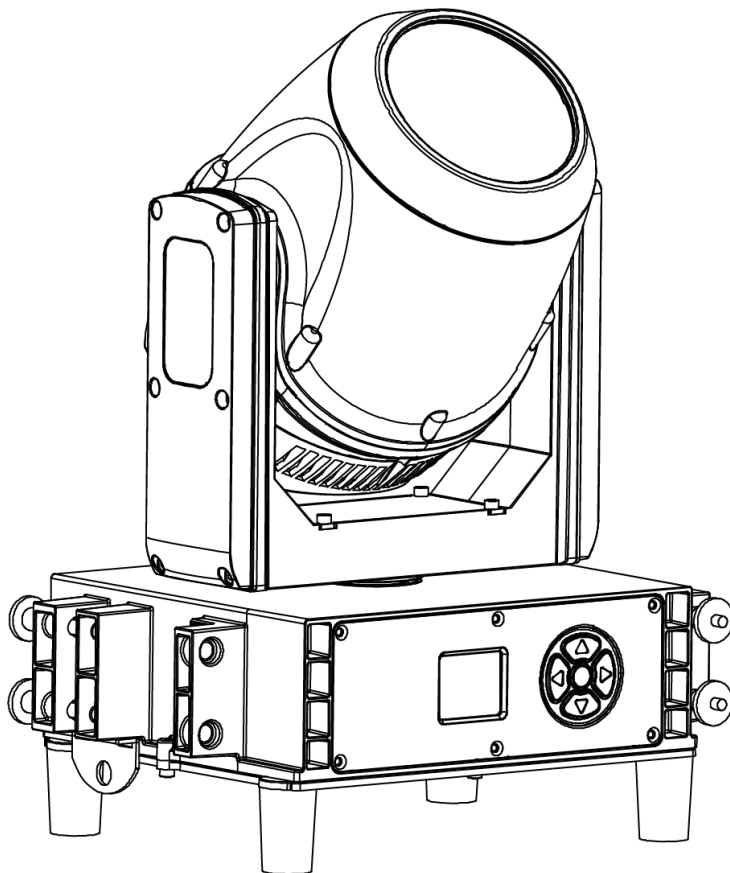


270NIP

Vespa IP65 200W Splicable Moving Light



User Manual

Please read manual carefully before use

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Thank you for choosing our LED lights. Each facility has been rigorously tested. Please check whether the facility has been damaged during transportation. If you find any parts are missing or broken, please contact the manufacturer immediately. Please do not return the product without any notice!

1.Safety Instructions



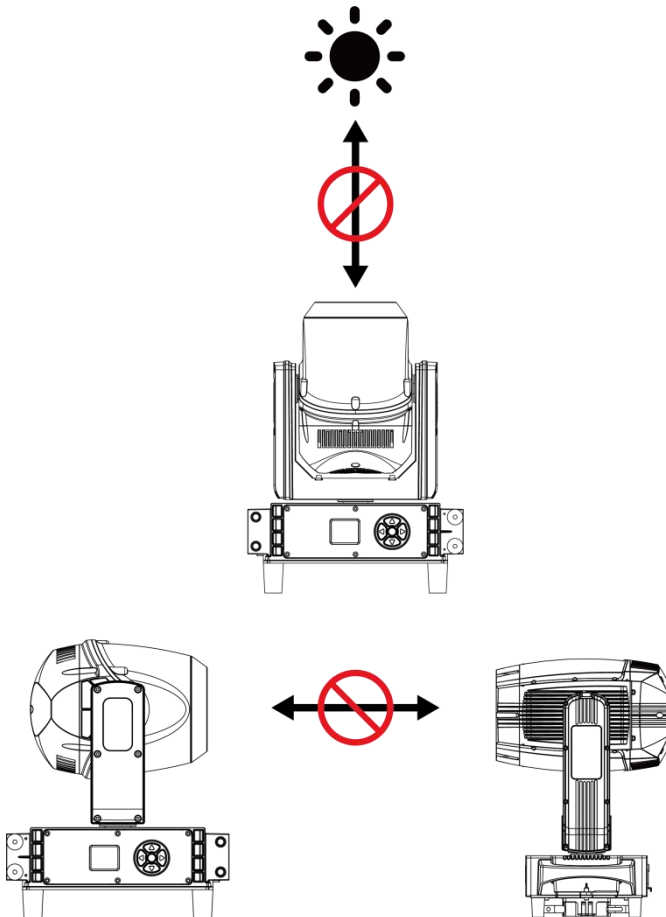
Please read this manual carefully, which includes important information on installation, use and maintenance.

