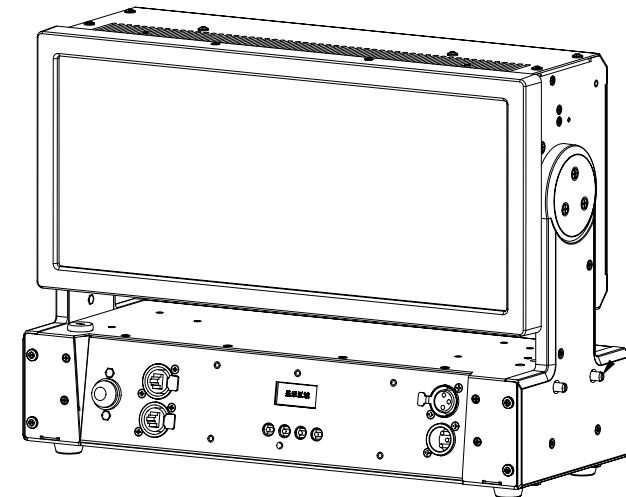




FINE 1200C STROBE **USER MANUAL**



FINE ART

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GUANGZHOU CHAIYI LIGHT CO.,LTD.

★Read the user manual before installing or operating this product.★

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Attached 3: FINE 1200C STROBE LED wiring diagram	

Declaration

This product has passed the final check for both functionalities and package when delivered from the factory. All users should observe the instructions and pay attentions to the warnings covered by this manual. Unreasonable damages resulting from unintended operations or not heeding instructions covered by this manual will void the warranty. Specifications in this manual intend for reference only, the fixture delivered takes the priority. Any future modification pertaining to content of this manual, there will be no particular notifications. FINE ART reserves all .

To obtain the latest information about software update, hardware and other files, please visit FINE ART online website.

1. Safety information

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



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



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



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



Warning!
Fire hazard.



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



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



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



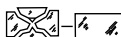
For indoor use only



Do not direct lens to sun ray or strong light!



Do not actuate during operation



Replace any cracked protective shield



Minimum distance from lighted objects (metres)



Rated maximum ambient temperature



WARNING!

Read the safety precautions in this section before installing, powering, operating or servicing this product.

After receiving the fixture, please unpack and check if there is any damage due to transportation. If any obvious damage or flaw is found, do not put it into use and contact the distributor or manufacturer as soon as possible.



This fixture is intended for professional use only. When operating the fixture, attentions should be drawn to fire/electric-shock hazards and lethal injuries caused by fall.



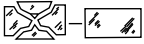
Read this User Manual before mounting and energizing the fixture. Observe the safety guideline and notice the warnings both in this User Manual and on the fixture. Yet any safety concerns not covered hereby, contact the distributor or service hot-line.



$t_a = 40^\circ\text{C}$

Protection against over heat
FINE 1200C STROBE LED is suitable for indoor environment; its protection rating is IP20.
The fixture should be kept dry and avoid working in presence of moisture, over-heat or heavy smokes.

The natural working temperature should be lower than 40 degrees. If the ambient temperature exceeds 40 degrees, please stop operating the unit immediately.



Protection against explosion

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



Protection against injury due to falls

To inspect that the structure and the truss hooks are in good condition and can bear about 10 times the weight of the fixture.

Ensure the cover and all riggings are securely fastened, safety wire is necessary to use as a secondary attachment.

Block access below the working area and work from a stable platform while installing, servicing or moving the fixture.



Protection against electrical shock

All connections or maintenances must be performed by a qualified person with technical certificate.

Make sure that the mains power supply you use is up to local construction and electronic code regulation, the over-load protection reliable earthing is essential.



Each fixture must be grounded correctly, and be installed according to related regulation.

Disconnect the fixture from mains supply before replacing any fuse. Avoid using the fixture in damp environment.



Protection against burning or fire

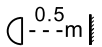
Do not attempt to bypass the thermostat switch or fuse.

Replace defective fuses with specified ratings only.

Keep flammable materials far away from the fixture. Minimum distance from the flammable materials is 0.5m.



Under the steady working state, the max temperature of exterior surface of FINE 1200C STROBE LED is 60°C , Please don't touch the moving head during movement.



The minimum distance between the fixture and the lighted objects is 0.5m.

Ensure a minimum clearance of 0.1m around the cooling fans and ventilations

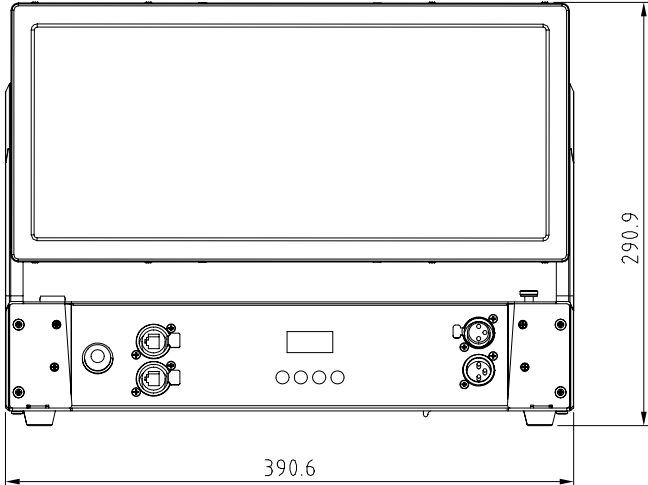
Do not place any filter or other object onto the optical lens.

Do not revise the fixture or install any parts not from GUANGZHOU CHAIYI LIGHT CO.,LTD.

