Contents

1/Technical feature

Technical Feature	FINE 150W FT
Light Source	3W LED light source
Input Voltage	100-240V∼ 50/60Hz
Input Current	2A
Input Power	Max 195W
Power Factor	PF≥0. 95
Initial Luminous Flux	WW 2741lm CW 3626lm Full 6298lm
Safety Protection	Over current, over voltage and overheating
Control Mode	DMX512/Wireless DMX（optional）
Working Temperature	0℃∼40℃
Fixture Dimension	984x139x119mm
Package Dimension	1127x502x533mm
Weight	Net Weight：8.2 kg；Gross Weight：94kg
Package	5pcs／carton
IP Rate	IP20

Note: The light source is a non-user replacement light source.
If it is damaged or thermally deformed, please replace it!

2/ Photometric diagram

WW (lux)	0	459	115	51	29	18	13
CW (lux)	0	608	152	68	38	24	17
FULL (lux)	0	1068	267	119	67	43	30

distance(m)	0	2	4	6	8	10	12
(1/2 peak) diameter(m)	0	Φ2.15	Φ4.29	Φ6.44	Φ8.58	Φ10.73	Φ12.87
(1/10 peak) diameter(m)	0	Φ3.03	Φ6.06	Φ9.10	Φ12.12	Φ15.16	Φ18.19

PAN (1/2 peak 40°)
(1/10 peak 70°)

TILT (1/2 peak 55°)
(1/10 peak 75°)
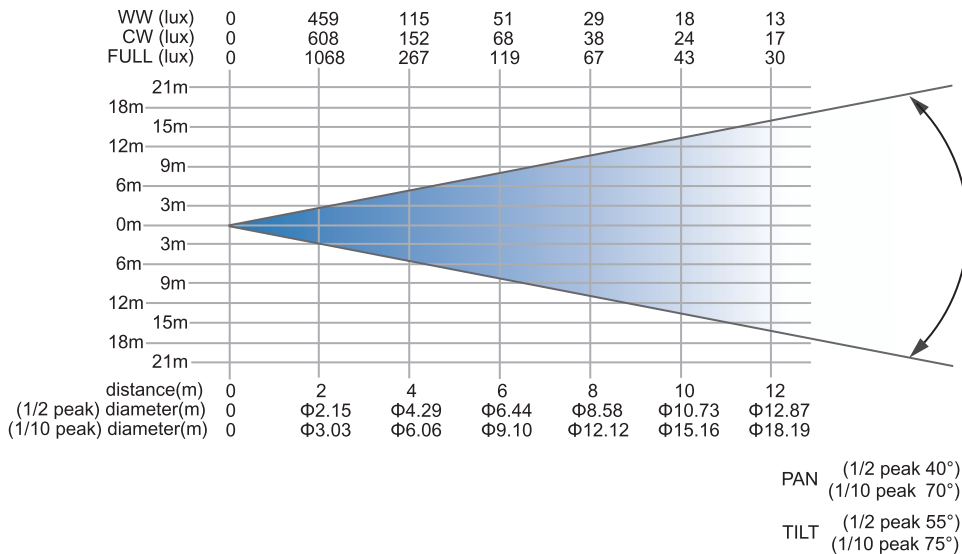
3/ Control channel

SIMP

ID	English	Value	Function
1	Dimmer	0->255	
2	DimmerFine	0->255	
3	ColdWhite	0->255	
4	WarmWhite	0->255	
5	CCT	0->3 None 5 CCT 4500K 6 CCT 5600K 7->9 Reserved 10->255 CCT 6000K -> 2500K	
6	Strobe	0->5 Close 6->10 Open (Dimmer Fade OFF) 11->105 Pulse Strobe,from slow to fast (0~20Hz) 106->110 Open(Dimmer Fade ON) 111->179 Thunder Strobe(0~10Hz) 180->185 Open(Dimmer Fade ON) 186->253 Random Strobe,from slow to fast 254->255 Open(Dimmer Fade ON)	
7	Ctrl	0->255 Reserved	

