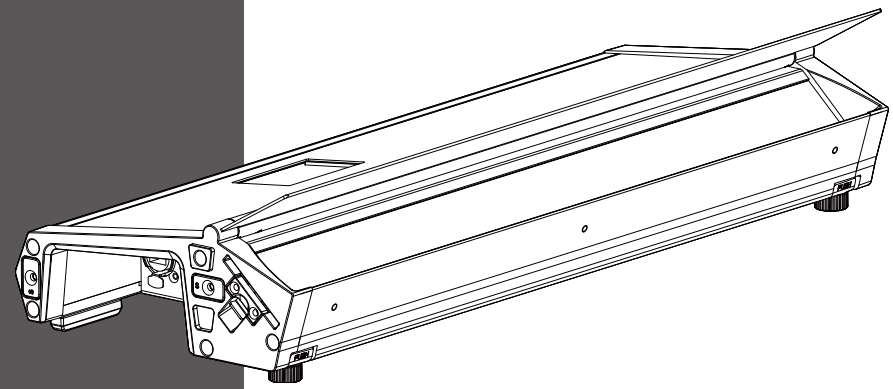
CYC M



www.ckclighting.com

Before carrying out any installation, maintenance, or cleaning of the lighting fixtures, please confirm that the power has been cut off! Before using this fixture, please read this manual. Our company reserves the right to change product design and specifications without prior notice.

CKC LIGHTING CO.,LTD

Addr.:335 Nansha Avenue, Tung Chung Town,
Nansha District, Guangzhou City, China.
TEL：(020)3920 4506 FAX：(020)3920 4631
WEB：www.ckclighting.com

CONTENTS

1. Security Warning Information 1

2. Product Introduction 3

2.1 Exterior dimensions 3
2.2 Fixture packaging accessories 3

3. Main technical parameters of the equipment 3

4. Packaging and transportation 4

4.1 Disassemble packaging 4
4.2 Equipment installation 4

5. Installation Requirements Explanation 4

5.1 Clamp installation 4
5.2 Fixture installtion 5
5.3 Hanging Installation Diagram 5

6. Power and signal connection 6

6.1 Power and signal socket 6
6.2 Power Connect 6
6.3 Signal Connect 7

7. Control panel 7

7.1 Panel Introduction 7
7.2 System menu 8

8. DMX control channel table 10

9. Control circuit diagram 22

10. Regular maintenance 22

10.1 Cleaning and maintenance 22
10.2 Fault analysis and handling 23

www.ckclighting.com

★ Statement ★

- This manual contains important information on safe use and installation. Please read it carefully and follow the requirements for operation and installation. Please keep this manual properly;
- The equipment has good performance and complete packaging when it leaves the factory. The operator should strictly follow the warning items and operating instructions stated in the manual. Any malfunction or damage caused by misuse or neglect of the manual is not within the scope of our company's responsibility and warranty;
- The relevant information in this manual is for reference only. All lighting products are subject to the actual product. Any changes will not be notified separately, and our company reserves the right of final interpretation.

1. Security Warning Information

Attention !

Please read the safety requirements information in this section carefully before installing, powering on, operating, or repairing the lighting fixtures.

- This product is for professional use and is not suitable for other purposes;
- After receiving the lighting fixtures, please check if the packaging is complete and unpack to check if the equipment has been damaged due to transportation. If there is any damage caused by transportation, please do not use this lamp and contact local technicians or manufacturers as soon as possible;
- When transporting again, please use the original packaging materials;
- If there is obvious damage to the machine casing, it should be replaced in a timely manner;
- When hanging lamps, it is necessary to verify that the hanging equipment can withstand more than 6 times the weight of the lamp. After installation, it is necessary to verify that the lamp cover and installation buckle are secure and undamaged. At the same time, a safety rope should be used as an auxiliary safety for the lamp and fixed on the truss;
- The light source inside this luminaire should be replaced by the manufacturer, its service agent, or a similarly qualified person;
- If you have any other questions about how to safely operate the equipment, please contact our technical personnel or call our service hotline;
- This product has a protection level of IP30 and can be used both indoors;
- Avoid direct external strong light shining on the lens, which may cause the lens to focus and burn out internal components.

- Lighting fixtures should be kept clean and avoid prolonged use in overheated or dusty environments to prevent contact with chemical liquids;
- When using the product, attention should be paid to avoiding serious or fatal injuries caused by fire, heat, electrical shock, and ultraviolet radiation. Before powering on or installing, read the instruction manual first. Follow the safety precautions for operation and pay attention to the warning signs on the instructions and equipment;
- Only professionals are allowed to install, operate, and maintain lighting fixtures, and strictly follow the procedures stated in the operating instructions.

- The eyes cannot directly look at the luminous object;
- Do not connect this device to any dimmer;
- If visible damage occurs to the protective casing, lens, and display screen on the lighting fixture, it is considered as damage to the point of loss;
- Please do not place any filters or other items at the light outlet, and do not replace non original parts;
- The minimum safe illumination distance of the lamp is 1m.