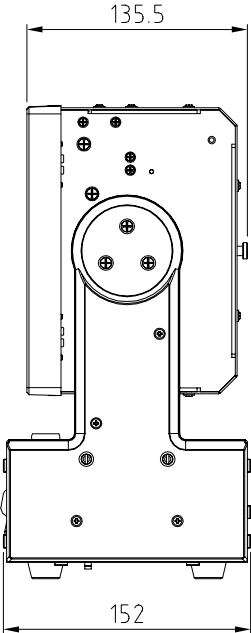
2.Product introduction

2.1 Fixture profile dimension

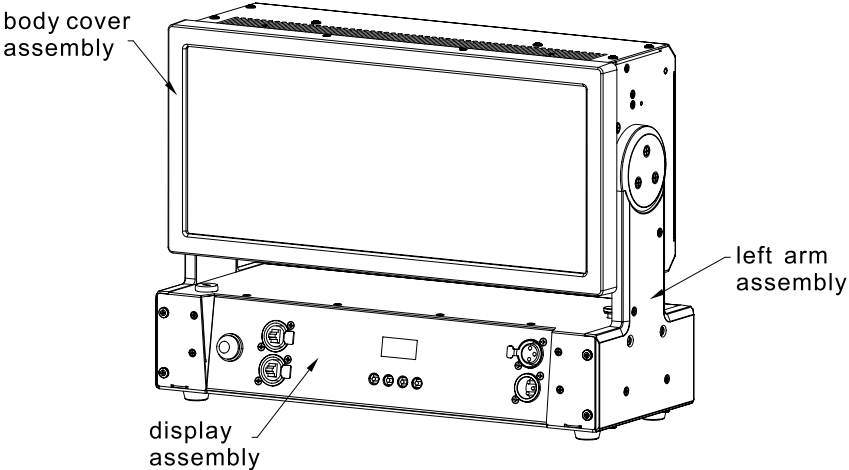
- Front view



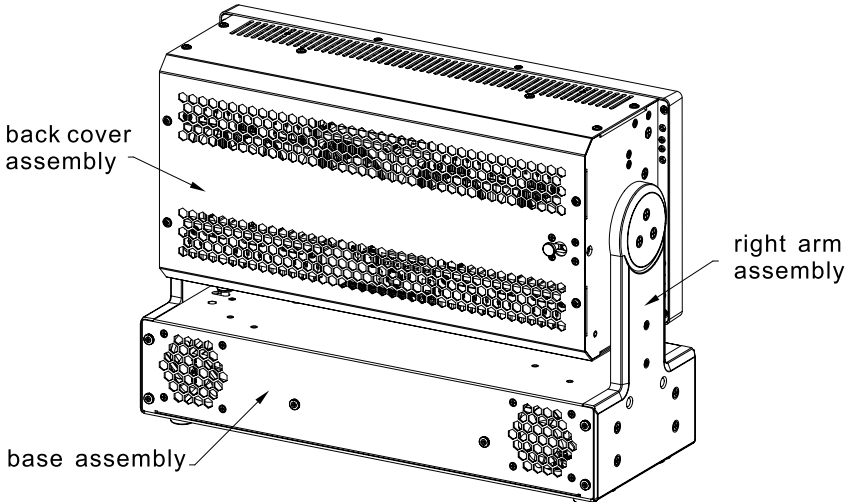
- Side view



2.2 Fixture introduction

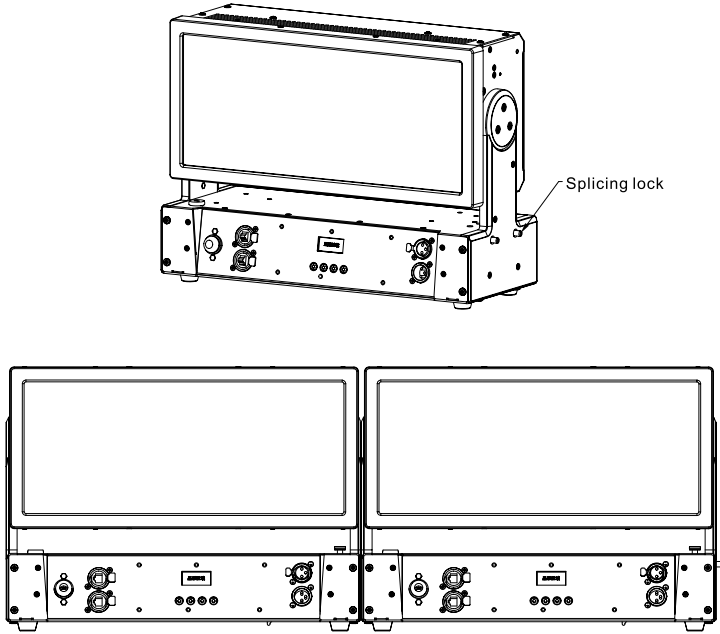


(2. 2-1) Front view



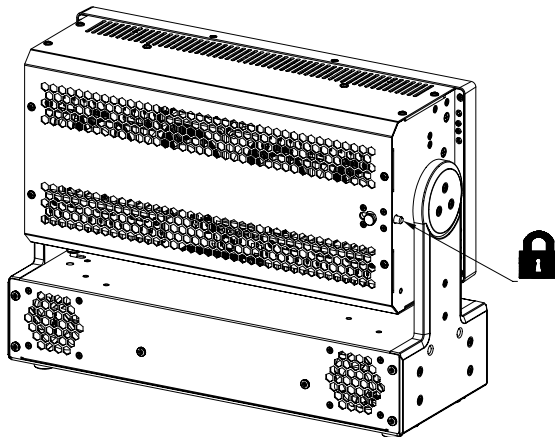
(2. 2-2)back view

The two fixtures can be connected together by pressing the movable push-board component on the base, shown as Fig 2.2-3:



(2. 2-3)

Tilt-axis is equipped with a protective lock for the convenience of transportation, shown as Fig 2.2-4:



(2. 2-4)

3. Package & delivery

FINE 1200C STROBE LED is packed with flight case. One single standard flight case carries four fixtures. Included items listed below.

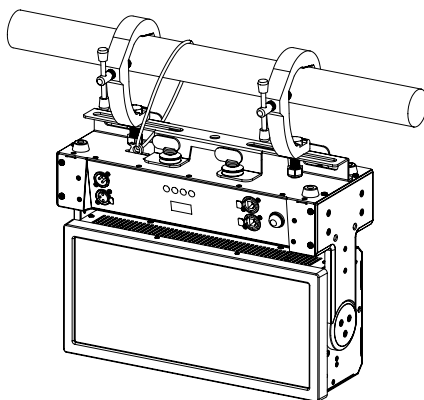
Accessories	QTY	UNIT
clamp module	2	PCS
fuse	2	PCS
safety rope	1	PCS
signal wire	1	PCS
User manual	1	PCS
Warranty card	1	PCS

4. Installation

User must be termly check the fixture and its install materials, if you are non-qualified to check that, please contact the professional person. Wrong installation will result in fatal hazard.

The fixture working ambient temperature are between -10°C - 40°C , When ambient temperature over the range, don't operate the fixture. When the fixture are in installation, teardown, remove or servicing, don't stand under the fixture. Operator must be insure the fixture are safely connected. The input power supply must match the specific type demanded by the fixture. Make sure the installation check annually by professional person. The fixture of light source shall be replaced by the manufacturer or service agent or someone with similar qualifications.

Hang on the truss with clamps, please add one safety rope after the fixture is hung on the truss



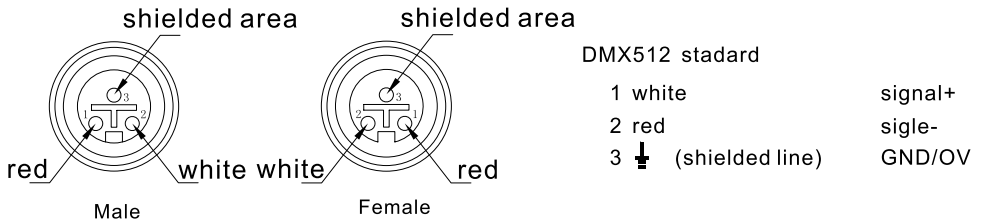
5. Data link

Note: The signal cable is 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.