Stand

| ID	English	Value	Function
1	Top Dimmer	0->255	Top Dimmer
2	Top DimmF	0->255	Top Dimmer Fine
3	Top CW	0->255	Top Cold White
4	Top WW	0->255	Top Warm White
5	Bot Dimmer	0->255	Bottom Dimmer
6	Bot DimmF	0->255	Bottom Dimm Fine
7	Bot CW	0->255	Bottom Cold White
8	Bot WW	0->255	Bottom Warm White
9	CCT	0->3 None 5 CCT 4500K 6 CCT 5600K 7->9 Reserved 10->255 CCT 6000K -> 2500K	
10	Strobe	0->5 Close 6->10 Open (Dimmer Fade OFF) 11->105 Pulse Strobe,from slow to fast (0~20Hz) 106->110 Open(Dimmer Fade ON) 111->179 Thunder Strobe(0~10Hz) 180->185 Open(Dimmer Fade ON) 186->253 Random Strobe,from slow to fast 254->255 Open(Dimmer Fade ON)	
11	Ctrl	0->255 Reserved	

Pixels:

ID	English	Value	Function
1	Dimmer	0->255	Dimmer
2	DimmerFine	0->255	Dimmer Fine
3	Bar1 CW1	0->255	Bar1 ColdWhite1
4	Bar1 WW1	0->255	Bar1 WarmWhite1
5	Bar1 CW2	0->255	Bar1 ColdWhite2
6	Bar1 WW2	0->255	Bar1 WarmWhite2
7	Bar2 CW1	0->255	Bar2 ColdWhite1
8	Bar2 WW1	0->255	Bar2 WarmWhite1
9	Bar2 CW2	0->255	Bar2 ColdWhite2
10	Bar2 WW2	0->255	Bar2 WarmWhite2
11	Bar3 CW1	0->255	Bar3 ColdWhite1
12	Bar3 WW1	0->255	Bar3 WarmWhite1
13	Bar3 CW2	0->255	Bar3 ColdWhite2
14	Bar3 WW2	0->255	Bar3 WarmWhite2
15	Bar4 CW1	0->255	Bar4 ColdWhite1
16	Bar4 WW1	0->255	Bar4 WarmWhite1
17	Bar4 CW2	0->255	Bar4 ColdWhite2
18	Bar4 WW2	0->255	Bar4 WarmWhite2
19	Strobe	0->5 Close 6->10 Open (Dimmer Fade OFF) 11->105 Pulse Strobe,from slow to fast (0~20Hz) 106->110 Open(Dimmer Fade ON) 111->179 Thunder Strobe(0~10Hz) 180->185 Open(Dimmer Fade ON) 186->253 Random Strobe,from slow to fast 254->255 Open(Dimmer Fade ON)	
20	Ctrl	0->255 Reserved	

4/ Operation chart for the display panel function

First Level	Second Level	Third Level	Option/Value	Default	Description
Address	DMX Addr		1->512	1	DMX Address
Option	Ch Mode		Stand 16/SIMP 10/Pixels 20	Stand16	Channel Mode
	PowerMode		Power/Stand/Theater	Stand	It is maximum power and noise when the value is Power; It is 85% power and lower noise when the value is Stand; It is 70% power and lowest noise when the value is Theater;
	DimmCurve		Default/Power2/Power3	Default	
	DimmFreq		1.2K/6K/12K/24K	1.2K	Dimmer freqency
	Master_Mode		Slave/Master	Slave	
	Present		Eff1/Eff2/Eff3/Eff4	Eff1	
Auxiliary	Language		CHS/ENG	CHS	Language
	BKLgtTime		30Sec/60Sec/ON	30Sec	Display Screen Background Lighting time
	Brightness		0-255	255	reserve
	BKWarn		ON/OFF	ON	Display Screen Background Lighting warning
	DispRev		Action	Action	Display Screen Reverse
	Config1		Load/Save	Load	User Config1 Load/Save
	Config2		Load/Save	Load	User Config2 Load/Save
Manual	ChannCtrl		Channel Function Manual Ctrl		Display Screen Reverse
	Reset				Reset
Info	Fixture		F150FT		Device short name
	DispB Ver		V0.XX		Disp Board Version
	DispB Temp		40℃		Disp Board Temperature
	ManuID		05EF		Manufactory ID
	DeviceID		05EFxxxxxx		Device ID
	ErrorInfo				Error Information
	DMX VAL				DMX Value