- Before installation, please confirm that the power supply voltage used matches the voltage indicated on the light fixture. Each lighting fixture should be properly grounded and electrically installed according to relevant standards;
- Please disconnect the power before repairing or cleaning the equipment;
- During the operation of the lighting fixtures, touching the wires is prohibited to prevent electric shock;
- If the external soft cable or wire of this lamp is damaged, the wire should be replaced by the manufacturer, its agent, or a similarly qualified person to avoid danger;
- Avoid flammable liquids, water, or metal conductors from entering the interior of the lamp to prevent electric shock or fire. If any foreign objects enter the lamp, immediately cut off the power supply;
- When multiple lamps are operated in series, the signal lines can be connected in multiple ways, but the power supply must be connected separately.

- The lighting fixtures work normally at -40 ℃ to 45 ℃ . When replacing any components or accessories in the equipment, ensure that the power is disconnected to prevent electric shock and injury;
- The maximum surface temperature of the lamp during operation can reach 77 ℃ , please do not touch it with bare hands.

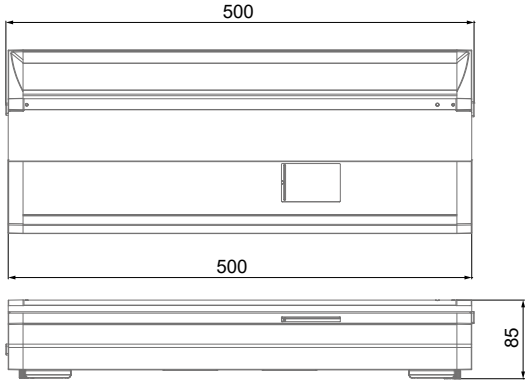
- The lighting fixtures must be installed in a sufficiently ventilated area, at least 0.5m away from adjacent surfaces, to ensure that no ventilation holes are blocked;
- Do not install the lighting fixtures directly on flammable objects;
- The minimum distance between all outer surfaces of the lamp and combustible materials is 0.5m.

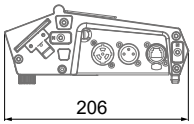
www.ckclighting.com

2. Product Introduction

2.1 Exterior dimensions of lighting fixtures

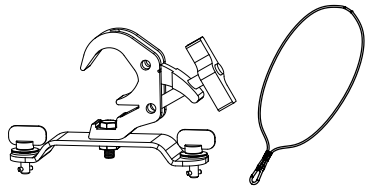
500 × 206 × 85 mm





2.2 Packaging accessories

Name	QTY
Omega bracket	1 PCS
Clamp	1 PCS
Safety cable	1 PCS



3. Main technical parameters of the equipment

Product execution standards：GB43472-2023、GB/T7000.1-2023、GB/T7000.217-2023

- **Electrical parameter**

Rated input voltage：AC 100V-240V~ 50Hz/60Hz
Power：208 W
Power factor：0.99F
Input Current：0.91A 220V

- **Source lifespan**

> 20000 hours

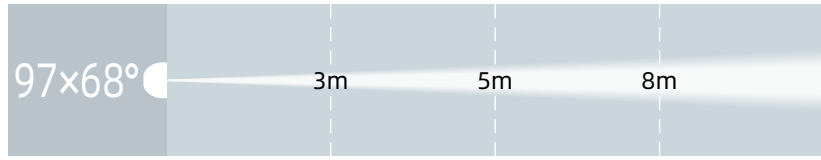
- **Optical system**

Source：80 × 3.5W RGBAL LED
Output luminous flux：7900 Lm
Beam angel：X/59° (50%)　Y/37° (50%)
Field angle：X/97° (10%)　Y/68° (10%)
CCT：2400K-8500K
CRI: 90+

- **Control and programming**

Control channel：1/4-1/4-2/11/16/13/20/19/32
Protocol：DMX512, RDM, ArtNet/sACN
Data connect：3 pin or 5pin signal in/out, RJ45 in/out

- **Illumination draw**



Lux	967	386	155
Diameter (m)	4.05	6.75	10.79

- **Other effect function**

Fast electronic strobe：1~25Hz　LED refresh rate：900Hz~25KHz
Dimming Mode：6　Dimming Curve：4

- **Other features and functions**

Weight：4.3 KG

4. Packaging and transportation

4.1 Disassemble packaging

Notice：After receiving the fixture, please unpack and check for any damage caused by transportation. If there is any damage caused by transportation, please do not use this fixture and contact the local technical personnel or manufacturer as soon as possible.

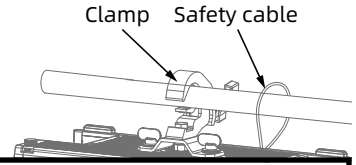
4.2 Equipment packaging

1). Disconnect the power supply before packaging the lighting fixtures to allow them to cool completely;
2). Flight cases can only be stacked in two layers and are not allowed to be reversed.

5. Installation Requirements Explanation

5.1 Clamp install

The lighting fixtures can be installed on the stage or on any direction of the truss, and the clamp can be quickly and easily locked onto the truss.