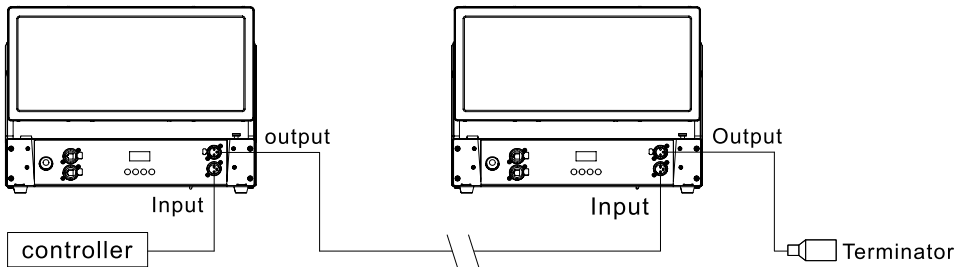
3-pin XLR or 5-pin XLR connectors are provided for fixture DMX input and output. Pin 1 is for minus signals, pin 2 is for plus signals, and pin 3 is for earthing.

To prevent and absorb the reflection and interference of the signals, each data link must be ended by a respective terminator.



Connect the 3-pin or 5-pin output of a lighting controller to the 3-pin or 5-pin input of a first fixture on the link, then connect the 3-pin or 5-pin output of the said first fixture to the 3-pin or 5-pin input of a second fixture. Similarly, repeat the above connection step and end the data link with a plug-in terminator. Shown as Fig. 5.1-1 below.

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.

RJ45 Connection

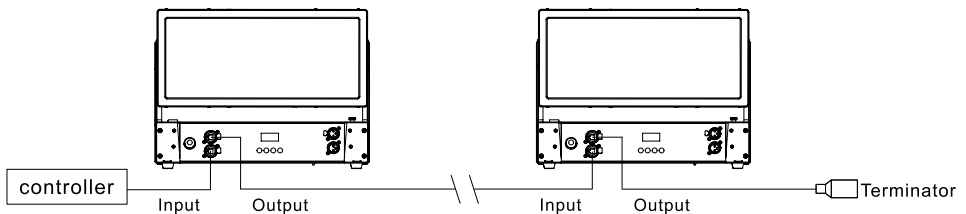
Note : The signal cable is type RJ45 connection

RJ45 connector is provided for fixture RJ45 input and output. The RJ45 socket uses a standard 568A network cable connection. That supports 10M/100M/1000M data connection. The built-in switch can adapt to speed.



Connect the RJ45 connector of a lighting controller to the RJ45 connector of a first fixture on the link, then connect the RJ45 connector of the first fixture to the second fixture . Similarly, repeat the above connection steps and end the data link with a plug-in terminator. Shown as Fig.5.1-1 below.

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



(5.1-1)

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 network switch instead, if necessary.
3. Please use the CAT5/CAT6 network cable. The length of the network cable should not exceed 100m.

6. 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 fixture provided with over-loading or creepage protection.

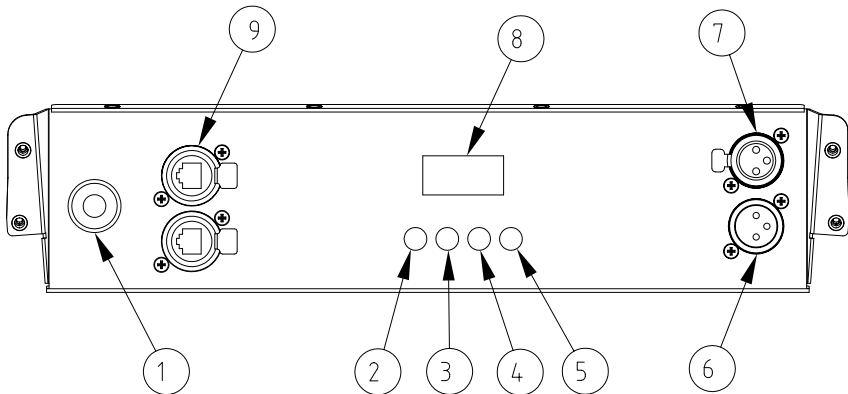
Connecting the equipment to the power supply, do not connect to silicon box system, or else, it will destroy the equipment. The fixture is provided with standard 3-pin socket. Please according to table 6.1-1 connect to power supply, Yellow/green line must be earthed. If you still have any question to the installation, please consult with the experienced electrician.

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

table 6.1-1

7. Control Panel

7.1 Control Panel Introduction



(7.1-1)

- 1. Power in
- 4. Up
- 7. Dmx out

- 2. Menu
- 5. Down
- 8. Display

- 3. Enter
- 6. DMX in
- 9. Ethernet input/output

7.2 Display panel operational function detail

FirstLevel	SecondLevel	ThirdLevel	Option/Value	Default	Description	
Address	DMX Addr		1-512	1	DMX Address	
	Ch Mode		Stand 23/RGB 138/SIMP 16/RGB8+130	Stand 23	Channel Mode	
	RecvMode		Auto/DMX/ArtNet	Auto	1. Auto: The device selects signal source automatically; 2. DMX: The device only receive DMX Signal; 3. ArtNet: The device only receive ArtNet Signal;	
	Net Setting	Net2Dmx		OFF/ON	OFF	ON: The device only receive ArtNet Signal which convert to the DMX signal.
		Net		0-127	0	ArtNet4 Net
		Sub-Net		0-15	0	ArtNet4 Sub-Net
		Universe		0-15	0	ArtNet4 Universe
		ArtNetAddr		1-512	1	ArtNet Address
		IPAddrA		0-255	2	IPAddress A
		IPAddrB		0-255	168	IPAddress B
		IPAddrC		0-255	0	IPAddress C
		IPAddrD		0-255	2	IPAddress D
		MaskA		0-255	255	MaskA
	MaskB		0-255	0	MaskB	
MaskC		0-255	0	MaskC		
MaskD		0-255	0	MaskD		
Option	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;	
	SpdLevel		High/Mid/Low	High	Speed Level. The function TBD.	
	SmoothLev		Lev0/Lev1/Lev2	Lev0	SmoothLevel. The function TBD.	
	PosFeedback		ON/OFF	ON	Position Feedback	
	DimmCurve		Default/Power2/Power3	Default		
	DimmFreq		1.2K/6K/12K	1.2K	Dimmer frequency	
	TiltReverse		OFF/ON	OFF	Tilt Reverse	
	PixelReverse		OFF/ON	OFF	LED Pixel Reverse	
Advance	CheckCode	Code1	0-255			
		Code2	0-255			
		Code3	0-255			
		Code4	0-255			
	OffsetAdj		To Adjust motor calibration			
	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			
	Reset				Reset	
Info	Fixture				Device short name	
	DispB Ver		Version of display board			
	DispB Temp		Temperation of display board			
	MainB Ver		Version of main board			
	MainB Temp		Temperation of main board			
	ManuID		05EF		Manufactory ID	
	DeviceID		05EFxxxxx		Device ID	
	ErrorInfo		Error Information			
	DMX VAL		DMX Channel Values			

Shortcut:

1. When the lighting is off, pressing the menu button a 2-3S to activate the battery.
2. Pressing the menu button and down button together to reverse the screen display.
3. At the main interface, press the up button to enter the address setting, and press the down button to enter the manual control.
4. Screen flashing indicates no signal input or error. This function can be closed in backlight warning.

