

JIAOLONG/PML-10 IP

Note: This manual contains important information on how to install and use it safely, please read it carefully and install and operate it as required. At the same time, please keep this manual properly for emergency use.

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This product leaves the factory in good condition and the package is complete. All users should strictly abide by the warnings and operation instructions stated in this manual. Any damage caused by misuse is not guaranteed by the company. The dealer is not responsible for the failure and problems caused by ignoring the operation manual.

This manual is subject to technical changes without prior notice.

Safety Guidance Information



Warnings

Products are packaged in good condition before delivery, please follow the user manual for operation.


The machine failure caused by human causes is not covered by the warranty.

- After receiving the light fixture, unwrap it and check for any damage caused by shipping. If there is damage caused by transportation, please do not use this lamp.

And contact the distributor or manufacturer as soon as possible.

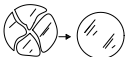
- This product is suitable for indoor use, its protection level is IP65, the lamp should be kept clean, avoid use in wet or excessive dust environment.

Should be carried out every three months: maintenance.

- Please do not install the lamp directly on the surface of ordinary combustible substances. 
- Only qualified professionals can install, operate and maintain the luminaire, and ensure that the operation is strictly in accordance with the procedures described in this operating instruction manual.
- Do not project the luminaire directly on combustible objects, and keep the distance between the luminaire and the illuminated object at more than 3 meters. ☞ 3m ☞
- Do not look directly at the light source of the luminaire (especially for people with epilepsy) to avoid eye damage!
- Please do not open the lamp to repair yourself, and do not make any changes to the structure of the lamp.
- The person who connects the electrical part must have the corresponding qualification to operate.
- Before installation, please make sure that the power supply voltage you are using matches the voltage marked on the lamp.
- Each luminaire should be properly grounded and electrically installed in accordance with the relevant standards.
- Do not connect this luminaire to any other dimming device.
- When the lamp is suspended at a high height, for safety reasons, please pass the safety rope equipped with the lamp through the handle or related parts for auxiliary lifting.

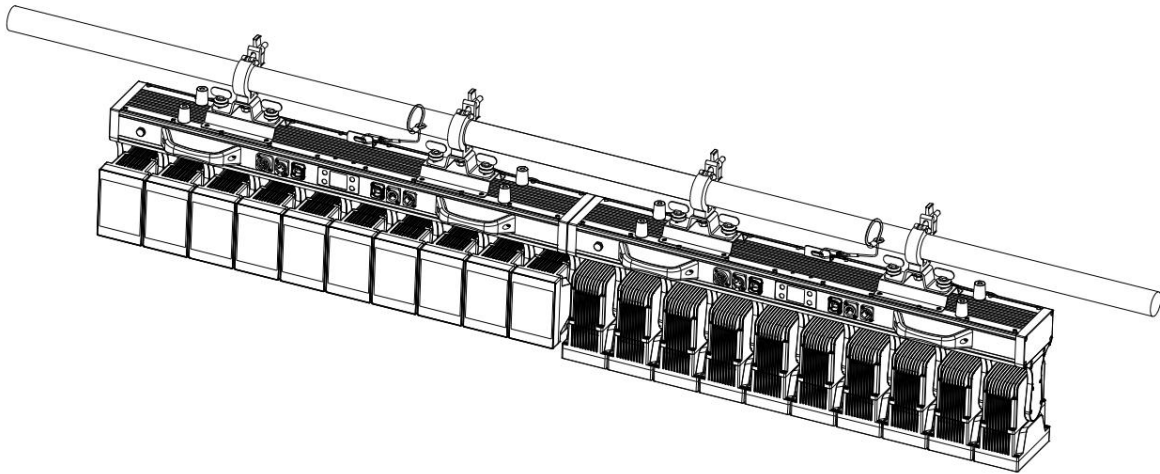
For specific installation methods, please refer to the relevant parts of this manual.

- When the LED lens and glass cover are seriously scratched or cracked, they need to be replaced.

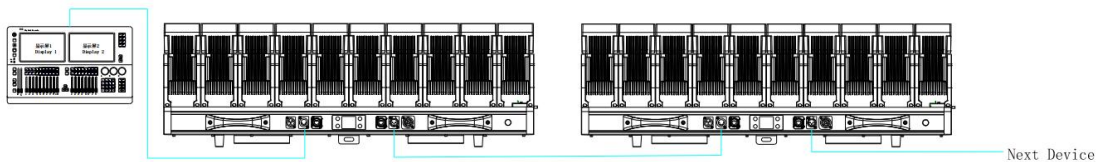


- After 5 minutes of work, the external surface temperature of the lamp is 45 ° C, and the external surface temperature of the lamp is 60 ° C after the lamp is stable (after constant temperature).
- There are no repairable parts inside the luminaire. Before starting to operate the light fixture, please check that all cover plates (or housings) are installed.
- Whether the screws have been reliably tightened. Do not use the light fixture with the cover (or housing) open.
- If you have any questions or suggestions, please contact the distributor or manufacturer in time.