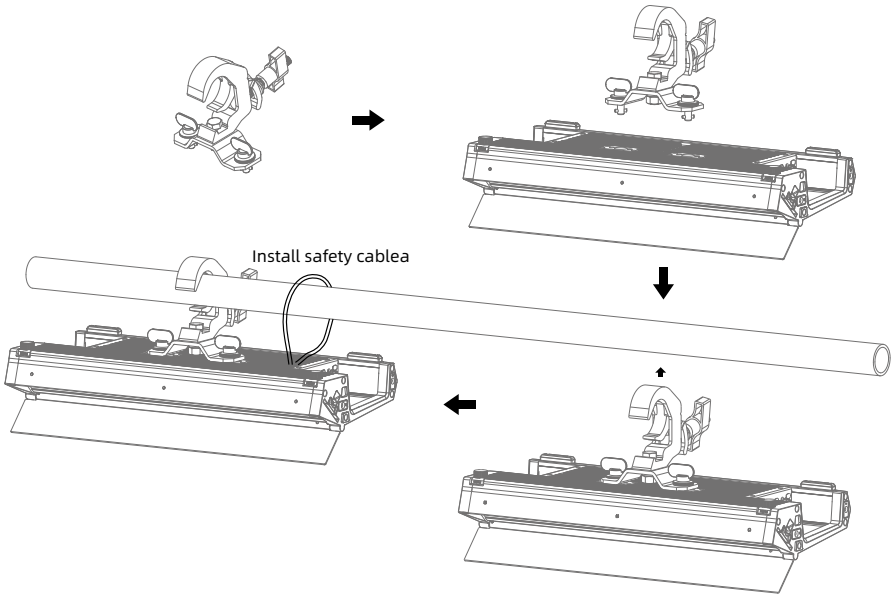


Waining !

The lighting fixtures are divided into two versions: integrated light hook and normal. When using the integrated light hook version, the clamp is broken up and locked onto the truss. The normal version must use 1 clamps to secure the device and fasten it with a 1/4 rotation. Regardless of the version, 1 safety rope must be added and connected to the base hole, but be careful not to connect it to the handling handle.

www.ckclighting.com

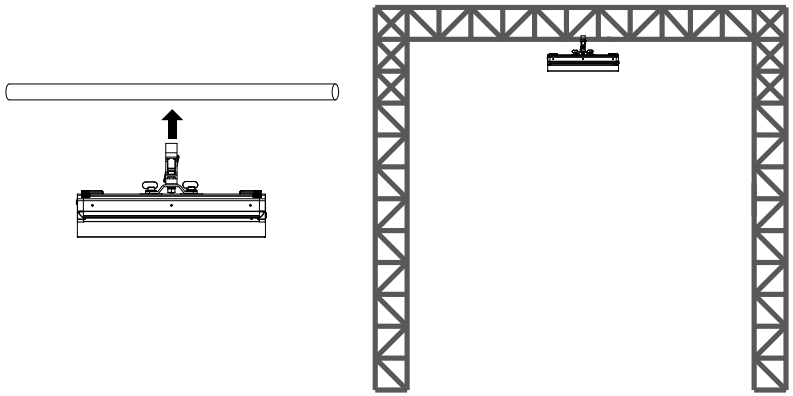
Quick lock and clamp install



5.2 Equipment installation

1). Before installation, it is necessary to verify that the lamp hook and safety rope are not damaged, and that the installation object can withstand 6 times the total weight of the lamp and cable accessories;
2). Install the quick lock clamp on the base of the lamp body. Insert the clamp horizontally into the mounting hole of the base, rotate it clockwise 1/4 turn to lock it, and install the second clamp using the same method (the shape of the clamp should be based on the actual product).

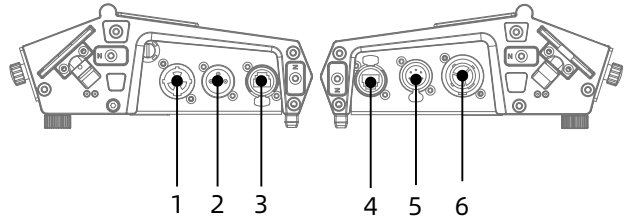
5.3 Hanging Installation Diagram



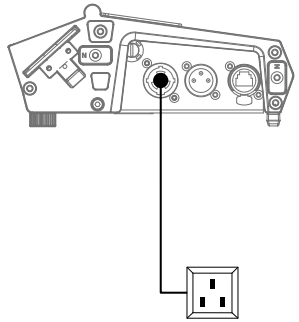
6. Power、Signal connect

6.1 Power and signal socket

1. Power input
2. DMX input
3. RJ45 input
4. DMX output
5. RJ45 output
6. Power output



6.2 Power connect



Connection method:

L(live wire) - brown wire

E(Ground wire) - yellow/green dual color line

N(Zero Line) - Blue Line

When connecting the power supply, please note that the voltage and frequency of the power supply must match the voltage and frequency marked on the light fixture. When multiple fixtures are used simultaneously, it is recommended to connect the power supply of each fixture separately, so that each fixture can be individually controlled for power on/off.

