



Li-Spot

LH-L30

This manual contains important information.
Please read before operating fixture.

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[http:// www.leahualighting.com](http://www.leahualighting.com)

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Accessories

Name	Quantity	Remark
User manual	1pc	
Power cable	1pc	
DMX signal cable	1pc	

1. Safety Instructions

WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- Check before use

Before operation, inspect the fixture for transportation damage. Do not use it if damaged. Unauthorized modification or improper use is not covered by warranty.

- Environment

The fixture is IP65-rated, suitable for indoor/outdoor use, and can operate in humid or dusty areas. Keep it away from excessive heat, fire, vibration, electrical surges, and strong light.

- Personnel & operation

Installation and operation must be performed by qualified personnel. Ensure all covers are securely in place, wear protective gear, and do not open the housing or attempt self-maintenance.

- Optical safety

Do not look directly into the light source. Do not use with dimmer packs. Maintain a minimum distance of 20 m from illuminated surfaces, and replace damaged optical components immediately.

- Electrical safety

Ensure correct voltage, proper grounding, and compliant power cords. Do not use damaged cables, and unplug by holding the plug. Avoid operating under heavy rain or extreme humidity, and avoid frequent on/off switching.

- Installation

Use the safety cord through the provided safety holes. Keep at least 50 cm ventilation clearance and do not mount on flammable surfaces or aim the beam at combustible objects (minimum 20 m).

- Temperature & normal conditions

Housing temperature may reach 45 – 75° C during operation. Slight smoke or odor may occur at first ignition and is considered normal.

2. Technical Specifications

Power

Input Voltage: AC90-230V, 50-60Hz

Power Consumption:45W

Light source

Light Source:30W LED

Life expectancy:About 20000hours (factory rated)

Beam Angle

Beam Angle:11.4°

Control

Display: LCD display

Control Channel: 9/ 11CH


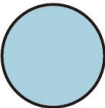

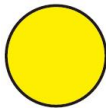

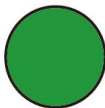

Control Mode: DMX512, master-slave, auto, sound, wireless, remote

Head Movement

Pan/ Tilt: 540°/ 270° 16 bit

Color

7colors + open, with rainbow effect

Orange	Light Blue	Rose	Yellow	Blue	Green	Red
						

Gobo

7 gobos + open



Dimming/Strobe

Dimming: 0-100% linear dimming system

Strobe: 0-20 F.P.S, speed adjustable

Housing

Housing: Plastic

Protection rate: IP20

Connection

Power Connection: IEC in/ out

Signal Connection: DMX 3-pin in/ out

Working temperature

Working temperature: -10°C- 45°C

Battery

Battery Type: Lithium ion

Battery Life: About 5 hours

Battery Charge Time: About 7 hours (full power)