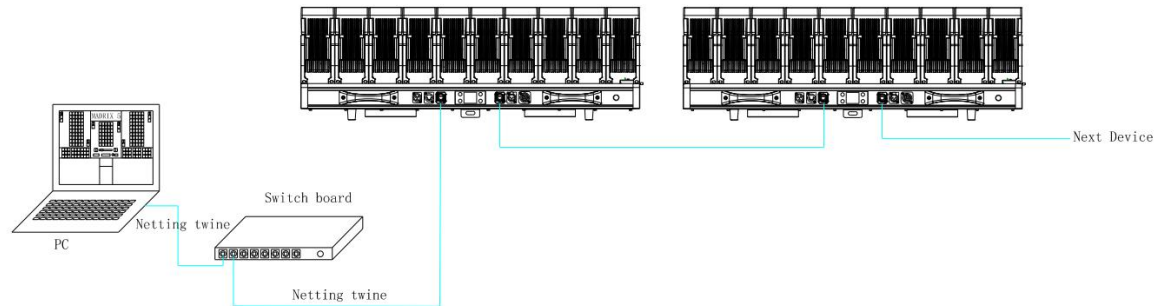
Structure and Installation



DMX connection



Art-Net~SACN connection



- In order to reduce signal errors and avoid signal weakening and interference during transmission,

A 120 ohm 1/4W resistor can be added between the 2 and 3 pins on the DMX output of the last machine.

- Connect the lamp with XLR signal cable, and connect one end to the output port of the lamp.

The other end is connected to the input port of the next luminaire. Signal lines can only be used in series, not in parallel.

Because the DMX512 signal transmission speed is very fast, when the signal line is damaged, the welding is not firm, the contact is not good, etc.

will affect the signal transmission and cause the system to shut down.

- When the machine power supply of a certain unit is disconnected, the connection between the DMX output and the input is bypassed.

In order to maintain the DMX line connectivity.

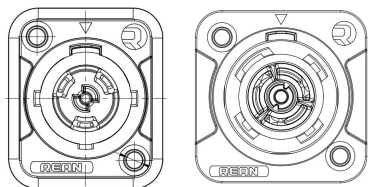
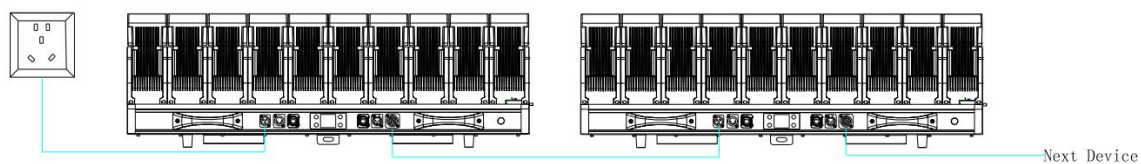
- Each lamp should have an address code to receive information from the console.
- The terminal of the DMX512 system needs to be equipped with a terminator to reduce signal transmission errors.

DMX Address settings

Channel	Address	First address	Second address	Third address	Fourth address
33CH	001-033	001	034	068	102
60CH	001-060	001	061	122	183
239CH	001-239	001	240	479	
260CH	001-260	001	261		
306CH	001-306	001	307		
326CH	001-326	001	327		
331CH	001-331	001	332		
340CH	001-340	001	341		

(refer to the image above) Number of lamps added from the 4th; Address code according to the channel, push in turn

Cable Connection

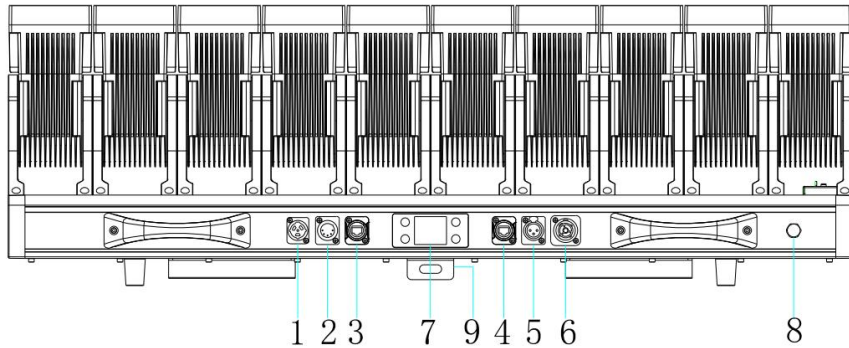


This product uses power in/out
 Connect the power cord hand-in-hand
 Note: One 1.5 square power cord due to power
 Pack up to 2 PCS (230V) Pack up to 1 PCS (110V)



Do not connect too many lamps with a single power cord, or overload the work.
 Do not use the power cord whose insulation layer has been damaged, and do not put the power cord on other wires.
 When the lamp is not in use or clean, please remove the power cord.
 Do not unplug or drag the power cord.