Attention

- Please keep this USER MANUAL for future consultation. If you sell the facility to another user, be sure that they also receive this USER MANUAL.
- Please open and check in details and make sure there is no transportation damage.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the facility.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The facility must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Make sure the power is disconnected before removing the facility.
- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.
- Use safety cable when fixes this facility. Do not handle the facility by taking its head only, but always by taking its base.
- Maximum ambient temperature is 40 °C . Do not operate it where the temperature is higher than this.
- Please stop using the facility for serious operating problems. Stop using the facility immediately. Never try to repair the facility by yourself, but be a professional technician. Please contact the supplier's service department

for technical support.

- Do not touch any wire during operation as high voltage might be causing electric shock.
- When the housing or lens is damaged, it must be replaced.
- Direct sunlight or any other strong light source penetrating the lens of the light will cause serious internal damage to the facility. During unpacking, installation, use and long-term outdoor idleness, it is forbidden to expose the lens of the facility to direct sunlight or any other strong light source at any angle. It is forbidden to aim the beam of one light directly at another light.



Caution

There are no accessories available, do not open the housing and try to repair the facilities yourself. Please contact our company for after service.

Installation

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

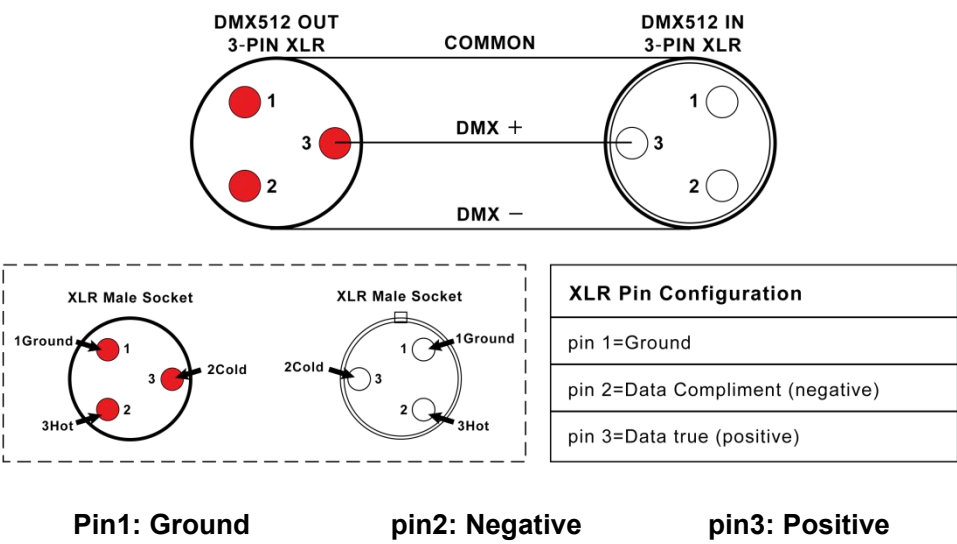
The facility must be installed by professionals, and keep it far away from fire, walking road, and easy touched place.

2. Technical Specification

Light Source	1x 200W 4IN1 RGBW LED 24x 0.2W 3IN1 RGB LED
LED Lifetime	≥ 50000H
Power Voltage	AC100-240V , 50-60Hz
Power Consumption	240W±5%
Beam Angle	3.5°-45°
Control Modes	DMX512/ Auto/ Sound/ Master/ Manual/ RDM/ Art Nett(optional)
DMX Channel	22/ 30/ 13(DMX+ArtNet) Channel
Protection Rating	IP65
Display	1.8" TFT Display
Data In/Out Socket	3-pin XLR sockets
Power Socket	Power-Con in/ out
Housing Material	Aluminum