8. Technical Feature

■ OPTICAL SYSTEM

White Light Source: 10W x 180 pcs LEDs, 6500k

Color Light Source: 0.2W x 1000 pcs LEDs, RGB three in one

Light source life \geq 50000 hours

The initial luminous flux and efficiency: 58898 lm, 61.28 lm/W

■ EFFECT EQUIPMENT

The flash part in the middle of fixture head is divided into 10 sections, each section can be controlled independently, while running water flash beam effect can be achieved. And the two sides are both backlight parts which is divided into 40 sections, each section can be controlled independently, and can be used as a pixel embellishment effect.

All optical domain dimming, 65536 grades dimming accuracy, high light output.

Fast strobe 1-25 Hz

Color macro and color gradual change effects

94 kinds of color and 21 kinds of white built-in effects

■ MOVEMENT PARAMETER

Tilt 182°, Precision 0.94°/Step, Precision Fine=0.0037°

■ CONTROL AND PROGRAMMING

Control Channel: Stand 23/RGB 138/SIMP 16/RGB8+130

Protocol: Standard DMX512, ArtNet, sACN

DMX Signal Connection: 3-pin/5-pin XLR input/output for option, RJ45 input/output(built in switch)

Menu display: 1.3 inches OLED display, resolution ratio: 128 x 64;

Chinese and English languages can be switched freely; menu available to display 180° reversely;

Key operation

■ ELECTRONIC CONTROL TECHNOLOGY

Fixture reset by menu or console controlling

0-100% dimmer

Setting of dimming curve

Constant current drive mode

Temperature sensor detection, intelligent adjustment for light source power
DMX channel level monitoring
Fixture information query
Intelligent fan adjustment
RDM data bidirectional transmission
Built in charging LiMH battery, then the menu can be edited without power

■ELECTRIC

100-240V~ 50/60Hz

Input Power: 1250W

PF \geq 0.98

■WORKING TEMPERATURE

Temperature: -10°C~40°C

Humidity: 5%-95%

■DIMENSION AND WEIGHT

Fixture Dimension:

391mm ×152mm×291mm

Package Dimension:

1100mm ×600mm×495mm (flight case)

450mm×280mm×500mm (carton)

Net Weight: 11 kg

Gross Weight: 21kg

■PACKAGE

4pcs /flight case

1pc /carton

■INSTALLMENT

Direction: any

Hanging: standard handing

Safety: safety rope

■IP RATE

IP20

9. Control Channel

Standard mode

FINE1200C Strobe Stand 23 Mode			
ID	Specific	Value	Function
1	Tilt	0->255	Tilt
2	Tilt Fine	0->255	Tilt Fine
3	Dimmer	0->255	Dimmer
4	Dimmer Fine	0->255	Dimmer Fine
5	White	0->255	White
6	White 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 开(Dimmer Fade ON)	White Strobe
7	WhiteShapeSel	0->7 None 8->9 WhiteEff1 10->11 WhiteEff2 12->13 WhiteEff3 14->15 WhiteEff4 16->17 WhiteEff5 18->19 WhiteEff6 20->21 WhiteEff7 22->23 WhiteEff8 24->25 WhiteEff9 26->27 WhiteEff10 28->29 WhiteEff11 30->31 WhiteEff12 32->33 WhiteEff13 34->35 WhiteEff14 36->37 WhiteEff15 38->39 WhiteEff16 40->41 WhiteEff17 42->43 WhiteEff18 44->45 WhiteEff19 46->47 WhiteEff20 48->49 WhiteEff21 50->255 All White Shape Show	White Shape Effect Select
8	WhiteShapeOffset	0->15 Shape Forward Moving 16->31 Shape Backward Moving 32->47 Shape Bounce Moving 48->159 Reserve 160->255 static sub Shape (This Function will be effective when it has many sub Shape)	White Shape offset
9	WhiteShapeSpd	0->7 Static Shape 8->255 Shape Speed, From slow to fast(3s->0s).	White Shape Speed
10	WhiteShapeTrans	0->3 Fade In Fade Out 4->7 Fade In 8->11 Fade Out 12->15 None 16-255 Shadow(0s->8s)	White Shape transition
11	Color 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 开(Dimmer Fade ON)	Color Strobe
12	Red	0->255	Red
13	Green	0->255	Green
14	Blue	0->255	Blue

15	Reserve	0→255	To be reserved
16	ColorMacro	0→2 Closed 3→9 seven kinds of rainbow effect 10→255 Color change	Color macro
17	ColorShapeSel	0→7 No function 8→9 Color effect1 10→11 Color effect2 12→13 Color effect3 14→15 Color effect4 16→17 Color effect5 18→19 Color effect6 20→21 Color effect7 22→23 Color effect8 24→25 Color effect9 26→27 Color effect10 28→29 Color effect11 30→31 Color effect12 32→33 Color effect13 34→35 Color effect14 36→37 Color effect15 38→39 Color effect16 40→41 Color effect17 42→43 Color effect18 44→45 Color effect19 46→47 Color effect20 48→49 Color effect21 50→51 Color effect22 52→53 Color effect23 54→55 Color effect24 56→57 Color effect25 58→59 Color effect26 60→61 Color effect27 62→63 Color effect28 64→65 Color effect29 66→67 Color effect30 68→69 Color effect31 70→71 Color effect32 72→73 Color effect33 74→75 Color effect34 76→77 Color effect35 78→79 Color effect36 80→81 Color effect37 82→83 Color effect38 84→85 Color effect39 86→87 Color effect40 88→89 Color effect41 90→91 Color effect42 92→93 Color effect43 94→95 Color effect44 96→97 Color effect45 98→99 Color effect46 100→101 Color effect47 102→103 Color effect48 104→105 Color effect49 106→107 Color effect50 108→109 Color effect51 110→111 Color effect52 112→113 Color effect53 114→115 Color effect54 116→117 Color effect55 118→119 Color effect56 120→121 Color effect57 122→123 Color effect58 124→125 Color effect59 126→127 Color effect60 128→129 Color effect61 130→131 Color effect62 132→133 Color effect63 134→135 Color effect64 136→137 Color effect65 138→139 Color effect66 140→141 Color effect67 142→143 Color effect68 144→145 Color effect69 146→147 Color effect70 148→149 Color effect71 150→151 Color effect72 152→153 Color effect73 154→155 Color effect74 156→157 Color effect75 158→159 Color effect76 160→161 Color effect77 162→163 Color effect78 164→165 Color effect79 166→167 Color effect80 168→169 Color effect81 170→171 Color effect82 172→173 Color effect83 174→175 Color effect84 176→177 Color effect85 178→179 Color effect86 180→181 Color effect87 182→183 Color effect88 184→185 Color effect89 186→187 Color effect90 188→189 Color effect91 190→191 Color effect92 192→193 Color effect93 194→195 Color effect94 196→197 Color effect95 198→199 Color effect96 200→215 Cycling from color effect1 to color effect96 216→235 Random color point(From one to twenty *) 236→255 Random single color point(From one to twenty *) (* means that each random point corresponds one DMX signal.)	Color shape selection