Control Panel



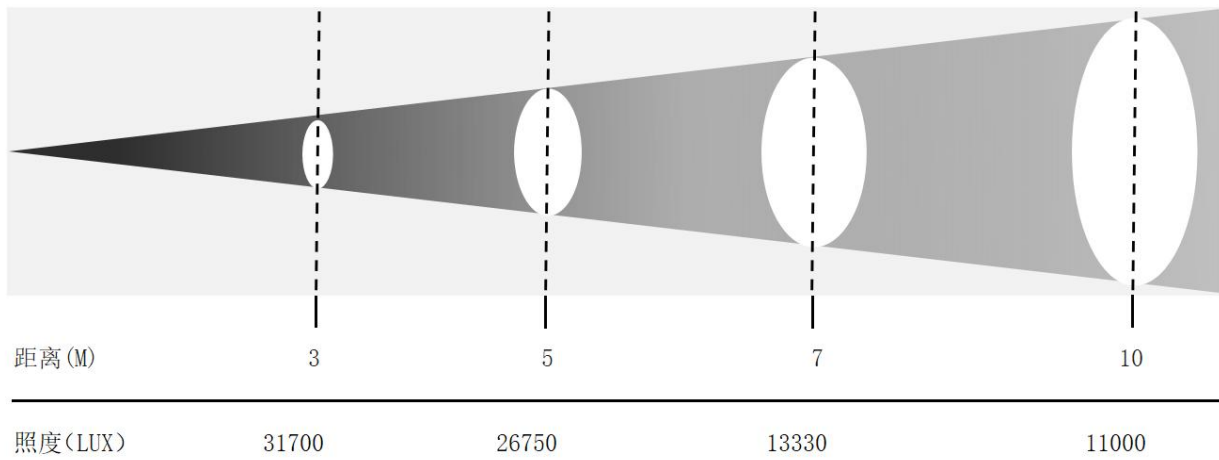
1. Power input: REAN IP65 waterproof POWER IN power input voltage: 100-240V 50/60HZ
2. DMX input: REAN IP65 3-core, 5-core DMX IN signal input
3. Network input: REAN IP65 waterproof RRE8F IN network input
4. Network output: REAN IP65 waterproof RRE8F OUT network output
5. DMX output: REAN IP65 3-core, 5-core DMX OUT signal output
6. Power output: REAN IP65 waterproof POWER OUT power supply connection output voltage 100-240V 50/60HZ
7. Control the menu panel
8. a breathable valve Safety hooks

Panel function operation table below:

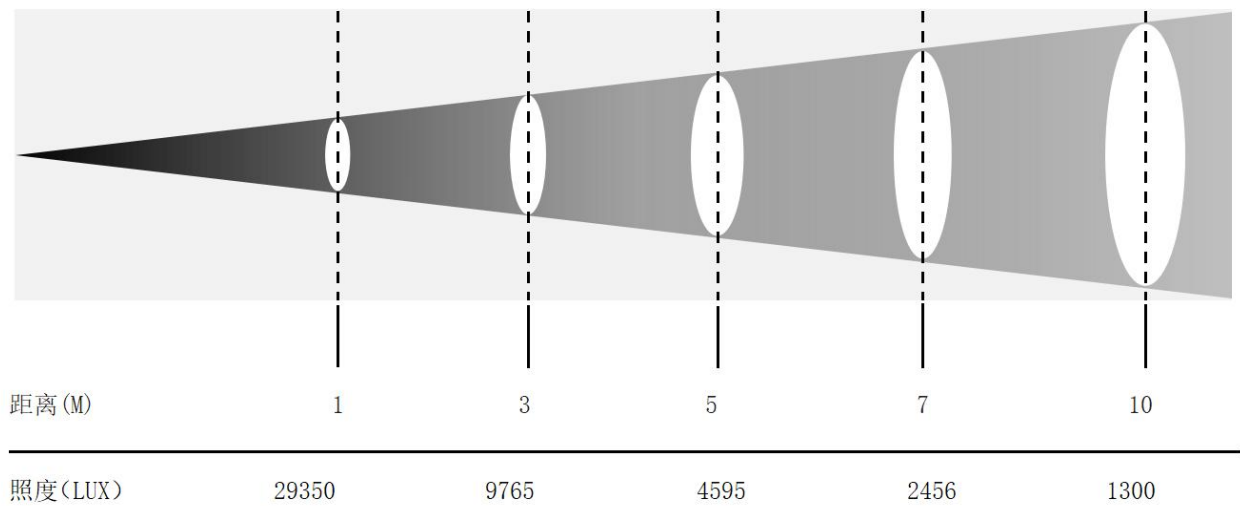
Features	Instructions	Function description	Function
MENU (function key)	Menu selection	Go to the menu selection function	Menu Operation
ENTER (confirm key)	Confirm	Confirm the selected function	Save the final parameters
UP (up key)	Up	Go to the previous option	Change parameters Increase
DOWN (down key)	Down	Go to the latter option	Change parameter Reduce