Attention: When connecting the power supply, the ground wire (yellow/green dual color wire) must be safely grounded and comply with all relevant electrical installation standards.

Power In

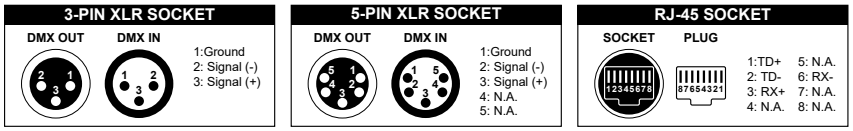
This product uses Powercon In/Out to connect power cords. Due to power limitations, a 2 square meter power cord can carry up to 17 products at 240V and 6 product at 100V.

Waining !

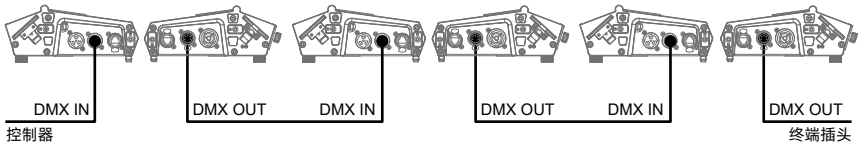
- Do not connect too many fixtures or overload a single power cord;
- Do not use power cords with damaged insulation layers, and do not place power cords on other wires;
- When the fixture is not in use or cleaned, please unplug the power cord; Do not forcefully unplug or drag the power cord directly.

www.ckclighting.com

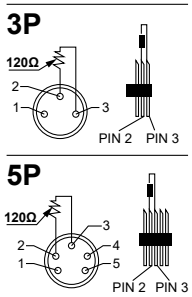
6.3 Signal connect



The lighting fixtures are equipped with standard DMX XLR and RJ-45 input and output sockets. Please use DMX512 shielded twisted pair signal cables or Category 3/5 or above network twisted pair cables for connection.
The typical connection distance for DMX signal lines is 150 meters. When transmitting signals over long distances, a DMX512 signal amplifier must be added.

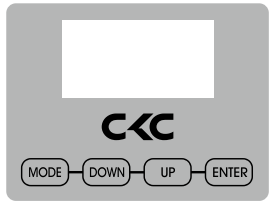


Connect a shielded twisted pair signal cable from the DMX output port of the controller to the DMX input port of the first device, and from the DMX output port of the first device to the DMX input port of the second device, and so on, until all the lamps are connected. Then install a terminal plug on the last 3 or 5 pin socket of each connected lamp output. (Weld a 4/1W, 120 Ω resistor between the 2 and 3 pins of a 3 or 5 core pin XLR plug).



7. Control panel

7.1 Panel Introduction



- Adopting a touch screen, the operation panel has a rechargeable battery that allows you to access the menu to set the address code and make other settings without power on;
- Press the MODE key to view or modify the lighting function settings, and press the UP, DOWN, LEFT, and RIGHT keys to select the function menu;
- Press the ENTER key to confirm your selected function menu, which will take you to the corresponding sub menu in the menu. Each menu item represents a specific function of the lighting fixture (as shown in the table below);
- Press the ENTER key to save your modifications or enter a submenu, and press the UP or DOWN key to modify values (increase or decrease values); Press the MODE key to return to the previous menu or exit.
- Press the MODE key to return to the previous menu or exit.

7.2、System menu

Note: The gray color block is the default setting value

Software Update
Please Wait...
Ethernet
Init...
CKC
CYC M

MAIN INTERFACE	CH:xxx.xxCH ADDR:xxx	
DMX SETTINGS	DMX Address	001 - 512
	DMX Mode	Dimmer 1CH
		RGB 4CH
		CCT 4CH
		CMY 11CH
		CMY Extended 16CH
		Standard 13CH
		Extended 20CH
		Standard 2 Zone 19CH
		Extended 2 Zone 32CH
	No DMX Status	Hold Last
		Fade to black
		Standalone
STANDALONE	Dimmer	000% - 100%
	CCT	2400K - 8500K (Default = 6000K)
	Green Shift	-100% ~ +100% (Default = 0)
	Virtual Color	See Color Macros
PERSONALITY	Primary	On / Off
	Secondary	On / Off
	Fixture ID	Service PIN (Password = 050)
		Universe
		Unit IP Address
		Mask Address
	Protocol Set	Artnet/sACN
	KlingNet	On / Off
	Net Switch	On / Off
	Dim Modes	OFF
		Dimmer 1
		Dimmer 2
		Dimmer 3
		Standard
		Stage
		TV
		Architectural
		Theatre
		Stage 2

