



Pinspot 1

LH -PS10

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

Guangzhou Leahua Lighting Technology Ltd
[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 IP20-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: AC100-240V 50/ 60Hz, DC 13.2V 2A

Power Consumption:10W

Light source

Light Source: 10W Warm White LED

Color Temperature Output of Fixture: 3200K

Life expectancy: 20000 hours (factory rated)

Zoom Range:

Zoom range: 3°-60°

Control

Display: Digital Display

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

Channel: 2CH

Dimming/Strobe

Dimming: 0-100% linear dimming system

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

Housing

Housing:Aluminum alloy

Protection rate: IP20

Working temperature

Working temperature:-10°C - 45°C

Battery

Battery type: Lithium Ion

Battery Power: 49.95Wh; 11.1V, 4500mAh

Battery Charge Time: About 2.5 hours(full power)

Battery Life: About 5.5 hours

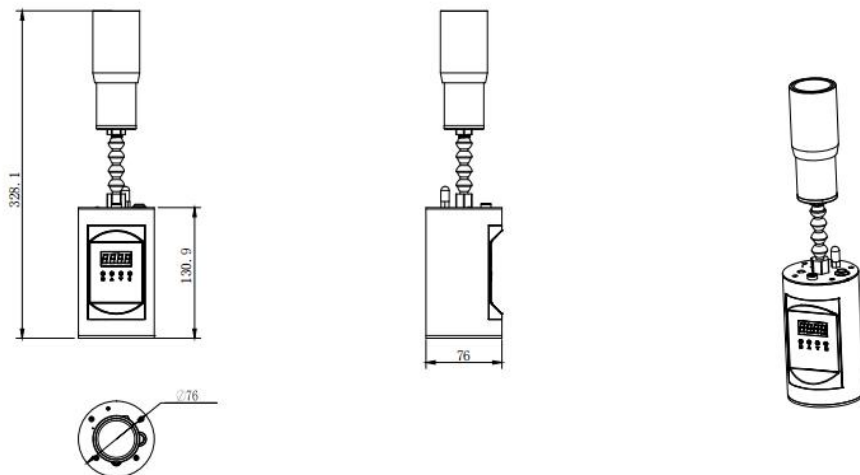
Product dimensions

76×76×328.1mm

Net weight

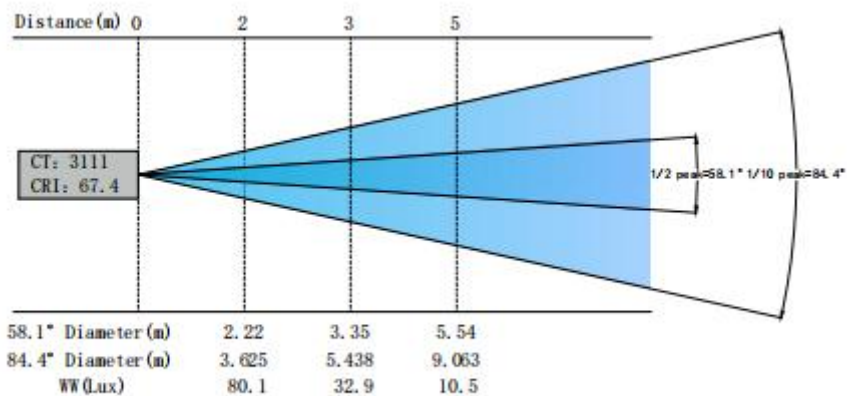
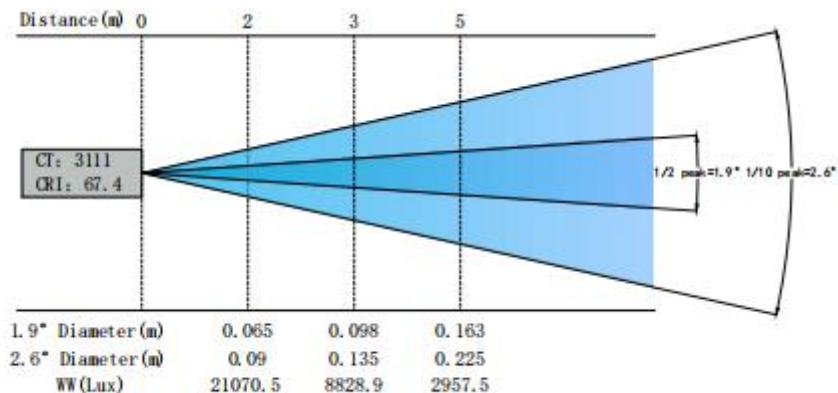
1.1kg

Dimensions:



Light output:

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3. Operation

3.1 Front panel operation:



Enter	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
Return	To go backward to previous level

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> <DOWN> <Return> buttons to navigate the menu options. Press the <ENTER> button to select the menu function currently displayed, or to enable a menu option.

3.2 Board instruction:

No.	Function
Address	A001-512
StAt	U000-U255
	SP00-SP20

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Auto	Auto 1-Auto 4
	SP00-09
bat	b000-b100
reno	on
	Off
2.4G	off
	ch1
	ch2
	ch3
	ch4
	ch5
	ch6
	ch7
ver	3.031
SLA	SLA

4. DMX Protocol

CH	Function	DMX Value	Description
1	Total Dimmer	0-255	Dimmer from dark to brightness
2	Strobe	0-9	null
	Strobe	10-255	strobe from slow to fast

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.



LEAHUA

Guangzhou Leahua Lighting Technology Ltd

Rm 1004, Building A
Baiyun Lake Future Technology Center
No.1 Xinghu Street, Shimen, Baiyun district
Guangzhou 510440, China