Photometry

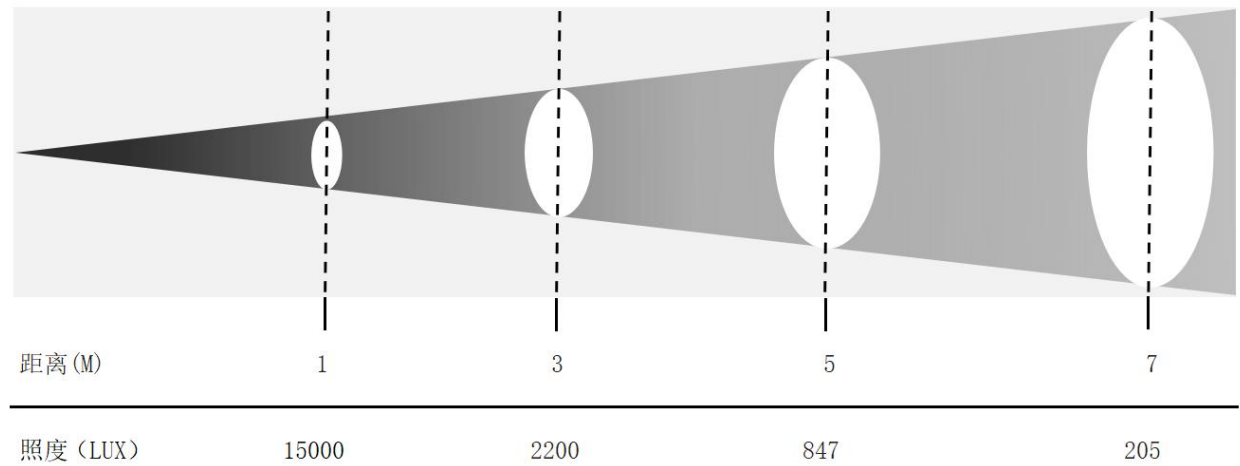
RGBW 小光束角度: 4°



RGBW 大光束角度: 30°



CW+WW 光束角度: 108°



Action menu

Access the Main menu Password: 8888

NO.	Level 1 Menu	Secondary menu	Third level menu	Fourth level Menu
1	Protocol	DMX 512		
		Art-Net		
		SACN		
		Art-Net+DMX		
		SACN+DMX		
2	DMX address	001-512	001	
	Channel mode	Single channel mode	33CH	
			60CH	
			239CH	
			260CH	
			306CH	
			326CH	
		Advanced channel mode	331CH	
			340CH	
		DMX+NET mode	12CH+200CH	
			39CH+200CH	
			61CH+200CH	
			66CH+200CH	
			12CH+240CH	
			39CH+240CH	
			61CH+240CH	
			66CH+240CH	
	Stand alone	Tilt		
		P/T Speed		
		Dimmer		
		Shutter		
		Zoom		
		Red		
		Green		
		Blue		
		White		
		WW		
		CW		
		WW		
		CW		
	Auto	Auto 1	<100>	
		Auto 1	<100>	
		Auto 1	<100>	
	Master/Slave	Master		
		Slave		
	Net settings	Art-Net		