www.ckclighting.com

		Dim Speed	0s - 10s (Default = 0.1s)
		Red Shift (ON/OFF)	
	Dim Curves	Linear	
		Square	
		Square Inverse	
		S-Curve	
PERSONALITY	LED Refresh Rate	900Hz - 1500Hz, 2500Hz, 4000Hz, 5000Hz, 6000Hz, 10kHz,15kHz, 20kHz, 25kHz (Default = 1200 Hz)	
	LED Power Limit	50%	
		60%	
		70%	
		80%	
		90%	
		100%	
	Display	Screen Delay	Off,10s-5min(Default=1min)
		Screen Lock	Off,10s-5min
		Rotate Display	Yes / No / Auto
	Service (Passcode = 050)	Calibration	Red 000 - 255
			Green 000 - 255
			Blue 000 - 255
			Mint 000 - 255
			Amber 000 - 255
		Factory Restore	Yes / No
INFORMATION	Life Time	xxxxx h	
	Last Run Time	xxxxx h	
	Time Reset	Passcode = 038	
	Temperature	Current	
		Max Resettable	
		Reset (Passcode = 038)	
	DMX Values	Red	
		Green	
		...	
	Product IDs	RDM UID	
	Error Logs	Fixture Errors	
		Reset Error Log (Yes / No Passcode = 050)	
	Software Version	1U : V1.09	
		2U : V1.09	
		3U : V1.09	

8. DMX channel table:

Dimmer 1CH	RGB 4CH	CCT 4CH	CMY 11CH	CMY Extended 16CH	Standard 13CH	Value Range	Function
1	1	1	1	1	1	0-255	**Dimmer**
							Intensity 0 → 100%
		2	2	2	2	0-255	**Dimmer Fine**
							Fine Adjustment
			3	3	3		**Shutter/Strobe**
						0-31	Shutter closed
						32-63	No function (shutter open)
						64-95	Strobe effect slow to fast
						96-127	No function (shutter open)
						128-159	Pulse-effect in sequences
						160-191	No function (shutter open)
						192-223	Random strobe effect slow to fast
						224-255	No function (shutter open)
	2				4	0-255	**Red**
							0 → 100%
						0-255	**Red Fine**
							Fine Adjustment
	3				5	0-255	**Green**
							0 → 100%
						0-255	**Green Fine**
							Fine Adjustment
	4				6	0-255	**Blue**
							0 → 100%
						0-255	**Blue Fine**
							Fine Adjustment
					7	0-255	**Mint**
							0 → 100%
						0-255	**Mint Fine**
							Fine Adjustment
					8	0-255	**Amber**
							0 → 100%
						0-255	**Amber Fine**
							Fine Adjustment
						0-255	**Red 2**
							0 → 100%
						0-255	**Red Fine 2**
							Fine Adjustment
						0-255	**Green 2**
							0 → 100%
						0-255	**Green Fine 2**
							Fine Adjustment

www.ckclighting.com

						0-255	**Blue 2**
							0 → 100%
						0-255	**Blue Fine 2**
							Fine Adjustment
						0-255	**Mint 2**
							0 → 100%
						0-255	**Mint Fine 2**
							Fine Adjustment
						0-255	**Amber 2**
							0 → 100%
						0-255	**Amber Fine 2**
							Fine Adjustment
			4	4		0-255	**Cyan**
							0 → 100%
				5		0-255	**Cyan Fine**
							Fine Adjustment
			5	6		0-255	**Magenta**
							0 → 100%
				7		0-255	**Magenta Fine**
							Fine Adjustment
			6	8		0-255	**Yellow**
							0 → 100%
				9		0-255	**Yellow Fine**
							Fine Adjustment
						0-255	**Hue**
							0 → 360°
						0-255	**Saturation**
							0 → 100%
		3	7	10	9		**Variable CCT**
						0-26	Open
						27-85	2700K → 8500K (See Sheet)
						86-255	8500K
							Variable CCT 2
						0-26	Open
						27-85	2700K → 8500K (See Sheet)
						86-255	8500K
							Variable CCT 3
						0-26	Open
						27-85	2700K → 8500K (See Sheet)
						86-255	8500K
							Variable CCT 4
						0-26	Open
						27-85	2700K → 8500K (See Sheet)
						86-255	8500K

							CCT Cross Fade
			8	11	10	0	CCT
						255	Color Mix
							Color
						0	Open
						1-179	Virtual Swatch Book (See Table)
							Color Scroll
						180-201	Clockwise Fast → Slow
						202-207	Stop
			9	12	11	208-229	Counter-clockwise Slow → Fast
						230-234	Open
							Random Slots
						235-239	Fast
						240-244	Medium
						245-249	Slow
						250-255	Open
							Green Shift
						0	Idle
		4		13		1-127	Full Minus Green to Neutral
						128	Neutral White
						129-255	Neutral to Full Plus Green
							Green Shift 2
						0	Idle
						1-127	Full Minus Green to Neutral
						128	Neutral White
						129-255	Neutral to Full Plus Green
							Green Shift 3
						0	Idle
						1-127	Full Minus Green to Neutral
						128	Neutral White
						129-255	Neutral to Full Plus Green
							Green Shift 4
						0	Idle
						1-127	Full Minus Green to Neutral
						128	Neutral White
						129-255	Neutral to Full Plus Green
			10	14	12		**EdgeLight Level**
						0-10	Off
						11-20	Default
						21-255	Intensity Min → Max
							Dim Modes
						0-20	Standard
						21-40	Stage
						41-60	TV
						61-80	Architectural