5 / Control panel

5.1 Control panel introduction

1. Display
2. Menu
3. Enter
4. Up
5. Down
6. DMX in
7. Power in
8. DMX out
9. Power out
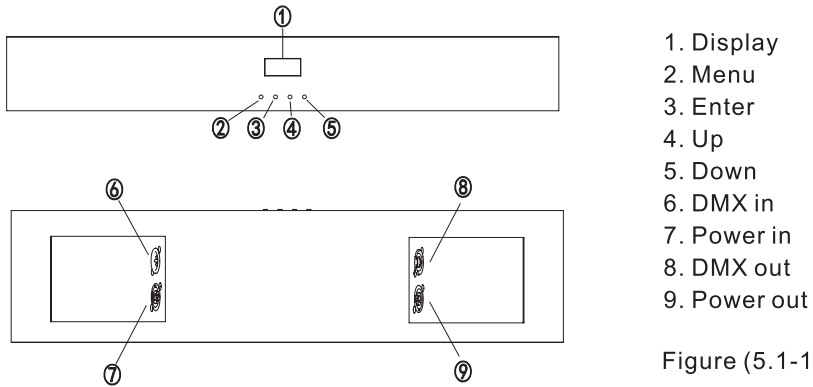
Figure (5.1-1)

Figure(5.1-1)

5. 2 Control panel operational introduction

Main Menu interface

Main Menu	
Addresss Settings	001-XXX
Feature Settings	
Speed Settings	
Channel Settings	
▼	

Note: Enter the main menu interface (the gray area indicates the selected menu), if you are sure to enter this menu, press the menu key, the up/down key can turn the page, and the confirm key can select the required function settings.

6/Routine maintenance

This fixture requires routine cleaning. The service life depends on the operating envir-
onment heavily. Please kindly contact GUANGZHOU CHAIYI LIGHT CO., LTD for
more maintenance information not included in this user's manual.
Notice: Excessive dust, smoke fluid and particulate buildup will degrade performance
and cause over heating or damage to the fixture that is not covered by the warranty.
Warning: Please unplug the fixture before you open any covers.

Cleaning
Optical components should be cleaned carefully and lightly. Coating face is easily
damaged, do not use harmful solvent so as to avoid damage to plastic parts or coating
parts.

Cleaning optical components
1. Switch off the fixture and keep it cool completely, then open the cover.
2. Clean the floats by dust collector or compressed.
3. Use cotton paper without smell or cotton cloth soaked with the water, distilled water
   to wipe the granular thing, don't wipe the surface, float things should be blown away
   by the pressure gas.
4. Use the cotton cloth or cotton paper without smell soaked with isopropyl alcohol to
   remove the smoke and other residues. A commercial glass cleaner may be used,
   but residues must be removed with distilled water. Clean with a slow circular motion
   from center to edge. Dry with a clean, soft and lint-free cloth or compressed air.

Cleaning fan and air vents
Remove dust from the fans and air vents with a soft brush, cotton paper, vacuum, or
compressed air.

7/Safety information

The following symbols are used to identify important safety information on the product and in this manual.

DANGER!
Safety hazard. Risk of severe injury or death.

DANGER!
Refer to manual before installing, powering or servicing.

DANGER!
Hazardous voltage. Risk of severe or lethal electric shock.

Warning!
Fire hazard.

Warning!
Burn hazard. Hot surface. Do not touch.

Warning!
Risk of eye injury. Safety glasses must be worn.

Warning!
Do not stare at the bulb which is still on.

Warning!
Risk of hand injury. Safety gloves must be worn.

Replace any cracked protective shield.

Minimum distance from lighted objects is 0.5m.

For indoor use only.

Do not direct lens to sun ray or strong light!

Do not actuate during operating.

Luminaries not suitable for direct mounting on normally flammable surfaces (suitable only for mounting on non-combusible surfaces)

t_C ••• °C
The surface's temperature is 70℃.

t_a ••• °C
Rated maximum ambient temperature is 40℃.

Protection against explosion

Protection screen must be replaced if they have become visible damaged to such an extent that their effectiveness is impaired.

Do not actuate during operation.
Do not operate the luminaire with a missing or damaged shield.
Do not touch the lamp at any time. Use a soft cloth. Oil from skin may damage lamp.

8/Product connection

8.1 Included items

FINE 150W FT is packed with flight case. One single standard flight case carries five fixtures, Included items listed below (shown as table 8.1-1):

Accessories	QTY	UNIT
User manual	1	PCS
Warranty card	1	PCS
Suspension fasteners	2	SET
Signal cable	1	PCS
Safety wire	1	PCS

Table(8.1-1)

8.2 Power connection

Notice: Type Y attachment for power supply connection. Method of attachment of the cable or cord such that any replacement can only be made by the manufacturer, his service agent or similarly qualified person.
The person must have the relevant qualification to connect the power supply.
The AC power voltage shall be suitable to the lamp provided with over-loading or creepage protection.