Pan	540°accuracy 2.11°/step, fine-tuning accuracy: 0.008°		
Tilt	270°accuracy 0.86°/step, fine-tuning accuracy: 0.0034°		
Pan/Tilt Resolution	Automatically correct pan/tilt position		
MAX. Connection	16 units (240V, 50Hz) 1.5mm ² power cable		
	8 units (100V, 60Hz) 1.5mm ² power cable		
Dimension	303mm*225mm*409mm		
Net Weight	9kg		
Carton Package	460*325*385mm	1in1	GW: 13.25kg
Flight Case	1060*690*620mm	6in1	GW: 100.8kg
Features	Full light range dimming, 65536 dimming accuracy, 4 dimming curves to choose from; fast strobe 1~25Hz; lamps can be spliced, integrating dyeing, beam, Multi-Coloured Flower Effects; preset multiple effect macro functions;		
Configuration	Signal cable 1pc		
	Power cable 1pc		
	Manual 1pc		

3. DMX Set Up



DMX Connection

To ensure optimal transmission of DMX data, please connect facilities in the shortest way. The connection order won't affect the DMX address code. For example, if the address code is set to 1, no matter where the facility is connected, its address code will not change. This is determined by the principle of the DMX controller.

Operation method

You can operate in the following three modes:

- Auto mode - the light can automatically complete all color changes
- DMX control mode - each light can be individually controlled by a standard DMX512 console
- Master mode - any light can work as a host in any of the above modes, and the other lights will work synchronously as slaves

4. Display

There are five buttons on the LED panel: ESC, UP, DOWN, ENTER and SAVE.

Display

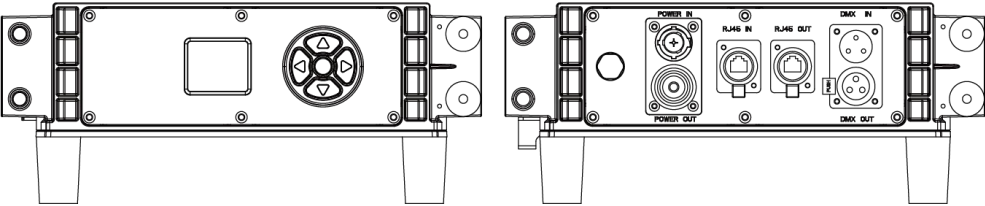


ESC UP DOWN ENTER SAVE

ESC	to exit or back to the previous menu
UP/ DOWN	to navigate through menu options or adjust values
SAVE	to save the adjusted settings/ values and back to the previous menu
ENTER	to enter next menu level.

FRONT VIEW

REAR VIEW



After powering on, the facility will automatically return to the last operation when it was powered off, then get into standby status. For more details, please refer to the information below↓

5. Menu

-ESC ▲-UP ▼-DOWN ↵ -ENTER ✓-SAVE			
Menu	1.Degree	1.540 2.360	Horizontal running angle selection
	2.Sound Set	001--100	Sound sensitivity set
	3.Language	Chinese English	Select Language
	4.No Signal	BlackOut 2.Hold	
	5.Fan Set	1.Auto 2.Low 3.High	
	6.ArtNet Set	1.ArtNet Enable: 1.ON 2.OF)	
		2.Universe:0---255	
		3.IP Mode: A.2.X.X.X AUTO B.10.X.X.XAUTO C.Custom	
		4.Custom IP:192.168.000.001	
		5.SubNetMask: 255.000.000.000	
	7.Reset	1.Yes	Reset
		2.No	
	8.Default	1.Yes	Default
		2.No	
	9.Adjust	Password: ****	Change Pan/ Tilt/ Focus/ Rota value to correct the angle.Change the R/ G/ B/ W value to adjust the white balance
		1.Pan:0--255	
		2.Tilt:0--255	
		3.Focus:0--255	
		4.Rota: 0--255	
		5.Frost: 0--255	
		6.Red1: 0--255	
		7.Green1: 0--255	
		8.Blue1: 0--255	
		9.White1: 0--255	
Address Set	001--512		Address code from 001-512
Rever	1.Pan		1.YES 2.NO