www.ckclighting.com

				15		81-100	Theatre
						101-120	Stage 2
						Dimmer Delay Time	
						121	0s
						122	0.1s
						123	0.2s
						124	0.3s
						125	0.4s
						126	0.5s
						127	0.6s
						128	0.7s
						129	0.8s
						130	0.9s
						131	1.0s
						132	1.5s
						133	2.0s
						134	3.0s
						135	4.0s
						136	5.0s
						137	6.0s
						138	7.0s
						139	8.0s
						140	9.0s
						141	10s
						142-255	Idle
						Control	
						0-69	Idle
						EdgeLite Control	
						70-74	Disabled
						75-79	Always ON
						80-84	DMX
						85-94	Red
						95-99	Blue
						Refresh Rate (Hz)	
						100	900
						101	910
						102	920
						103	930
						104	940
						105	950
						106	960
						107	970
						108	980
						109	990
						110	1000

			11	16	13	111	1010
						112	1020
						113	1030
						114	1040
						115	1050
						116	1060
						117	1070
						118	1080
						119	1090
						120	1100
						121	1110
						122	1120
						123	1130
						124	1140
						125	1150
						126	1160
						127	1170
						128	1180
						129	1190
						130	1200
						131	1210
						132	1220
						133	1230
						134	1240
						135	1250
						136	1260
						137	1270
						138	1280
						139	1290
						140	1300
						141	1310
						142	1320
						143	1330
						144	1340
						145	1350
						146	1360
						147	1370
						148	1380
						149	1390
						150	1400
						151	1410
						152	1420
						153	1430
						154	1440
						155	1450

www.ckclighting.com

						156	1460
						157	1470
						158	1480
						159	1490
						160	1500
						161	2500
						162	4000
						163	5000
						164	6000
						165	10000
						166	15000
						167	20000
						168	25000
						169-200	Idle
						Dimmer Curves	
						201-210	Dimmer Curve: Linear (Default)
						211-220	Dimmer Curve: Square
						221-230	Dimmer Curve: Inverse Square
						231-240	Dimmer Curve: S-Curve
						241-255	Idle

Extended 20CH	Standard 2 Zone 19CH	Extended 2 Zone 32CH	Value Range	Function
1	1	1	0-255	**Dimmer**
				Intensity 0 → 100%
2	2	2	0-255	**Dimmer Fine**
				Fine Adjustment
3	3	3	**Shutter/Strobe**	
			0-31	Shutter closed
			32-63	No function (shutter open)
			64-95	Strobe effect slow to fast
			96-127	No function (shutter open)
			128-159	Pulse-effect in sequences
			160-191	No function (shutter open)
			192-223	Random strobe effect slow to fast
			224-255	No function (shutter open)
4	4	4	0-255	**Red**
				0 → 100%
5		5	0-255	**Red Fine**
				Fine Adjustment
6	5	6	0-255	**Green**
				0 → 100%
7		7	0-255	**Green Fine**
				Fine Adjustment
8	6	8	0-255	**Blue**
				0 → 100%
9		9	0-255	**Blue Fine**
				Fine Adjustment
10	7	10	0-255	**Mint**
				0 → 100%
11		11	0-255	**Mint Fine**
				Fine Adjustment
12	8	12	0-255	**Amber**
				0 → 100%
13		13	0-255	**Amber Fine**
				Fine Adjustment
	9	14	0-255	**Red 2**
				0 → 100%
		15	0-255	**Red Fine 2**
				Fine Adjustment
	10	16	0-255	**Green 2**
				0 → 100%
		17	0-255	**Green Fine 2**
				Fine Adjustment
	11	18	0-255	**Blue 2**
				0 → 100%
		19	0-255	**Blue Fine 2**
				Fine Adjustment
	12	20	0-255	**Mint 2**
				0 → 100%
		21	0-255	**Mint Fine 2**
				Fine Adjustment
	13	22	0-255	**Amber 2**
				0 → 100%
		23	0-255	**Amber Fine 2**
				Fine Adjustment
			0-255	**Cyan**
				0 → 100%
			0-255	**Cyan Fine**
				Fine Adjustment
			0-255	**Magenta**
				0 → 100%
			0-255	**Magenta Fine**
				Fine Adjustment
			0-255	**Yellow**
				0 → 100%
			0-255	**Yellow Fine**
				Fine Adjustment