Connecting the equipment to the power supply, do not connect to silicon box system, or else, it will destroy the equipment.
1.The fixture is provided with standard 3-pin socket. Please according to table (8.2-1) connect to power supply, Yellow/green line must be earthed.

Color	Wire	Mark
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⏚

Table(8.2-1)

2. At a voltage of 220V, up to 14 lamps can be connected in series, when at a voltage of 110V, up to 7 lamps can be connected in series. If you still have any question to the installation, please consultant with the experienced electrician.
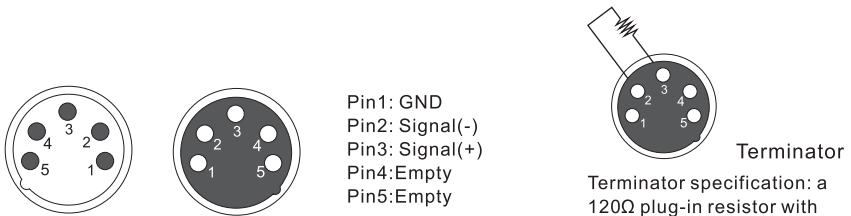
8. 3 Signal connection

Data linkage for the fixture may be provided by DMX512 connection and wireless linkage.

■ DMX connection

Note: The signal cable was type X connection.

Type X connection—if the external flexible cable or cord of this fixture is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or his service agent.

3-pin or 5pin XLR connecters are provided for fixture DMX input and output. Pin 1 is for earthing, pin 2 is for minus signals, and pin 3 is for plus signals.

Pin1: GND
Pin2: Signal(-)
Pin3: Signal(+)
Pin4:Empty
Pin5:Empty

Terminator

Terminator specification: a 120Ω plug-in resistor with rated power of 0.25W, soldered between pin 2 and pin 3 at the end of respective data link.

5-pin XLR connector

Fig.(8.3-1)

Connect the fixtures with Max.25 pieces. Make sure to insert the "signal in" terminal in the last connecting fixture. shown in Fig.(8.3-2).

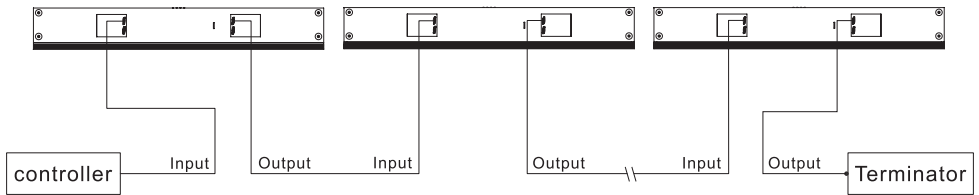| controller | Input | Output | Input | Output | Input | Output | Terminator |

Fig.(8.3-2)

If long-distance data transfer occurs, a DMX512 signal amplifier is necessary. The added amplifier is inserted between the lighting controller and the first fixture on the basis of a normal data link.

⚠ Notice!

1. No more than one signal input or output can occur in one fixture.
2. Don't split a data link via output ports on the fixture, use a DMX512 signal amplifier instead, if necessary.
3. Use only shielded-pair cables, and standard microphone cable is not reliable for long-distance data transfer.

■ Wireless transmission (optional)

1. Customer might choose wireless edition fixture which supports wireless data transmission. Wireless signal control is pretty reliable within a 225m radius empty space, thus no need for physical connection for data transmission. All has to be done is to set up corresponding addresses.
2. 2.4GHz worldwide free frequency band available in wireless control. Such huge frequency band favors users with variable band options.
   (a) Wireless receiving mode setup:
       "Personality"→"Receive Mode"→"WDMX"
   (b) Press emitter button to search preset address within a fixture. When it's done, remotely control a fixture through a controller, Shown as Fig.(8.3-3).

Notice:
1. Emitter location: Distribute the antenna higher than any barrier on floor as possible.
2. Antenna direction: Emitting antenna points to receiving antenna.
3. Antenna position: Keep away from EMI source as possible, such as WLAN antenna.