18	ColorShapeOffset	0->15 Shape Forward Moving 16->31 Shape Backward Moving 32->47 Shape Bounce Moving 48->159 Reserve 160->255 static sub Shape (This Function will be effective when it has many sub Shape)	Color Shape Offset
19	ColorShapeSpeed	0->7 Static 8->255 Speed Slow To Fast(3s->0s)	Color Shape Speed
20	ColorShapeTrans	0->3 Fade In Fade Out 4->7 Fade In 8->11 Fade Out 12->15 None 16-255 Shadow(0s->8s)	Color Shape transition
21	ColorBkgDimmer	0->255	Background Dimmer
22	ColorBkgMacro	0->9 CLOSED 10->255 Background Color Tuning	Background Color Macro
23	Ctrl	0->3 None 4->7 LED Pixel Reverse OFF 8->11 LED Pixel Reverse ON 12->243 Reserve 244->247 LED Board Reset 248->251 Tilt Reset 252->255 All Reset (the function will be active when you change value and keep this for more than 5 second.)	Control

RGB mode

FINE 1200C Strobe DMX Channel-RGB Mode			
Channel	Specific	Value	Function
1	Tilt	0->255	Tilt coarse
2	Tilt Fine	0->255	Tilt fine
3	Dimmer	0->255	White dimmer
4	Dimmer Fine	0->255	White dimmer fine
5	White Strobe	0->5 Closed 6->10 On (Dimmer transition closed) 11->105 Standard strobe (0~20Hz) 106->110 On 111->179 Thunder (Pulse) strobe(0~10Hz) 180->185 On 186->253 Random strobe on (From slow to fast) 254->255 On(Dimmer transition on)	White strobe
6	Color Strobe	0->5 On 6->10 On(Dimmer transition closed) 11->105 Standard strobe (0~20Hz) 106->110 On 111->179 Thunder (Pulse) strobe(0~10Hz) 180->185 On 186->253 Random strobe on (From slow to fast) 254->255 On(Dimmer transition on)	Color strobe
7	Ctrl	0->3 No function 4->7 LED shape reserve off 8->11 LED shape reserve on 12->243 To be reversed 244->247 LED driver reset 248->251 Tilt reset 252->255 All function reset	Function control

		(Maintaining more than 3 seconds for all function taking effect after changing DMX signal.All function need to make zero before resetting twice.)	
8	Reserve	To be reserved	The function is reserved
9	White P1	0->255	White point dimmer
10	White P2	0->255	White point dimmer
11	White P3	0->255	White point dimmer
12	White P4	0->255	White point dimmer
13	White P5	0->255	White point dimmer
14	White P6	0->255	White point dimmer
15	White P7	0->255	White point dimmer
16	White P8	0->255	White point dimmer
17	White P9	0->255	White point dimmer
18	White P10	0->255	White point dimmer
19	ColorP1Red	0->255	Colors point dimmer
20	ColorP1Green	0->255	Colors point dimmer
21	ColorP1Blue	0->255	Colors point dimmer
22	ColorP2Red	0->255	Colors point dimmer
23	ColorP2Green	0->255	Colors point dimmer
24	ColorP2Blue	0->255	Colors point dimmer
25	ColorP3Red	0->255	Colors point dimmer
26	ColorP3Green	0->255	Colors point dimmer
27	ColorP3Blue	0->255	Colors point dimmer
28	ColorP4Red	0->255	Colors point dimmer
29	ColorP4Green	0->255	Colors point dimmer
30	ColorP4Blue	0->255	Colors point dimmer
31	ColorP5Red	0->255	Colors point dimmer
32	ColorP5Green	0->255	Colors point dimmer
33	ColorP5Blue	0->255	Colors point dimmer
34	ColorP6Red	0->255	Colors point dimmer
35	ColorP6Green	0->255	Colors point dimmer
36	ColorP6Blue	0->255	Colors point dimmer
37	ColorP7Red	0->255	Colors point dimmer
38	ColorP7Green	0->255	Colors point dimmer
39	ColorP7Blue	0->255	Colors point dimmer
40	ColorP8Red	0->255	Colors point dimmer
41	ColorP8Green	0->255	Colors point dimmer
42	ColorP8Blue	0->255	Colors point dimmer
43	ColorP9Red	0->255	Colors point dimmer
44	ColorP9Green	0->255	Colors point dimmer
45	ColorP9Blue	0->255	Colors point dimmer
46	ColorP10Red	0->255	Colors point dimmer
47	ColorP10Green	0->255	Colors point dimmer
48	ColorP10Blue	0->255	Colors point dimmer
49	ColorP11Red	0->255	Colors point dimmer
50	ColorP11Green	0->255	Colors point dimmer
51	ColorP11Blue	0->255	Colors point dimmer
52	ColorP12Red	0->255	Colors point dimmer
53	ColorP12Green	0->255	Colors point dimmer
54	ColorP12Blue	0->255	Colors point dimmer
55	ColorP13Red	0->255	Colors point dimmer
56	ColorP13Green	0->255	Colors point dimmer
57	ColorP13Blue	0->255	Colors point dimmer
58	ColorP14Red	0->255	Colors point dimmer
59	ColorP14Green	0->255	Colors point dimmer
60	ColorP14Blue	0->255	Colors point dimmer
61	ColorP15Red	0->255	Colors point dimmer
62	ColorP15Green	0->255	Colors point dimmer
63	ColorP15Blue	0->255	Colors point dimmer
64	ColorP16Red	0->255	Colors point dimmer
65	ColorP16Green	0->255	Colors point dimmer
66	ColorP16Blue	0->255	Colors point dimmer