Battery Power: 105.6Wh; 12V, 8800mAh

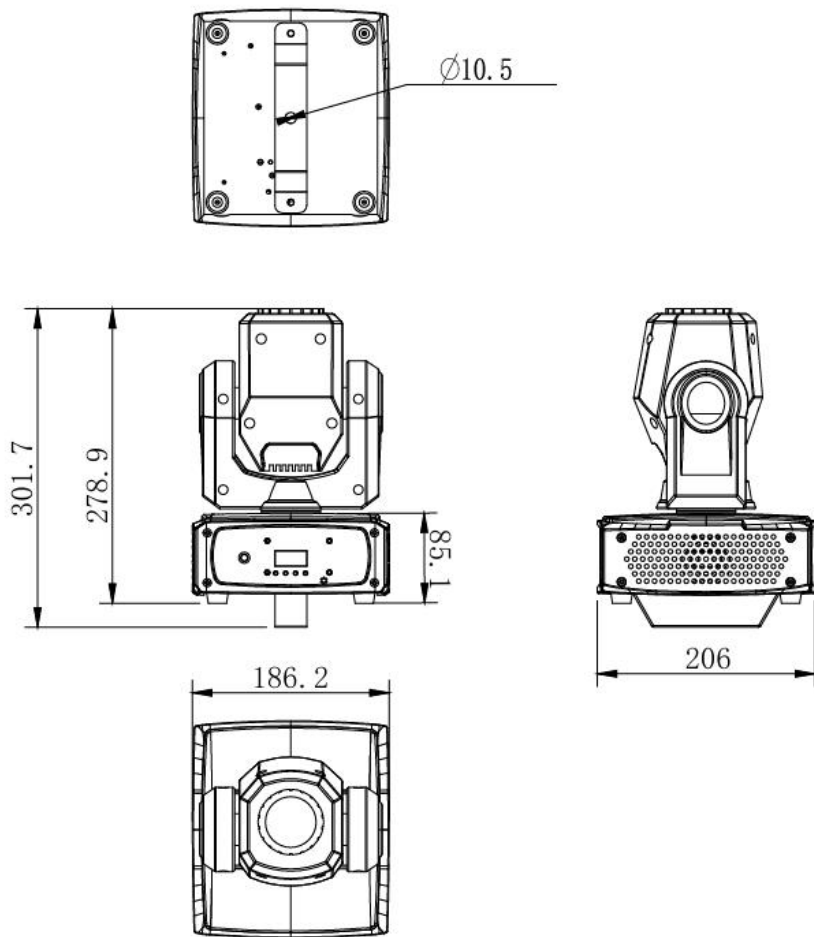
Product dimensions

186.2×206×301.7mm

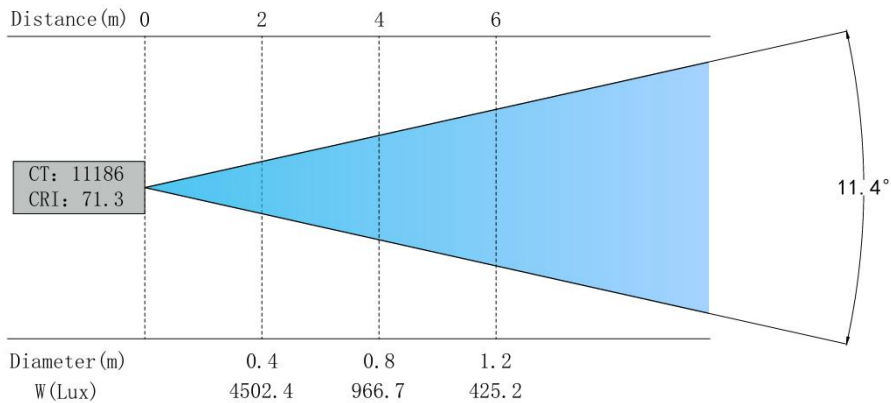
Net weight

4.1kg

Dimensions:

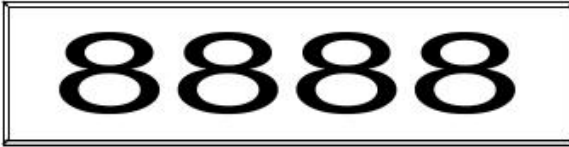


Light output:



3. Operation

3.1 Front panel operation:



MENU	To enter into move backward or leave the menu
UP	To go backward to move up in the menu
DOWN	To go forward to move down in the menu
ENTER	To perform the desired functions

Pressing any button from the home screen will show the selectable menu items from the menu map. When a menu function is selected, the display will immediately show the first available option for the selected menu function. To select a menu item, press <ENTER>.

Use the <UP> and <DOWN> buttons to navigate the menu options. Press the <ENTER> button to select the menu function currently displayed, or to enable a menu option. To return to the previous option or menu without changing the value, press the <MENU> button.

3.2 Board instruction:

Addr	A001-A512	512 address setting
CHnd	11CH	11 channel setting
	9CH	9 channel setting

SLnd	MAST	Host mode
	SL 1	Console mode
	SL 2	Slave mode
SHnd	SH 0	Effect 0 (recommended)
	SH 1	Effect 1
	SH 2	Effect 2
	SH 3	Effect 3
Soud	on	Voice activated
	oFF	Voice off
SEnS	0-99	Sound control sensitivity adjustment
bLAnd	bLAc	No 512 signal to zero
	Auto	No 512 signal self
	Soun	No 512 signal
	HoLd	No 512 signal to maintain the status of the last console
LEd	OFF	5 seconds after the screen off
	ON	Screen always open
dISP	no	Display reverse
	YES	Show forward
rPAN	no	X motor forward

	YES	X motor inversion
rTiL	no	Y motor forward
	YES	Y motor inversion
REST	YES	System reset

4. DMX Protocol

9 channel mode		
passageway	function	Explain
1	Horizontal operation	0-255
2	Vertical operation	0-255
3	colour	
	0-139	Color selection
	140-255	Automatic color change from slow to fast
4	pattern	
	0-63	Fixed pattern
	64-127	Pattern dither
	128-255	Automatic pattern change, from slow to fast
5	Strobe	0-255
6	Dimming	0-255
7	Horizontal vertical operation	0-255
8	Automatic mode	0-255 Up regulation forward, downward adjustment reversal
9	0-20	Other mode effects
	21-100	X motor automatic mode
	101-200	Y motor automatic mode
	201-249	Both X and Y motors automatic mode

	reset	250-255 (5 sec)
11 channel mode		
passageway	function	Explain
1	Horizontal operation	0-255
2	pan fine	0-255
3	Vertical operation	0-255
4	Tilt Fine	0-255
5	colour	
	0-139	Color selection
	140-255	Automatic color change from slow to fast
6	pattern	
	0-63	Fixed pattern
	64-127	Pattern dither
	128-255	Automatic pattern change, from slow to fast
7	Strobe	0-255
8	Dimming	0-255
9	Horizontal vertical speed	0-255
10	Automatic mode	
	0-59	Other channel effects
	60-84	Auto mode 3
	85-109	Auto mode 2
	110-134	Auto mode 1

	135-159	Auto mode 0
	160-184	Sound hole mode 3
	185-209	Sound hole mode 2
	210-234	Sound hole mode 1
	235-255	Sound hole mode 0
11	0-20	Other mode effects
	21-100	X motor automatic mode
	101-200	Y motor automatic mode
	201-249	Both X and Y motors automatic mode
	reset	250-255 (5 sec)

5. Maintenance & Cleaning

Regular maintenance is essential to ensure optimal performance and extend the service life of the fixture.

5.1 Cleaning

Disconnect the unit from power before any cleaning work.

Use a soft, lint-free cloth slightly dampened with mild detergent to clean the exterior surfaces.

Gently remove dust from ventilation slots, optical lenses, and cooling components using compressed air or a soft brush.

Avoid using solvents, alcohol, or abrasive materials that may damage the housing or optical elements.

5.2 Lubrication

This fixture is designed with sealed or maintenance-free moving parts.

Under normal operating conditions, no additional lubrication is required.

If abnormal noise or movement resistance is observed, contact qualified service personnel before applying any lubricant.

5.3 Troubleshooting

If the fixture does not power on, verify the power supply, cables, and connectors.

For control issues, check DMX addressing, cable integrity, and ensure proper 3-pin/5-pin XLR connections.

Overheating or unexpected shutdown may indicate blocked ventilation; inspect and clean air inlets and outlets.

If problems persist after basic checks, discontinue use and contact authorized service technicians.



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