		Art-Net		
		Art-Net		
		SACN		
		Start Channel		
		IP Address		
	Tilt Invert	No		
		Yes		
	Zoom Invert	No		
		Yes		
	Tilt angle	200° range		
		180° range		
		60° range		
	Tilt Inspection	On		
		Off		
	Redshift	On		
		Off		
	Color Mode	RGBW		
		CMY		
	Pixel Flip	RGBW invert		
		WW invert		
		CW invert		
	Display Flip	No		
		Yes		
	Dimmer Curve	Linear/		
		S-Curve		
		Square		
		Inverse Square		
	Dimmer Response	Off/		
		Dimmer 1		
		Dimmer 2		
		Dimmer 3		
	DMX Hold	Off		
		On		
	RAW Balance	Off		
		Red	0-255	
		Green	0-255	
		Blue	0-255	
		White	0-255	
	LED frequency	600Hz		
		1200Hz		
		2000Hz		
		4000Hz		
		6000Hz		
		25000Hz		
	Power setting	Illumination		
		Boost		
	Backlight	10S		

		30S		
		2Min		
		Always On		
	Auto lock	On	8888	
		Off		
	Language	English		
		中文		
	Motor reset	All		
		Tilt		
		Zoom		
	System information	Fixture Hours	000	
		LED Hours/	000	
		Disp Ver	V1.0	
		Drv Ver	V2.0	
		UID	0991H	
		Holl Status	Tilt holl 1	
			Zoom holl 1	
			
			Tilt holl 10	
			Zoom holl 10	
		Warning		
		Permission time		
	Temperature	1 Beam Temp: 40°C		
		2 Beam Temp: 40°C		
		3 Beam Temp: 40°C		
		4 Beam Temp: 40°C		
		5 Beam Temp: 40°C		
		6 Beam Temp: 40°C		
		7 Beam Temp: 40°C		
		8 Beam Temp: 40°C		
		9 Beam Temp: 40°C		
		10 Beam Temp: 40°C		
	Factory setting	Factory Reset	No	
			Yes	
		Motor Calibration	Tilt 1	
			Zoom 1	
			
			Tilt 10	
			Zoom 10	
		Color Calibration	R1	
			G1	
			B1	
			...	
			R10	
			G10	
			B10	

Note:

1. Only one machine can be set as the host in the same signal line. Please remove the DMX control signal when using the host function
2. in the synchronous control of multiple lamps can be transferred from the host parameters include: DMX channel mode, display setting state, operating mode state (including user program data), for parameter transfer, please set the machine as the host, other machines set as the slave machine

DMX channel table

Control channel assignment or single control mode

33CH Single Control Channel (Easy Mode)

CH	Function	Value	Percent/Setting
1	Tilt 1-10	000-255	0–100%
2	Fine tilt 1-10	000-255	0–100%
3	Tilt speed	000-255	Fast to slow
4	Tilt macro	000-004	No function
		005-255	See Tilt Macro
5	CTC	000	No function
		001-255	From 19000K to 2700K
6	Color macro	000-019	No function
		020-255	See Color Chart
7	Pattern (See Patterns)	000	No function
		001-002	Pattern 1–255
8	LED built-in	000-015	No function
		016-255	See LED Macro
9	LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
10	LED built-in delay	000-255	Fast to slow
11	Background color	000-019	No function
		020-255	See Color Chart
12	Background color dimmer	000-255	0–100%
13	Top Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
14	Top Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
15	Top Secondary light LED built-in delay	000-255	Fast to slow
16	Bottom Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
17	Bottom Secondary light LED built-in	000-127	Fast to slow

	speed	128	Stop
		020-255	Slow to fast
18	Bottom Secondary light LED built-in delay	000-255	Fast to slow
19	Key Light Dimmer	000-255	0–100%
20	Top Secondary light Dimmer	000-255	0–100%
21	Bottom Secondary light Dimmer	000-255	0–100%
22	Key Light Strobe	000-019	Off
		020-255	See Strobe Settings
23	Top Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
24	Bottom Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
		020-255	See Strobe Settings
25	Zoom 1-10	000-255	0–100%
26	Control	000-009	No Function
		010-255	See Control Settings
27	Red Cyan	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
28	Green Magenta	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
29	Blue Yellow	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
30	White	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
31	Top-CW	000-255	0–100%
32	Top-WW	000-255	0–100%
33	Bottom-W	000-255	0–100%
60CH Single Control Mode			
1	Tilt 1	000-255	0–100%
2	Fine tilt 1	000-255	0–100%
3	Tilt 2	000-255	0–100%
4	Fine tilt 2	000-255	0–100%
5	Tilt 3	000-255	0–100%
6	Fine tilt 3	000-255	0–100%
7	Tilt 4	000-255	0–100%
8	Fine tilt 4	000-255	0–100%
9	Tilt 5	000-255	0–100%
10	Fine tilt 5	000-255	0–100%
11	Tilt 6	000-255	0–100%
12	Fine tilt 6	000-255	0–100%
13	Tilt 7	000-255	0–100%
14	Fine tilt 7	000-255	0–100%