67	ColorP17Red	0->255	Colors point dimmer
68	ColorP17Green	0->255	Colors point dimmer
69	ColorP17Blue	0->255	Colors point dimmer
70	ColorP18Red	0->255	Colors point dimmer
71	ColorP18Green	0->255	Colors point dimmer
72	ColorP18Blue	0->255	Colors point dimmer
73	ColorP19Red	0->255	Colors point dimmer
74	ColorP19Green	0->255	Colors point dimmer
75	ColorP19Blue	0->255	Colors point dimmer
76	ColorP20Red	0->255	Colors point dimmer
77	ColorP20Green	0->255	Colors point dimmer
78	ColorP20Blue	0->255	Colors point dimmer
79	ColorP21Red	0->255	Colors point dimmer
80	ColorP21Green	0->255	Colors point dimmer
81	ColorP21Blue	0->255	Colors point dimmer
82	ColorP22Red	0->255	Colors point dimmer
83	ColorP22Green	0->255	Colors point dimmer
84	ColorP22Blue	0->255	Colors point dimmer
85	ColorP23Red	0->255	Colors point dimmer
86	ColorP23Green	0->255	Colors point dimmer
87	ColorP23Blue	0->255	Colors point dimmer
88	ColorP24Red	0->255	Colors point dimmer
89	ColorP24Green	0->255	Colors point dimmer
90	ColorP24Blue	0->255	Colors point dimmer
91	ColorP25Red	0->255	Colors point dimmer
92	ColorP25Green	0->255	Colors point dimmer
93	ColorP25Blue	0->255	Colors point dimmer
94	ColorP26Red	0->255	Colors point dimmer
95	ColorP26Green	0->255	Colors point dimmer
96	ColorP26Blue	0->255	Colors point dimmer
97	ColorP27Red	0->255	Colors point dimmer
98	ColorP27Green	0->255	Colors point dimmer
99	ColorP27Blue	0->255	Colors point dimmer
100	ColorP28Red	0->255	Colors point dimmer
101	ColorP28Green	0->255	Colors point dimmer
102	ColorP28Blue	0->255	Colors point dimmer
103	ColorP29Red	0->255	Colors point dimmer
104	ColorP29Green	0->255	Colors point dimmer
105	ColorP29Blue	0->255	Colors point dimmer
106	ColorP30Red	0->255	Colors point dimmer
107	ColorP30Green	0->255	Colors point dimmer
108	ColorP30Blue	0->255	Colors point dimmer
109	ColorP31Red	0->255	Colors point dimmer
110	ColorP31Green	0->255	Colors point dimmer
111	ColorP31Blue	0->255	Colors point dimmer
112	ColorP32Red	0->255	Colors point dimmer
113	ColorP32Green	0->255	Colors point dimmer
114	ColorP32Blue	0->255	Colors point dimmer
115	ColorP33Red	0->255	Colors point dimmer
116	ColorP33Green	0->255	Colors point dimmer
117	ColorP33Blue	0->255	Colors point dimmer
118	ColorP34Red	0->255	Colors point dimmer
119	ColorP34Green	0->255	Colors point dimmer
120	ColorP34Blue	0->255	Colors point dimmer
121	ColorP35Red	0->255	Colors point dimmer
122	ColorP35Green	0->255	Colors point dimmer
123	ColorP35Blue	0->255	Colors point dimmer
124	ColorP36Red	0->255	Colors point dimmer
125	ColorP36Green	0->255	Colors point dimmer
126	ColorP36Blue	0->255	Colors point dimmer
127	ColorP37Red	0->255	Colors point dimmer
128	ColorP37Green	0->255	Colors point dimmer
129	ColorP37Blue	0->255	Colors point dimmer

130	ColorP38Red	0->255	Colors point dimmer
131	ColorP38Green	0->255	Colors point dimmer
132	ColorP38Blue	0->255	Colors point dimmer
133	ColorP39Red	0->255	Colors point dimmer
134	ColorP39Green	0->255	Colors point dimmer
135	ColorP39Blue	0->255	Colors point dimmer
136	ColorP40Red	0->255	Colors point dimmer
137	ColorP40Green	0->255	Colors point dimmer
138	ColorP40Blue	0->255	Colors point dimmer

SIMP 16 mode

FINE1200C Strobe DMX Channel-SIMP Mode			
Channel	Specific	Value	Function
1	Tilt	0->255	Tilt adjust
2	Dimmer	0->255	Dimmer adjust
3	White	0->255	White adjust
4	White Strobe	0->5 Closed 6->10 On (Dimmer transition closed) 11->105 Standard strobe (0~20Hz) 106->110 On 111->179 Thunder (Pulse) strobe(0~10Hz) 180->185 On 186->253 Random strobe on (From slow to fast) 254->255 On(Dimmer transition on)	White strobe
5	WhiteShapeSel	0->7 No function 8->9 White effect 10->11 White effect2 12->13 White effect3 14->15 White effect4 16->17 White effect5 18->19 White effect6 20->21 White effect7 22->23 White effect8 24->25 White effect9 26->27 White effect10 28->29 White effect11 30->31 White effect12 32->33 White effect13 34->35 White effect14 36->37 White effect15 38->39 White effect16 40->41 White effect17 42->43 White effect18 44->45 White effect19 46->47 White effect20 48->49 White effect21 50->255 Display all function	White shape selection
6	WhiteShapeSpd	0->7 Static shape 8->255 Speed from slow to fast(3s->0s) (The function which fade in and fade out is default)	White shape speed
7	Color Strobe	0->5 Closed 6->10 On(Dimmer transition closed) 11->105 Standard strobe (0~20Hz) 106->110 On 111->179 Thunder (Pulse) strobe(0~10Hz) 180->185 On 186->253 Random strobe on (From slow to fast) 254->255 On(Dimmer transition on)	Color strobe
8	Red	0->255	Red
9	Green	0->255	Green
10	Blue	0->255	Blue
11	Reserve	0->255	To be reserved
12	ColorMacro	0->2 Closed 3->9 Seven kinds of rainbow effect 10->255 Color change	Color macro
13	ColorShapeSel	0->7 No function 8->9 Color effect1 10->11 Color effect2 12->13 Color effect3 14->15 Color effect4 16->17 Color effect5 18->19 Color effect6 20->21 Color effect7 22->23 Color effect8 24->25 Color effect9 26->27 Color effect10 28->29 Color effect11 30->31 Color effect12	Color shape selection

13	ColorShapeSel	32->33 Color effect13 36->37 Color effect15 40->41 Color effect17 44->45 Color effect19 48->49 Color effect21 52->53 Color effect23 56->57 Color effect25 60->61 Color effect27 64->65 Color effect29 68->69 Color effect31 72->73 Color effect33 76->77 Color effect35 80->81 Color effect37 84->85 Color effect39 88->89 Color effect41 92->93 Color effect43 96->97 Color effect45 100->101 Color effect47 104->105 Color effect49 108->109 Color effect51 112->113 Color effect53 116->117 Color effect55 120->121 Color effect57 124->125 Color effect59 128->129 Color effect61 132->133 Color effect63 136->137 Color effect65 140->141 Color effect67 144->145 Color effect69 148->149 Color effect71 152->153 Color effect73 156->157 Color effect75 160->161 Color effect77 164->165 Color effect79 168->169 Color effect81 172->173 Color effect83 176->177 Color effect85 180->181 Color effect87 184->185 Color effect89 188->189 Color effect91 192->193 Color effect93 196->197 Color effect95 200->215 Cycling from color effect1 to effect96 216->235 Random colors point (From one to twenty *) 236->255 Random single color point (From one to twenty *)("*"means that each random point corresponds one DMX signal)	34->35 Color effect14 38->39 Color effect16 42->43 Color effect18 46->47 Color effect20 50->51 Color effect22 54->55 Color effect24 58->59 Color effect26 62->63 Color effect28 66->67 Color effect30 70->71 Color effect32 74->75 Color effect34 78->79 Color effect36 82->83 Color effect38 86->87 Color effect40 90->91 Color effect42 94->95 Color effect44 98->99 Color effect46 102->103 Color effect48 106->107 Color effect50 110->111 Color effect52 114->115 Color effect54 118->119 Color effect56 122->123 Color effect58 126->127 Color effect60 130->131 Color effect62 134->135 Color effect64 138->139 Color effect66 142->143 Color effect68 146->147 Color effect70 150->151 Color effect72 154->155 Color effect74 158->159 Color effect76 162->163 Color effect78 166->167 Color effect80 170->171 Color effect82 174->175 Color effect84 178->179 Color effect86 182->183 Color effect88 186->187 Color effect90 190->191 Color effect92 194->195 Color effect94 198->199 Color effect96	Color shape selection
14	ColorShapeSpeed	0->7 Static shape 8->255 Speed from slow to fast(3s->0s)		Color shape speed
15	ColorShapeTrans	0->3 Fade in and fade out 4->7 Fade in 8->11 Fade out 12->15 No function 16->255 Trailing time from short to long(0s->8s)		ColorShapeTrans
16	Ctrl	0->3 No function 4->7 LED shape reserve off 8->11 LED shape reserve on 12->243 Reversed 244->247 LED driver reset 248->251 Tilt reset 252->255 All function reset (Maintaining more than 3 seconds for all function taking effect after changing DMX signal.All function need to make zero before resetting twice.)		Function control