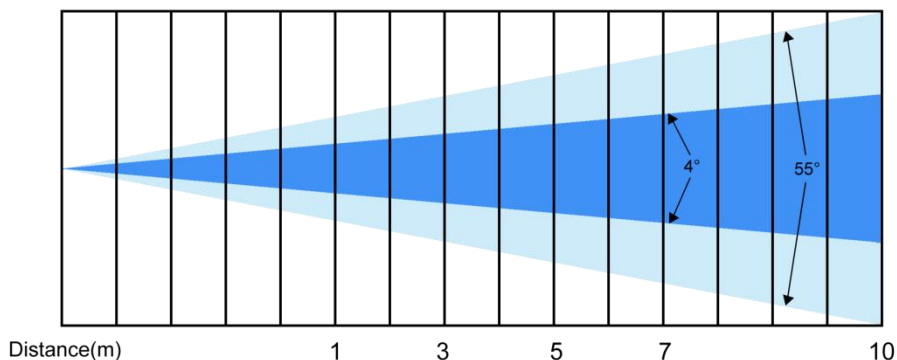
	2.Tilt			1.YES	2.NO
	3.Display			1.YES	2.NO
Inform	1.CH Value			Shown all channel information	
	2.Tem**℃			Show the temperature of LED board	
	3.Version	1.270-DIS-NET-2.0 Soft V1.0		Program version number	
		2.270-DRIVE-A-2.0 Soft V1.0			
		3.270-DRIVE-B-2.0 Soft V1.0			
	4.IP	IP002.018.016.085		Default IP	
	5.Mask	Mask255.000.000.000		Default Submask	
Mode	1.DMX512			Select Mode	
	2.Auto	1.Master 2.Alone			
	3.Sound	1.Master 2.Alone			
	4.Manual	1.Maste 2.Alone	1.Pan:0--255	Manual control	
			2.Tilt:0--255		
			3.Focus:0--255		
			4.Rota:0--255		
			5.Frost:0--255		
			6.Red1: 0--255		
			7.Green1: 0--255		
			8.Blue1: 0--255		
			9.White1: 0--255		
			10.Strobe1: 0-255		
			11.Red2: 0--255		
			12.Green2: 0--255		
			13.Blue2: 0--255		
			14.Strobe: 0-255		
Channel	1.22Channels	22CH		Select Channels	

	2.30Channels	30CH	
	3.13Channels	13CH	

6. LUX Data

BeamAngle=4°(1*200W)

R lux	34000	3777	1360	693	340
G lux	66750	7416	2670	1362	667
B lux	15875	1763	635	323	158
W lux	130250	14472	5210	2658	1302
ALL lux	208250	23138	8330	4250	2082



7. DMX Channel List

► 22CH Mode

CH	Function	DMX Value	Description
1	Pan	0--255	Pan control
2	Pan adjustment	0--255	Pan adjustment
3	Tilt	0--255	Tilt control
4	Tilt adjustment	0--255	Tilt adjustment
5	Pan/Tilt speed	0--255	From fast to slow

6	Dimming		0--255	From dark to bright
7	Middle LED 200W	Strobe	0--3	Strobe dimming
			4--203	From slow to fast
			204--255	Random strobe
8		Red	0--255	From dark to bright
9		Green	0--255	From dark to bright
10		Blue	0--255	From dark to bright
11		White	0--255	From dark to bright
12		Zoom	0--255	From narrow to wide
13		Rotation	0--127	Slide (0~360 degrees)
			128--189	Flow (forward From fast to slow)
			190--193	Stop
			194--255	Flow (reverse From slow to fast)
14		Frost	0--127	No
			128--255	Frost
15		Color temperature	0--15	No function
	16--35		R100%,G UP,B0%	
	36--55		R DOWN,G100%,B0%	
	56--75		R0%,G100%,B UP	
	76--95		R0%,G DOWN,B100%	
	96--115		R UP,G0%,B100%	
	116--135		R100%,G0%,B DOWN	
	136--155		R100%,G UP,B UP	
	156--175		R DOWN,G DOWN,B100%	
	176--195		R 100%,G 100%,B100%,W100%	
	196--200		2800K	
	201--205		3200K	
	206--210		3700K	

			211--215	4000K
			216--220	4500K
			221--225	5000K
			226--230	5600K
			231--235	6000K
			236--240	6500K
			241--245	7000K
			246--250	7500K
			251--255	8000K
16	Ring	Strobe	0--3	Strobe dimming
4--203			Synchronous strobe speed from slow to fast (1HZ-25HZ)	
204--255			Random strobe	
17		R Dimming	0--255	From dark to bright
18		G Dimming	0--255	From dark to bright
19		B Dimming	0--255	From dark to bright
20		Effect	0--4	No effect
			5--9	Single color effect 1
				(5 numbers 1 single color)
			80--84	Single color effect 16
			85--89	Mixed color effect 1
				(5 numbers 1 Mixed color)
			135--139	Mixed color effect 11
			140--255	reserve
21		Dynamic effect speed (With 20CH)	0--63	Forward effect (from fast to slow)
			64--127	Forward and fade effect (from fast to slow)
			128--191	Reverse effect (from fast to slow)
			192--255	Reverse and fade effect (from fast to slow)

