



Stellar Y

LH -ST76

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

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Accessories

Name	Quantity	Remark
User manual	1pc	
Power cable	1pc	
DMX signal cable	1pc	
Safety cord	1pc	Optional

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:AC100-240 V, 50/ 60 Hz

Power Consumption:22W

Light source

Light Source:7×6W RGBW LED; 48×0.12W RGB LED

Life Expectancy:About 20000hours (factory rated)

Beam Angle

Beam Angle: 18.5°

Field Angle:37.3°

Control

Control mode:Digital Display

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

Channel:6/ 10CH

Housing

Housing: Plastic

Protection rate: IP20

Working temperature

Working temperature: -10℃-45℃

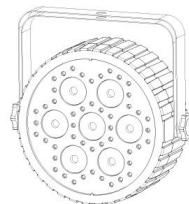
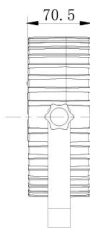
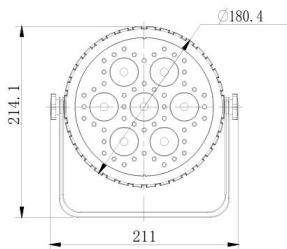
Product dimensions

211x214x71mm

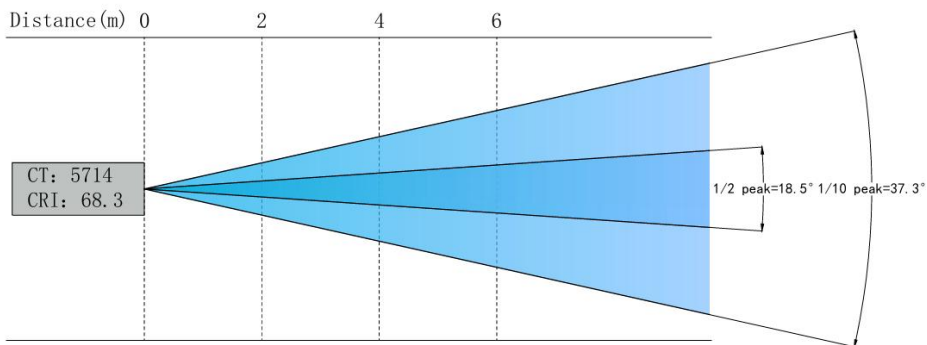
Net weight

0.9kg

Dimensions:



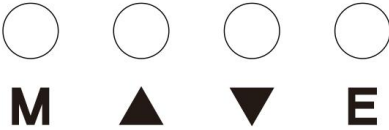
Light output:



Distance (m)	0	2	4	6
18.5° Diameter (m)		0.65	1.3	1.95
37.3° Diameter (m)		1.35	2.7	4.05
RGBW (Lux)		800	185	82
R (Lux)		514	123	64
G (Lux)		790	190	81
B (Lux)		218	55	22
W (Lux)		1456	317	144

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:

Show	Function	Instruction
A001	DMX address(001-512)	DMX-512 address set,10channels

D001	DMX address(001-512)	DMX-512 address set,6 channels
CH6/CH 10	Channel Selection	6/10ch selection.(06-10)
R000	Red(000-255)	Red dimmer,from dark to bright
G000	Green(000-255)	Green dimmer,from dark to bright
B000	Blue(000-255)	Blue dimmer,from dark to bright
U000	White(000-255)	White dimmer,from dark to bright
FH.00	Strobe flash(01-99)	Strobe from slow to fast
CL.01	Different color output(01-08)	color selection
CC.71	Color jump change (01-99)	Color jump,from slow to fast
DE.72	Color gradate(01-99)	Color gradient,from slow to fast
CP.73	Color pulse change(01-99)	Color pulse,from slow to fast
SOU.9	Color sound-active(01-09)	Mode:(1-9) 9for colorful sound,1-8 for sound strobe

3.3 DMX address setting:

Each fixture must be assigned a unique DMX start address within the 001 – 512 range. The start address represents the first channel the fixture occupies. This product provides two DMX modes (6/ 10CH) channels; therefore, the next fixture's start address must be calculated according to the number of channels used in the selected mode to avoid overlapping addresses.

For example, when operating in 4 channel mode, set Fixture 1 to 001, Fixture 2 to 005 Fixture 3 to 009, Fixture 4 to 013, etc.

DMX Mode	Fixture1	Fixture2	Fixture3	Fixture4	...
6CH	001	007	013	019	...
10CH	001	011	021	031	...

4. DMX Protocol

6CH	10CH	Function	Explanation
	1	Dimmer	Dimmer-Dark to bright
1	2	R Dimmer	Dimmer-Dark to bright
2	3	G Dimmer	Dimmer-Dark to bright
3	4	B Dimmer	Dimmer-Dark to bright
4	5	W Dimmer	Dimmer-Dark to bright
	6	Strobe	Strobe
	7	Function Selection	0—50 dimmer 51—100 color selection 101—150 Color jump 151—200 Color gradient 201—250 Color pulse 251—255 sound control
	8	Function Speed	
5	9	Function Selection (Circle Control)	0-3:close 4-10:single color1 11-20:single color2 21-30:single color3 31-40:single color4 41-50:single color5 51-60:single color6 61-80:function 1 81-100:function 2 101-150:function 3 151-200:function 4 201-255:function 5
6	10	Function Speed (Circle Control)	Speed function,from slow to fast

5. Installation

5.1 Power connection

Please checking the power equipment supported.

Please put the plug of power source wire connect with the main power source .

(EU)Wire	Wire(America)	Direction of wire	General marks
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	

5.2 DMX Control Connection

This fixture supports DMX512 (1990) control protocol and is equipped with 3-pin XLR connectors for data input and output. Use a twin-screened DMX cable with conductors of at least 0.5 mm² , ensuring correct wiring for the selected connector type.

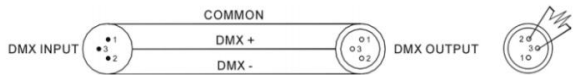
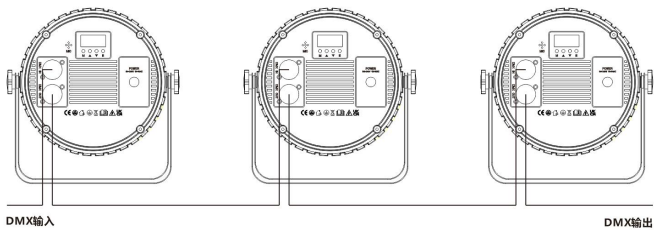
Connect the controller's DMX OUT to the first fixture's DMX IN, then link fixtures DMX OUT → DMX IN in a daisy-chain. For optimal signal integrity, install a **DMX terminator** on the DMX OUT of the final fixture.

Ensure no pin makes contact with the connector housing or other pins.

Before use, test cables with an ohm meter to verify correct polarity and to ensure no pins or shield are shorted to ground, as this may result in data errors or unstable operation.

For convenience, connect fixtures in the physical order they are installed, rather than by DMX address sequence.

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6. Maintenance & Cleaning

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

6.1 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.

6.2 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.

6.3 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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