RGB8+130 mode

FINE1200C Strobe RGB 138 Mode (DMX ctrl 1~8, ARTNET ctrl 9~138)			
ID	Specific	Value	Function
1	Tilt	0->255	Tilt
2	Tilt Fine	0->255	Tilt Fine
3	Dimmer	0->255	Dimmer
4	Dimmer Fine	0->255	Dimmer Fine
5	White 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)	White Strobe
6	Color 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->3 None 4->7 LED Pixel Reverse OFF 8->11 LED Pixel Reverse ON 12->243 Reserve 244->247 LED Board Reset 248->251 Tilt Reset 252->255 All Reset (the function will be active when you change value and keep this for more than 5 second.)	
8	Reserve	Reserve	
9	White P1 Dimmer	0->255	
10	White P2 Dimmer	0->255	
11	White P3 Dimmer	0->255	
12	White P4 Dimmer	0->255	
13	White P5 Dimmer	0->255	
14	White P6 Dimmer	0->255	
15	White P7 Dimmer	0->255	
16	White P8 Dimmer	0->255	
17	White P9 Dimmer	0->255	
18	White P10 Dimmer	0->255	
19	ColorP1Red	0->255	
20	ColorP1Green	0->255	
21	ColorP1Blue	0->255	
22	ColorP2Red	0->255	
23	ColorP2Green	0->255	
24	ColorP2Blue	0->255	
25	ColorP3Red	0->255	
26	ColorP3Green	0->255	
27	ColorP3Blue	0->255	
28	ColorP4Red	0->255	
29	ColorP4Green	0->255	
30	ColorP4Blue	0->255	
31	ColorP5Red	0->255	
32	ColorP5Green	0->255	
33	ColorP5Blue	0->255	
34	ColorP6Red	0->255	
35	ColorP6Green	0->255	

36	ColorP6Blue	0->255	
37	ColorP7Red	0->255	
38	ColorP7Green	0->255	
39	ColorP7Blue	0->255	
40	ColorP8Red	0->255	
41	ColorP8Green	0->255	
42	ColorP8Blue	0->255	
43	ColorP9Red	0->255	
44	ColorP9Green	0->255	
45	ColorP9Blue	0->255	
46	ColorP10Red	0->255	
47	ColorP10Green	0->255	
48	ColorP10Blue	0->255	
49	ColorP11Red	0->255	
50	ColorP11Green	0->255	
51	ColorP11Blue	0->255	
52	ColorP12Red	0->255	
53	ColorP12Green	0->255	
54	ColorP12Blue	0->255	
55	ColorP13Red	0->255	
56	ColorP13Green	0->255	
57	ColorP13Blue	0->255	
58	ColorP14Red	0->255	
59	ColorP14Green	0->255	
60	ColorP14Blue	0->255	
61	ColorP15Red	0->255	
62	ColorP15Green	0->255	
63	ColorP15Blue	0->255	
64	ColorP16Red	0->255	
65	ColorP16Green	0->255	
66	ColorP16Blue	0->255	
67	ColorP17Red	0->255	
68	ColorP17Green	0->255	
69	ColorP17Blue	0->255	
70	ColorP18Red	0->255	
71	ColorP18Green	0->255	
72	ColorP18Blue	0->255	
73	ColorP19Red	0->255	
74	ColorP19Green	0->255	
75	ColorP19Blue	0->255	
76	ColorP20Red	0->255	
77	ColorP20Green	0->255	
78	ColorP20Blue	0->255	
79	ColorP21Red	0->255	
80	ColorP21Green	0->255	
81	ColorP21Blue	0->255	
82	ColorP22Red	0->255	
83	ColorP22Green	0->255	
84	ColorP22Blue	0->255	
85	ColorP23Red	0->255	
86	ColorP23Green	0->255	
87	ColorP23Blue	0->255	
88	ColorP24Red	0->255	
89	ColorP24Green	0->255	
90	ColorP24Blue	0->255	
91	ColorP25Red	0->255	
92	ColorP25Green	0->255	
93	ColorP25Blue	0->255	
94	ColorP26Red	0->255	
95	ColorP26Green	0->255	