22	Function	0--137	No function
		138--149	PWM output frequency 1K-64K (stay for 3s) 1K, 2K, 4K, 6K, 8K, 10K, 16K, 20K, 24K, 32K, 48K, 64K
		150--159	Fast dimming
		160--169	Slow dimming (From fast to slow)
		170--250	No function
		251--255	Lamp body reset (stay for 3s)

► 30CH Mode

CH	Function		DMX Value	Description
1	Pan		0--255	Pan control
2	Pan adjustment		0--255	Pan adjustment
3	Tilt		0--255	Tilt control
4	Tilt adjustment		0--255	Tilt adjustment
5	Pan/Tilt speed		0--255	From fast to slow
6	Dimming curve		0--49	Linear dimming
			50--99	Square rate dimming
			100--149	Inverse square rate dimming
			150--255	S-curve dimming
7	Middle LED 200W	Dimming	0--255	From dark to bright
8		Dimming adjustment	0--255	Dimming adjustment control
9		Strobe	0--3	Strobe dimming
			4--203	strobe speed slow to fast (1HZ-25HZ)
			204--255	Random strobe

10	R	0--255	From dark to bright
11	Red M	0--255	From dark to bright
12	G	0--255	From dark to bright
13	Green M	0--255	From dark to bright
14	B	0--255	From dark to bright
15	Blue M	0--255	From dark to bright
16	W	0--255	From dark to bright
17	White M	0--255	From dark to bright
18	zoom	0--255	From narrow to wide
19	Rotation	0--127	Slide (0~360 degrees)
		128--189	Flow (forward from fast to slow)
		190--193	Stop
		194--255	Flow (reverse from slow to fast)
20	Frost	0--127	No Frost
		128--255	Frost
21	Color temperature	0--15	No function
		16--35	R100%, G up, B0%
		36--55	R down, G100%, B0%
		56--75	R0%, G100%, B up
		76--95	R0%, G down, B100%
		96--115	R up, G0%, B100%
		116---135	R100%, G up, B down
		136---155	R 100%down, G Up, B Up
		156---175	R down, G down, B100%
		176---195	R100%, G100%, B100%, W100%
		196--200	2800K
		201--205	3200K

			206--210	3500K
			211--215	4000K
			216--220	4500K
			221--225	5000K
			226--230	5500K
			231--235	6000K
			236--240	6500K
			241--245	7000K
			246--250	7500K
			251--255	8000K
22		Macro color	0--9	No function
			10--19	Macro color 1
			20--29	Macro color 2
				(10 numbers 1 macro color)
			150--255	Macro color 15
23	Ring	Dimming	0--255	From dark to bright
24		Storbe	0--3	Strobe dimming
			4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)
			204--255	Random strobe
25		R dimming	0--255	From dark to bright
26		G dimming	0--255	From dark to bright
27		B dimming	0--255	From dark to bright
28		Effect	0--4	No effect
			5--9	Single color effect 1
				(5 numbers 1 single color)
			80--84	Single color effect 16
			85--89	Mixed color effect 1
				(5 numbers 1 Mixed color)

29	Dynamic effect speed (With 28CH)	135--139	Mixed color effect 11
		140--255	reserve
		0--63	Forward effect (from fast to slow)
		64--127	Forward and fade effect (from fast to slow)
		128--191	Reverse effect (from fast to slow)
		192--255	Reverse and fade effect (from fast to slow)
30	Function	0--137	No function
		138--149	PWM output frequency 1K-64K (stay for 3s) 1K, 2K, 4K, 6K, 8K, 10K, 16K, 20K, 24K, 32K, 48K, 64K
		150--159	Fast dimming
		160--169	Slow dimming (From fast to slow)
		170--250	No function
		251--255	Lamp body reset (stay for 3s)

► 13CH Mode (DMX512 + ArtNet)