Controlled
Fixture

Wireless
receiver

Console
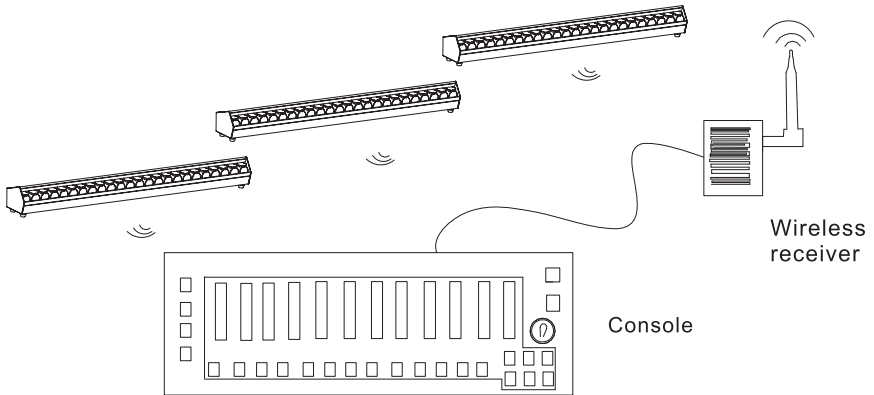
figure(8. 3-3)

9/ Parts Code

Number	Item	Specification	Ordering index
1	LED light board	—	330712100213
2	Drive board	—	330712100199
3	Acrylic board	—	350601000170
4	Reflector cup	—	200710000038
5	Switch power	—	330001200044
6	Display board	—	330712100200
7	Female socket（blue）	—	300502000019
8	Female socket（white）	—	300502000020
9	DMX(male plug）	—	330712100197
10	DMX(male plug）	—	330712100198

Attached 1: Fixture exploded drawing
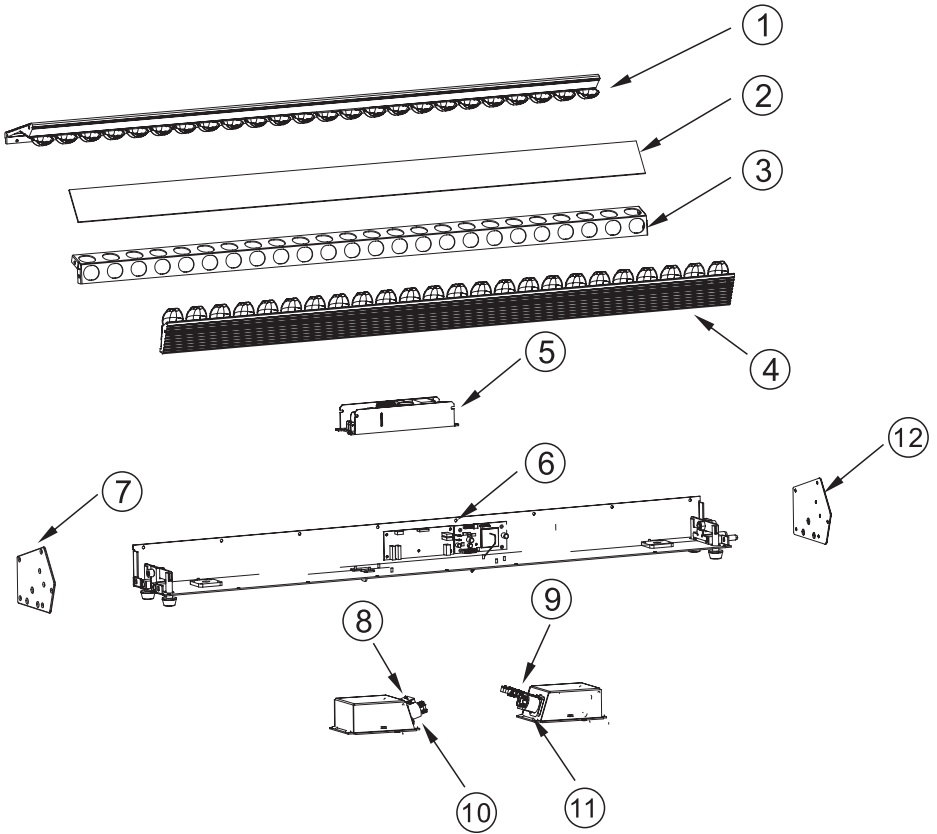
1. LED drive board module
2. Transparent acrylic board
3. Baffled plate
4. LED board module

5. Mains switch
6. Display board
7. Side plate 1
8. DMX out

9. DMX in
10. Power out
11. Power in
12. Side plate 2