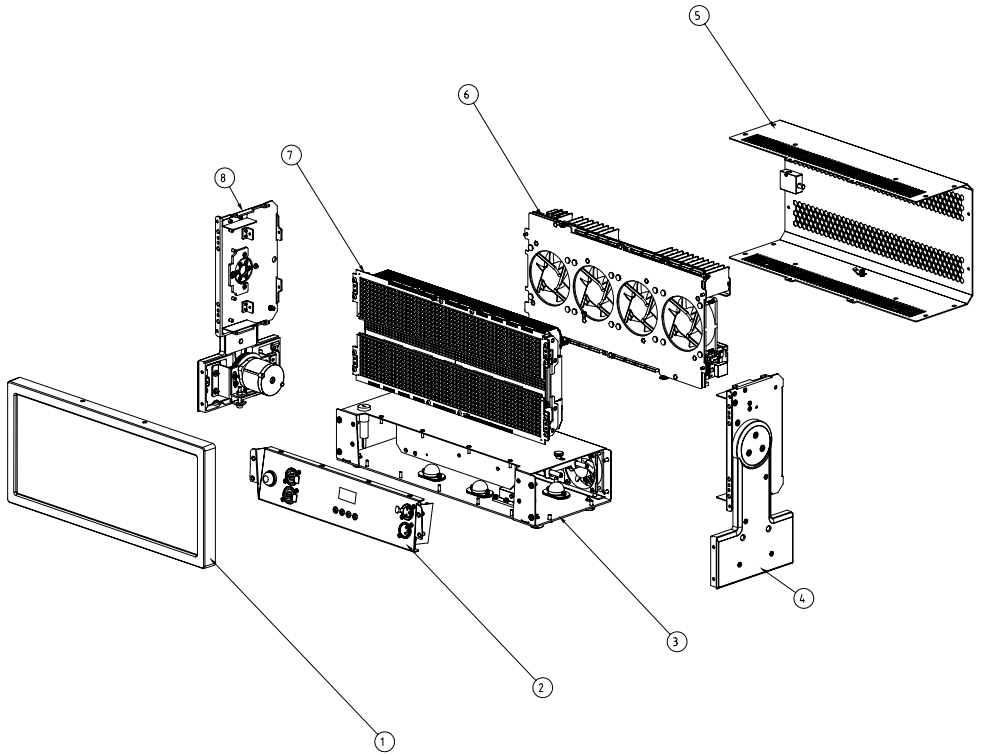
96	ColorP26Blue	0->255	
97	ColorP27Red	0->255	
98	ColorP27Green	0->255	
99	ColorP27Blue	0->255	
100	ColorP28Red	0->255	
101	ColorP28Green	0->255	
102	ColorP28Blue	0->255	
103	ColorP29Red	0->255	
104	ColorP29Green	0->255	
105	ColorP29Blue	0->255	
106	ColorP30Red	0->255	
107	ColorP30Green	0->255	
108	ColorP30Blue	0->255	
109	ColorP31Red	0->255	
110	ColorP31Green	0->255	
111	ColorP31Blue	0->255	
112	ColorP32Red	0->255	
113	ColorP32Green	0->255	
114	ColorP32Blue	0->255	
115	ColorP33Red	0->255	
116	ColorP33Green	0->255	
117	ColorP33Blue	0->255	
118	ColorP34Red	0->255	
119	ColorP34Green	0->255	
120	ColorP34Blue	0->255	
121	ColorP35Red	0->255	
122	ColorP35Green	0->255	
123	ColorP35Blue	0->255	
124	ColorP36Red	0->255	
125	ColorP36Green	0->255	
126	ColorP36Blue	0->255	
127	ColorP37Red	0->255	
128	ColorP37Green	0->255	
129	ColorP37Blue	0->255	
130	ColorP38Red	0->255	
131	ColorP38Green	0->255	
132	ColorP38Blue	0->255	
133	ColorP39Red	0->255	
134	ColorP39Green	0->255	
135	ColorP39Blue	0->255	
136	ColorP40Red	0->255	
137	ColorP40Green	0->255	
138	ColorP40Blue	0->255	

10. Parts Code

Item	Specification	P/N
1. 2V NiMH battery	1920mWh, 1600mAh	130702000016
Three-phase stepping motor 17HE7104-24B	Temperature resisitance: 130°C; Current: 1.6A/phase	140103000026
Fan ME60152V1-000C-A99	24V/0.115A	150101000034
Fan ME80252V1-000C-A99	DC24V/0.073A	150101000083
Toughened glass	Dimension: 364X157X3	200730000004
Hanging assembly		230730000040
1.3-inches OLED screen	Resolution ratio: 128*64	280802000049
Power supply	Vin:100-240VAC; Out1:36Vdc/16.7A; Out2:70Vdc/8.57A	330001200096
P/T optocoupler board	Version A	330397200005
Hall sensor board	39*31mm, Version A(V3.0)	330711100046
3-pin DMX board	Version C, 56.00mm*30.50mm, 3in1	330730100069
Signal main board	Version B, 333.0mm*45.0mm, 2in1	330730100065
Display board	Version C, 170.0mm*60.0mm, 3in1	330730100068
Ethernet network board	Version A, 50.0mm*48.0mm, 3in1	330730100070
White driver board	Version A, 48.5mm*34.0mm, 8in1	330730100059
Colors driver board	Version A, 48.5mm*34.0mm, 8in1	330730100067
Upper board of colors	Version A, 378.0mm*70.0mm, 1in1	330730100062
Below board of colors	Version A, 378.0mm*70.0mm, 1in1	330730100061
White LED board	Version A, 174.0mm*45.0mm, 2in1	330730100071
Controller switch board	Version A, 54*50mm, 6in1	330712100099

*Name: refer to the names in the fixture exploded view.

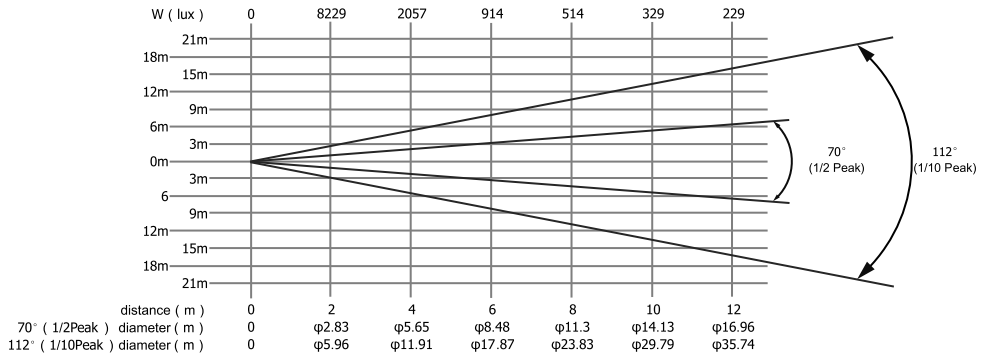
Attached 1: FINE 1200C STROBE LED exploded view



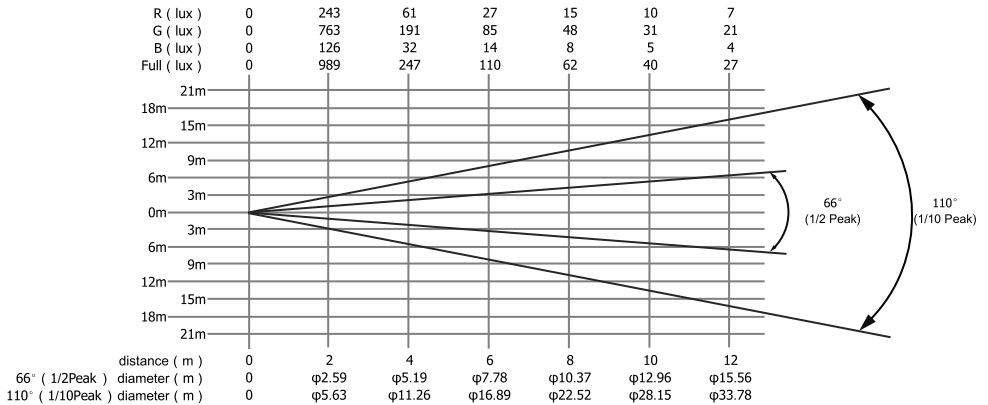
NO.	tem	NO.	Item	NO.	Item
1	body cover assembly	2	display board assembly	3	base assembly
4	left arm assembly	5	back cover assembly	6	radiating fan assembly
7	radiating assembly	8	right arm assembly		

Attached2: FINE 1200C STROBE LED photometric diagram

White ●PHOTOMETRIC



Colour ●PHOTOMETRIC



Attached3: FINE 1200C STROBE LED wiring diagram