www.ckclighting.com

			0-255	**Hue**
				0 → 360°
			0-255	**Saturation**
				0 → 100%
14	14	24		**Variable CCT**
			0-26	Open
			27-85	2700K → 8500K (See Sheet)
			86-255	8500K
	15	25		**Variable CCT 2**
			0-26	Open
			27-85	2700K → 8500K (See Sheet)
			86-255	8500K
15	16	26		**CCT Cross Fade**
			0	CCT
			255	Color Mix
16	17	27		**Color**
			0	Open
			1-179	Virtual Swatch Book (See Table)
				Color Scroll
			180-201	Clockwise Fast → Slow
			202-207	Stop
			208-229	Counter-clockwise Slow → Fast
			230-234	Open
				Random Slots
			235-239	Fast
			240-244	Medium
			245-249	Slow
			250-255	Open
17		28		**Green Shift**
			0	Idle
			1-127	Full Minus Green to Neutral
			128	Neutral White
			129-255	Neutral to Full Plus Green
		29		**Green Shift 2**
			0	Idle
			1-127	Full Minus Green to Neutral
			128	Neutral White
			129-255	Neutral to Full Plus Green
18	18	30		**EdgeLight Level**
			0-10	Off
			11-20	Default
			21-255	Intensity Min → Max
				Dim Modes
			0-20	Standard
			21-40	Stage
			41-60	TV

			61-80	Architectural
			81-100	Theatre
			101-120	Stage 2
				Dimmer Delay Time
			121	0s
			122	0.1s
			123	0.2s
			124	0.3s
			125	0.4s
			126	0.5s
19		31	127	0.6s
			128	0.7s
			129	0.8s
			130	0.9s
			131	1.0s
			132	1.5s
			133	2.0s
			134	3.0s
			135	4.0s
			136	5.0s
			137	6.0s
			138	7.0s
			139	8.0s
			140	9.0s
			141	10s
			142-255	Idle
				Control
			0-69	Idle
				EdgeLite Control
			70-74	Disabled
			75-79	Always ON
			80-84	DMX
			85-94	Red
			95-99	Blue
				Refresh Rate (Hz)
			100	900
			101	910
			102	920
			103	930
			104	940
			105	950
			106	960
			107	970
			108	980
			109	990

www.ckclighting.com

			110	1000
			111	1010
			112	1020
			113	1030
			114	1040
			115	1050
			116	1060
			117	1070
			118	1080
			119	1090
			120	1100
			121	1110
			122	1120
			123	1130
			124	1140
			125	1150
			126	1160
			127	1170
			128	1180
			129	1190
			130	1200
			131	1210
			132	1220
20	19	32	133	1230
			134	1240
			135	1250
			136	1260
			137	1270
			138	1280
			139	1290
			140	1300
			141	1310
			142	1320
			143	1330
			144	1340
			145	1350
			146	1360
			147	1370
			148	1380
			149	1390
			150	1400
			151	1410
			152	1420
			153	1430
			154	1440
			155	1450
			156	1460
			157	1470
			158	1480
			159	1490
			160	1500
			161	2500
			162	4000
			163	5000
			164	6000
			165	10000
			166	15000
			167	20000
			168	25000
			169-200	Idle
			Dimmer Curves	
			201-210	Dimmer Curve: Linear (Default)
			211-220	Dimmer Curve: Square
			221-230	Dimmer Curve: Inverse Square
			231-240	Dimmer Curve: S-Curve
			241-255	Idle

CCT

Value	CCT	Value	CCT	Value	CCT	Value	CCT
24	2400	40	4000	56	5600	72	7200
25	2500	41	4100	57	5700	73	7300
26	2600	42	4200	58	5800	74	7400
27	2700	43	4300	59	5900	75	7500
28	2800	44	4400	60	6000	76	7600
29	2900	45	4500	61	6100	77	7700
30	3000	46	4600	62	6200	78	7800
31	3100	47	4700	63	6300	79	7900
32	3200	48	4800	64	6400	80	8000
33	3300	49	4900	65	6500	81	8100
34	3400	50	5000	66	6600	82	8200
35	3500	51	5100	67	6700	83	8300
36	3600	52	5200	68	6800	84	8400
37	3700	53	5300	69	6900	85	8500
38	3800	54	5400	70	7000		
39	3900	55	5500	71	7100		

www.ckclighting.com

Virtual Colors

Value	Filter Number	Name
1	7	pale yellow
2	103	straw
3	151	gold tint
4	100	spring yellow
5	10	medium yellow
6	101	yellow
7	104	deep amber
8	15	deep straw
9	179	loving amber
10	21	gold amber
11	105	orange
12	158	deep orange
13	22	dark amber
14	778	millenium gold
15	135	deep golden amber
16	24	scarlet
17	106	primary red
18	26	bright red
19	27	medium red
20	19	fire
21	157	pink
22	36	medium pink
23	111	dark pink
24	128	bright pink
25	148	bright rose
26	332	special rose pink
27	793	vanity fair
28	113	magenta
29	46	dark magenta
30	48	rose purple
31	126	mauve