15	Tilt 8	000-255	0–100%
16	Fine tilt 8	000-255	0–100%
17	Tilt 9	000-255	0–100%
18	Fine tilt 9	000-255	0–100%
19	Tilt 10	000-255	0–100%
20	Fine tilt 10	000-255	0–100%
21	Tilt speed	000-255	Fast to slow
22	Tilt macro	000-004	No function
		005-255	See Tilt Macro
23	CTC	000	No function
		001-255	From 19000K to 2700K
24	Color macro	000-019	No function
		020-255	See Color Chart
25	Pattern (See Patterns)	000	No function
		001-002	Pattern 1–255
26	LED built-in	000-015	No function
		016-255	See RGBW LED Macro
27	LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
28	LED built-in delay	000-255	Fast to slow
29	Background color	000-019	No function
		020-255	See RGBW Color Chart
30	Background color dimmer	000-255	0–100%
31	Top Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
32	Top Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
33	Top Secondary light LED built-in delay	000-255	Fast to slow
34	Bottom Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
35	Bottom Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
36	Bottom Secondary light LED built-in delay	000-255	Fast to slow
37	Key Light Dimmer	000-255	0–100%
38	Top Secondary light Dimmer	000-255	0–100%
39	Bottom Secondary light Dimmer	000-255	0–100%
40	Key Light Strobe	000-019	Off
		020-255	See Strobe Settings
41	Top Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings

42	Bottom Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
43	Zoom 1	000-255	0–100%
44	Zoom 2	000-255	0–100%
45	Zoom 3	000-255	0–100%
46	Zoom 4	000-255	0–100%
47	Zoom 5	000-255	0–100%
48	Zoom 6	000-255	0–100%
49	Zoom 7	000-255	0–100%
50	Zoom 8	000-255	0–100%
51	Zoom 9	000-255	0–100%
52	Zoom 10	000-255	0–100%
53	Control	000-009	No Function
		010-255	See Control Settings
54	Red Cyan	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
55	Green Magenta	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
56	Blue Yellow	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	White	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	Top-CW	000-255	0–100%
59	Top-WW	000-255	0–100%
60	Bottom-CW	000-255	0–100%
239CH Single Control Mode			
1	Tilt 1	000-255	0-100%
2	Fine tilt 1	000-255	0-100%
3	Tilt 2	000-255	0-100%
4	Fine tilt 2	000-255	0-100%
5	Tilt 3	000-255	0-100%
6	Fine tilt 3	000-255	0-100%
7	Tilt 4	000-255	0-100%
8	Fine tilt 4	000-255	0-100%
9	Tilt 5	000-255	0-100%
10	Fine tilt 5	000-255	0-100%
11	Tilt 6	000-255	0-100%
12	Fine tilt 6	000-255	0-100%
13	Tilt 7	000-255	0-100%
14	Fine tilt 7	000-255	0-100%
15	Tilt 8	000-255	0-100%
16	Fine tilt 8	000-255	0-100%

17	Tilt 9	000-255	0-100%
18	Fine tilt 9	000-255	0-100%
19	Tilt 10	000-255	0-100%
20	Fine tilt 10	000-255	0-100%
21	Tilt speed	000-255	0-100%
22	Key Light Dimmer	000-255	0-100%
23	Key Light Fine dimmer	000-255	0-100%
24	Top Secondary light Dimmer	000-255	0-100%
25	Bottom Secondary light Dimmer	000-255	0-100%
26	Key Light Strobe	000-019	Off
		020-255	See Strobe Settings
27	Top Secondary Strobe	000-019	Off
		020-255	See Strobe Settings
28	Bottom Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
29	Zoom 1	000-255	0-100%
30	Zoom 2	000-255	0-100%
31	Zoom 3	000-255	0-100%
32	Zoom 4	000-255	0-100%
33	Zoom 5	000-255	0-100%
34	Zoom 6	000-255	0-100%
35	Zoom 7	000-255	0-100%
36	Zoom 8	000-255	0-100%
37	Zoom 9	000-255	0-100%
38	Zoom 10	000-255	0-100%
39	Control	000-009	No Function
		010-255	See Control Settings
40	Red 1	000-255	RGBW Mode: 0 – 100%
41	Green 1	000-255	RGBW Mode: 0 – 100%
42	Blue 1	000-255	RGBW Mode: 0 – 100%
43	White 1	000-255	RGBW Mode: 0 – 100%
..		
76	Red 10	000-255	RGBW Mode: 0 – 100%
77	Green 10	000-255	RGBW Mode: 0 – 100%
78	Blue 10	000-255	RGBW Mode: 0 – 100%
79	White 10	000-255	RGBW Mode: 0 – 100%
80	Top-CW1	000-255	0 – 100%
81	Top-WW1	000-255	0 – 100%
...		
198	Top-CW60	000-255	0 – 100%
199	Top-WW60	000-255	0 – 100%
200	Bottom1-CW1	000-255	0 – 100%
...		

