255 时, 则调到 11, 地址为通道 3 的值加 255)、通道 3 调到所要修改的地址值, 则 20 秒后灯具的地址被改为通道 3 设的数值。
		No DMX Status	Close	无 DMX 时的状态选择
			Hold	回到复位状态/保持无信号前的状态/运行自动程序/运行声控程序
			Auto	
			Music	
		Pan Reverse	ON/OFF	水平扫描反相
		Tilt Reverse	ON/OFF	垂直扫描反相
		Lamp optimization	ON/OFF	灯泡调光位置
		Feedback	ON/OFF	扫描调位置是否起作用
	Mic Sensitivity	70%, 0~99%	声控灵敏度调节	
	DMX Mode	Mode1/Mode2	通道模式 1/通道模式 2	
	Fans Control	Auto Fans Speed	风扇自动调速	
		High Fans Speed	风扇固定高速运转	
		Low Fans Speed	风扇固定低速运转	
	Display Set	Dis Close Time	05 M, 02.59M	显示屏背光关闭时间
	Temperature C/F	Celsius/Fahrenheit	温度单位选择	
	Language choose	Chinese/English	语言选择	
	Reset Default	ON/OFF	重载出厂时所有参数	
Reset Function	Reset All	灯具全部复位 扫描单独复位		
	Reset Pan/Tilt			
	Reset Color			
	Reset Gobo			
	Reset Pins			
	Reset Else			
Effect Adjust	Test Channel	PAN Moving 度	通道测试	
	Regulate Value	--Password--	Password=XXX	调节通道偏移量密码 088
		PAN	PAN =XXX	调节通道偏移量

10.Operation

Turn on the power, start reset,
LCD screen display company
logo, web address ,product name
and version.

LOGO

产品型号、软件版本号

www.XXXXXXXXXXXXXX.com

Reset

After reset, fixture corresponding to the state follow LCD display info:

The picture shows the screen
displayed DMX address, "001"
means DMX address. The DMX
signal connection normal if there
no flash on the screen. This state
can check the connection between
fixture and controller

LOGO

001

XXXXXXXX

#1 * H=0000°

E=0000°

L=0

E=0

H=0

The picture shows the screen
displayed different DMX value, "
color" is the channel name, "000"
means the DMX value of this
channel. The DMX signal is unusual
if the screen flash and it's normal
if no flash. This state can check
the connection between fixture
and controller.

LOGO

000

Color

XXXXXXXX

#1 H=0000°

E=0000°

11. Performance trait

Rated input voltage: 100-240VAC

Rated power: 450W

Frequency: 47-63Hz

Lamp: Philips MSD GOLD 300/2 Mini FastFit

Gobo wheel: 7 rotating gobo+white, gobo shake and gobo position

Easy Gobo insert and pull system,

Color wheel: 5 trapezoid color+white, half color effect, changeable speed and two way rainbow effect, color position/optional color.

Dimmer: 0%-100% linear dimmer

Strobe: two motor strobe, with synchronous, asynchronous, random strobe.

Frost: linear adjust.

Iris: linear adjust, Pulse change

Horizontal scan: 540° 16bit fine scan

Vertical scan: 260° 16bit fine scan

DMX address setup, lamp on/off, reset can be controlled by DMX controller.

DMX address setup, lamp on/off, reset can be controlled by DMX controller.

Friendly white/blue LCD display, English/Chinese control mode.

Channel mode1: 19 standard DMX512 channels

Channel mode2: 17 standard DMX512 channels

CMY color change system: linear adjust, adjustable speed.

十一、other options

- Pan/tilt speed adjustable.
- Auto half power when shut.
- DMX value display, easy for checking.
- Display auto shut down.
- Display using time of fixture and lamp.
- Choosing lamp on/off when switch on.
- Lamp on controlled by DMX.
- Lamp on/off protect function, adjustable timing from 5minutes to 60minutes, to prevent high temperature lit up the lamp
- DMX signal protection.
- Easy maintain with modularization.