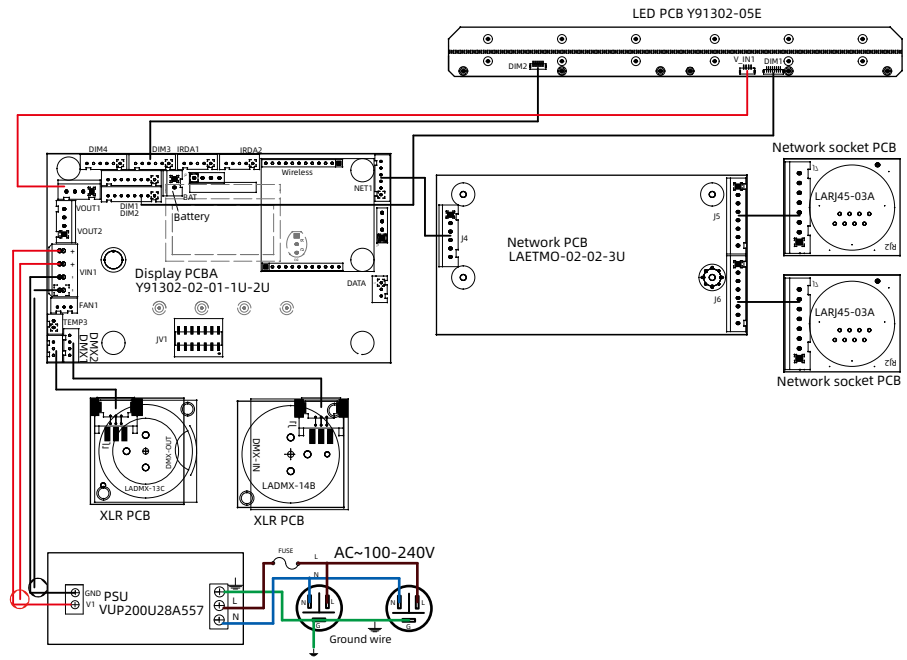
Value	Filter Number	Name
32	49	medium purple
33	58	lavender
34	199	palace blue
35	119	dark blue
36	132	medium blue
37	120	deep blue
38	165	daylight blue
39	161	slate blue
40	118	light blue
41	68	sky blue
42	143	pale navy blue
43	131	marine blue
44	115	peacock blue
45	172	lagoon blue
46	116	medium blue green
47	90	dark yellow green
48	139	primary green
49	122	fern green
50	89	moss green
51	124	dark green
52	88	lime green
53	138	pale green
54	203	Quarter CT Blue
55	202	Half CT Blue
56	201	FULL CT Blue
57	200	double CT Blue
58	206	Quarter CT Orange
59	205	Half CT Orange
60	204	FULL CT Orange
61-179		No function

Block distribution map

1	2

↑ Audience reach

9. Control circuit diagram



10. Regular maintenance

10.1 Cleaning and maintenance

Lighting fixtures require daily cleaning and maintenance, and their service life largely depends on the operating environment and standards. If you have any questions, please consult our technical engineers for advice. Maintenance and repair work not included in this book should be entrusted to our qualified technical engineers.

Attention! Damage caused by dust, e-liquid, or other reasons, as well as abnormal use, is not covered by the warranty.

Waining !

Before opening any lid, disconnect the power supply. Cleaning optical components requires gentle wiping as the coating surface is prone to scratching. Do not use damaging liquids or hard objects , as they may damage the plastic or coating surface.

- When the lens is cracked or otherwise damaged, it should be replaced in a timely manner;
- When the brightness significantly decreases, the LED may have reached its expiration date and should be replaced in a timely manner;
- When the fixture cannot start, please check if the fixture power fuse

www.ckclighting.com

is blown. If it is blown, a fuse of the same specification must be used for installation;

● The fixture is equipped with a temperature protection device. When the temperature is too high, the protection device will automatically reduce power.

● When this situation occurs, please check whether the fan is running normally, whether the fan and fan mesh are clogged with dust, identify the fault and repair it before starting the fixture. Please note that only qualified technicians are allowed to carry out maintenance work;

● To maintain smooth movement of the focusing lens, it is recommended to lubricate the guide rail of the focusing lens every three months. Excellent and high-temperature resistant lubricating grease should be used, and excessive grease should not be used as it can easily dirty adjacent components.

10.2 Fault analysis and handling

Fault description	Analysis	Processing method
No action after power on	Check if the power switch is turned on	Turn on
	Check if the fuse is blown	Replace
	Check if the output of PSU is normal	Detecting voltage
	Check if poor contact in the internal circuit	Reconnect
Uncontrolled lighting fixtures	Check if the DMX signal cable is connected correctly (If there is no signal, the display screen will flash)	Reconnect or replace
	Check if the address code is correct and if the DMX mode of the lighting fixture matches the settings	Reconfirm
	The main control PCB is damaged	Replace
Not bright	LED aging or damage	Replace
	Power PCB malfunction	Check/ Replace
	Loose or poor contact of the circuit	Reconnect
	PSU malfunction	Replace
Automatically turn off or dim the lights	LED aging	Replace
	The temperature control switch is damaged	Replace
Weak light efficiency and uneven light spot	LED aging	Replace
	The optical mirror has accumulated dust or stains	Clean
	The optical mirror is damaged	Replace
Impure color	Weakening of light efficiency	Replace led PCB
	The color filter has accumulated dust or stains	Clean
	The color filter has been demolded or damaged	Replace

Attention! The above analysis is for abnormal reference only. Non professionals are not allowed to disassemble and repair the machine