239	Bottom1-CW40	000-255	0 – 100%
260CH Single Control Mode			
1	Tilt 1	000-255	0–100%
2	Fine tilt 1	000-255	0–100%
3	Tilt 2	000-255	0–100%
4	Fine tilt 2	000-255	0–100%
5	Tilt 3	000-255	0–100%
6	Fine tilt 3	000-255	0–100%
7	Tilt 4	000-255	0–100%
8	Fine tilt 4	000-255	0–100%
9	Tilt 5	000-255	0–100%
10	Fine tilt 5	000-255	0–100%
11	Tilt 6	000-255	0–100%
12	Fine tilt 6	000-255	0–100%
13	Tilt 7	000-255	0–100%
14	Fine tilt 7	000-255	0–100%
15	Tilt 8	000-255	0–100%
16	Fine tilt 8	000-255	0–100%
17	Tilt 9	000-255	0–100%
18	Fine tilt 9	000-255	0–100%
19	Tilt 10	000-255	0–100%
20	Fine tilt 10	000-255	0–100%
21	Tilt speed	000-255	Fast to slow
22	Tilt macro	000-004	No function
		005-255	See Tilt Macro
23	CTC	000	No function
		001-255	From 19000K to 2700K
24	Color macro	000-019	No function
		020-255	See Color Chart
25	Pattern (See Patterns)	000	No function
		001-002	Pattern 1–255
26	LED built-in	000-015	No function
		016-255	See RGBW LED Macro
27	LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
28	LED built-in delay	000-255	Fast to slow
29	Background color	000-019	No function
		020-255	See RGBW Color Chart
30	Background color dimmer	000-255	0–100%
31	Top Secondary light LED built-in	000-015	No function
		016-255	See LED Macro

32	Top Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
33	Top Secondary light LED built-in delay	000-255	Fast to slow
34	Bottom Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
35	Bottom Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
36	Bottom Secondary light LED built-in delay	000-255	Fast to slow
37	Key Light Dimmer	000-255	0–100%
38	Top Secondary light Dimmer	000–255	0 – 100%
39	Bottom Secondary light Dimmer	000–255	0 – 100%
40	Key Light Strobe	000–019	Off
		020–255	See Strobe Settings
41	Top Secondary light strobe	000–019	Off
		020–255	See Strobe Settings
42	Bottom Secondary light strobe	000–019	Off
		020–255	See Strobe Settings
43	Zoom 1	000-255	0–100%
44	Zoom 2	000-255	0–100%
45	Zoom 3	000-255	0–100%
46	Zoom 4	000-255	0–100%
47	Zoom 5	000-255	0–100%
48	Zoom 6	000-255	0–100%
49	Zoom 7	000-255	0–100%
50	Zoom 8	000-255	0–100%
51	Zoom 9	000-255	0–100%
52	Zoom 10	000-255	0–100%
53	Control	000-009	No Function
		010-255	See Control Settings
54	Red Cyan	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
55	Green Magenta	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
56	Blue Yellow	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	White	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	Top-CW	000-255	0–100%
59	Top-WW	000-255	0–100%
60	Bottom-CW	000-255	0–100%

61	Red 1	Cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
62	Green 1	Magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
63	Blue 1	Yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
64	White 1		000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
...	
97	Red 10	Cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
98	Green 10	Magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
99	Blue 10	Yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
100	White 10		000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
101	Top-CW1		000-255	0–100%
102	Top-WW1		000-255	0–100%
103	Top-CW2		000-255	0–100%
104	Top-WW2		000-255	0–100%
105	Top-CW3		000-255	0–100%
106	Top-WW3		000-255	0–100%
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155	Top-CW28		000-255	0–100%
156	Top-WW28		000-255	0–100%
157	Top-CW29		000-255	0–100%
158	Top-WW29		000-255	0–100%
159	Top-CW30		000-255	0–100%
160	Top-WW30		000-255	0–100%
161	Top-CW31		000-255	0–100%
162	Top-WW31		000-255	0–100%
163	Top-CW32		000-255	0–100%
164	Top-WW32		000-255	0–100%
165	Top-CW33		000-255	0–100%
166	Top-WW33		000-255	0–100%
...	
...	
215	Top-CW58		000-255	0–100%
216	Top-WW58		000-255	0–100%
217	Top-CW59		000-255	0–100%
218	Top-WW59		000-255	0–100%