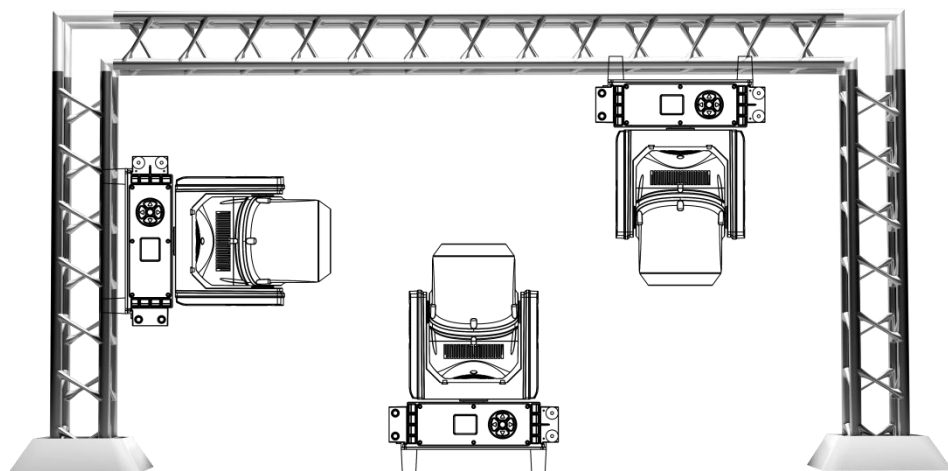
CH	Function	DMX Value	Description
1	Pan	0--255	Pan control
2	Pan adjustment	0--255	Pan adjustment
3	Tilt	0--255	Tilt control
4	Tilt adjustment	0--255	Tilt adjustment
5	Pan/Tilt speed	0--255	From fast to slow
6	Function	0--137	No function
		138--149	PWM output frequency 1K-64K (stay for 3s) 1K, 2K, 4K, 6K, 8K, 10K, 16K, 20K, 24K, 32K, 48K, 64K

			150--159	Fast dimming
			160--169	Slow dimming (from fast to slow)
			170--250	No function
			251--255	Lamp body reset (stay for 3s)
7	Middle LED 200W	Dimming	0--255	From dark to bright
8		Strobe	0--3	Strobe dimming
			4--203	Synchro strobe speed slow to fast (1HZ-25HZ)
			204--255	Random strobe
9		Zoom	0--255	From narrow to wide
10		Rotation	0--127	Slide (0~360 degrees)
			128--189	Flow (forward from fast to slow)
			190--193	Stop
			194--255	Flow (reverse from slow to fast)
11		Frost	0--127	No Frost
			128--255	Frost
12	Ring	Dimming	0--255	From dark to bright
13		Strobe	0--3	Strobe dimming
			4--203	Synchronous strobe speed from slow to fast (1HZ-25HZ)
			204--255	Random strobe
ArtNet signal control				
1	Middle LED 200W	0--255	Middle LED 200W	R Dimming
2		0--255		G Dimming
3		0--255		B Dimming
4		0--255		W Dimming
5	Ring	0--255	Ring	R Dimming
6		0--255		G Dimming
7		0--255		B Dimming

8. Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. an appropriate safety cable. Never stand directly under the facility while mounting, uninstalling or repairing facilities.

High-altitude mounting requires for extensive experience, including working load limits calculating , installation material, and periodic safety check of installation materials and facilities. If you're lack of mentioned qualifications, do not attempt the installation yourself. These installation should be checked by a skilled person annually.

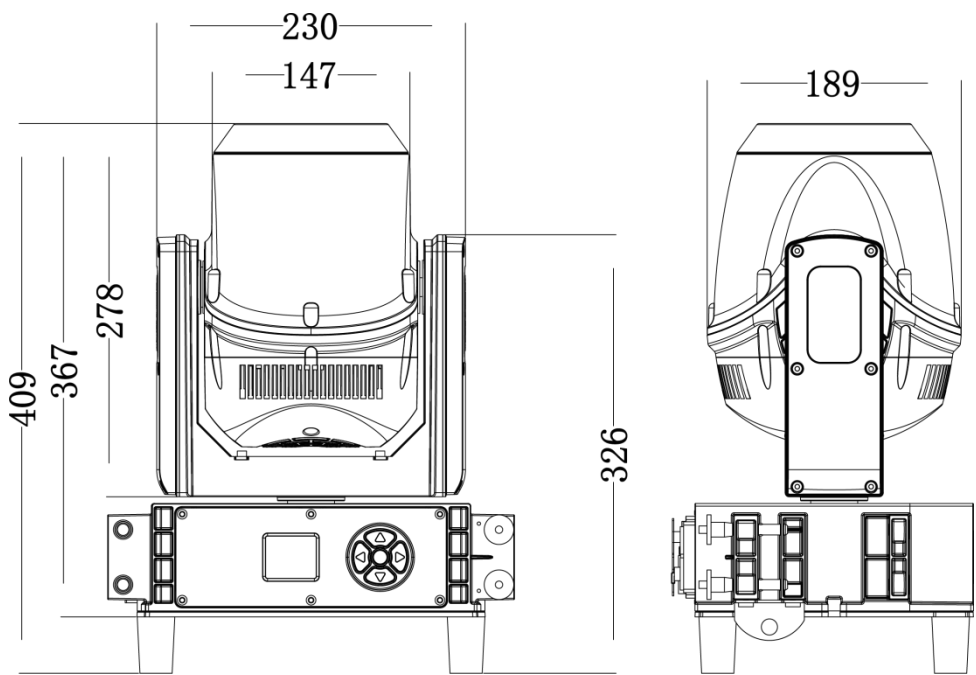


270NIP works properly in above different mounting, hanging upside-down from a ceiling, sideways on trussing, or set on smooth horizontal surface. Be sure this facility is at least 1m (3.5ft) away from flammable materials (decoration

etc.). Always use and install the safety cable to prevent accidental damage or injury from the facility failure. Never use handles for secondary attachment.

NOTICE: The suitable environment temperature of the facility is from -10℃ to 45℃. Do not place this facility in an environment where the temperatures are under or above the temperatures stated. This will help the fixture run at its best and extend the lifetime.

9. Product Size



10. Attention

1. When the facility is powered on, please avoid looking directly at the facility.
2. When assembling/ replacing LED, be sure to cut off the main power of facilities before opening the cover upon the LED board.

11. Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the status of power connection and fuse.
2. Check the voltage.
3. Check the power indicator.

B. No response to DMX controller

1. If the display screen flashes, check the DMX signal connector and signal line whether the connection is correct.
2. If the display screen does not flash, but no response to channel control, check whether the address code or channel setting is correct.
3. If the DMX signal transmission is intermittent, check if the XLR and DMX cables are in good condition.
4. Try using another controller.
5. Check if the DMX cables is too close to the high-voltage wire, which may damage or interfere with the signal circuit.
6. The facility has not completed the self-check.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

12. Fixture Cleaning

The lens and diffuser should be clean frequently to get better light effect. Wipe frequency according to the environment. Humidity, excessive smoke, and dirty environment will make lens dusty.

- Use soft cloth and special glass cleaner.
- Wipe lens surface at least every 30 days.
- Use vacuum cleaners or air guns to clean the interior structure of the facility, at least twice a year.



Warning:

To avoid the danger of lighting strikes and fire, please do not place the facility in a humid environment. Do not disassemble it without permission, otherwise, the manufacturer will not provide warranty. If the facility fails, please contact the manufacturer first.

Product Warranty Card

Product: Vespa IP65 200W Splicable Moving Light

Model NO.: 270NIP

Manufacture Date:

User:

Purchase Date:

Manufacturer:

Sales Store:

Address:

ATTN.:

ATTN.:

Phone:

Phone:

Note: The above blank must be filled in and sealed by the end user or sales point, otherwise no warranty will be provided. (Below please check the warranty period and terms)

Warranty Period: This facility is warranted for 2 years from the date of purchase.

Warranty Terms:

1. Except for man-made damage and natural disasters
2. If the facility fails to function properly during the warranty period, please contact our after service department or our local distributor directly.
 - 1) Fail to present a valid warranty card.
 - 2) Omissions, alterations, and trade sales names on the warranty card.
 - 3) Failures and damage caused by force majeure.
 - 4) Failures and damage caused during transportation and handling.
 - 5) Failures and damage caused by failure to follow the instructions for use.
 - 6) Failures and damage caused by disassembly, repair, and modification of the product without the manufacturer's authorization or by non-professionals.
 - 7) Failures caused by the use of accessories not approved by the factory or not matched by the factory.

▲ Thank you for reading this manual. Please keep it for future reference.