219	Top-CW60	000-255	0–100%
220	Top-VW60	000-255	0–100%
221	Bottom1-W1	000-255	0–100%
222	Bottom1-W2	000-255	0–100%
223	Bottom1-W3	000-255	0–100%
224	Bottom1-W4	000-255	0–100%
...
257	Bottom1-W37	000-255	0–100%
258	Bottom1-W38	000-255	0–100%
259	Bottom1-W39	000-255	0–100%
260	Bottom1-W40	000-255	0–100%
306CH Single Control Mode			
1	Tilt 1	000-255	0–100%
2	Fine tilt 1	000-255	0–100%
3	Tilt 2	000-255	0–100%
4	Fine tilt 2	000-255	0–100%
5	Tilt 3	000-255	0–100%
6	Fine tilt 3	000-255	0–100%
7	Tilt 4	000-255	0–100%
8	Fine tilt 4	000-255	0–100%
9	Tilt 5	000-255	0–100%
10	Fine tilt 5	000-255	0–100%
11	Tilt 6	000-255	0–100%
12	Fine tilt 6	000-255	0–100%
13	Tilt 7	000-255	0–100%
14	Fine tilt 7	000-255	0–100%
15	Tilt 8	000-255	0–100%
16	Fine tilt 8	000-255	0–100%
17	Tilt 9	000-255	0–100%
18	Fine tilt 9	000-255	0–100%
19	Tilt 10	000-255	0–100%
20	Fine tilt 10	000-255	0–100%
21	Tilt speed	000-255	Fast to slow
22	Tilt macro	000-004	No function
		005-255	See Tilt Macro
23	CTC	000	No function
		001-255	From 19000K to 2700K
24	Color macro	000-019	No function
		020-255	See Color Chart
25	Pattern (See Patterns)	000	No function
		001-002	Pattern 1–255
26	LED built-in	000-015	No function

		016-255	See RGBW LED Macro
27	LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
28	LED built-in delay	000-255	Fast to slow
29	Background color	000-019	No function
		020-255	See RGBW Color Chart
30	Background color dimmer	000-255	0–100%
31	Background color fine dimmer	000-255	0–100%
32	Top Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
33	Top Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
34	Top Secondary light LED built-in delay	000-255	Fast to slow
35	Bottom Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
36	Bottom Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
37	Bottom Secondary light LED built-in delay	000-255	Fast to slow
38	Key Light Dimmer	000-255	0–100%
39	Key Light Fine dimmer	000-255	0–100%
40	Top Secondary light Dimmer	000-255	0–100%
41	Bottom Secondary light Dimmer	000-255	0–100%
42	Key Light Strobe	000-019	Off
		020-255	See Strobe Settings
43	Top Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
44	Bottom Secondary light Strobe	000-019	Off
		020-255	See Strobe
45	Zoom 1	000-255	0–100%
46	Zoom 2	000-255	0–100%
47	Zoom 3	000-255	0–100%
48	Zoom 4	000-255	0–100%
49	Zoom 5	000-255	0–100%
50	Zoom 6	000-255	0–100%
51	Zoom 7	000-255	0–100%
52	Zoom 8	000-255	0–100%
53	Zoom 9	000-255	0–100%
54	Zoom 10	000-255	0–100%
55	Control	000-009	No Function

		010-255	See Control Settings
56	Red Cyan	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	Fine red Fine cyan	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	Green Magenta	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
59	Fine green Fine magenta	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
60	Blue Yellow	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
61	Fine blue Fine yellow	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
62	White	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
63	Fine white	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
64	Top-CW	000-255	0–100%
65	Top-WW	000-255	0–100%
66	Bottom-CW	000-255	0–100%
67	Red 1 Cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
68	Fine red 1 Fine cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
69	Green 1 Magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
70	Fine green 1 Fine magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
71	Blue 1 Yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
72	Fine blue 1 Fine yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
73	White 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
74	Fine white 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
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139	Red 10 Cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
140	Fine red 10 Fine cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
141	Green 10 Magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
142	Fine green 10 Fine magenta 10	000-255	RGBW Mode: 0–100%

			/ CMY Mode: 100–0%
143	Blue 10 Yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
144	Fine blue 10 Fine yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
145	White 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
146	Fine white 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
147	Top-CW1	000-255	0–100%
148	Top-WW1	000-255	0–100%
149	Top-CW2	000-255	0–100%
150	Top-WW2	000-255	0–100%
151	Top-CW3	000-255	0–100%
152	Top-WW3	000-255	0–100%
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201	Top-CW28	000-255	0–100%
202	Top-WW28	000-255	0–100%
203	Top-CW29	000-255	0–100%
204	Top-WW29	000-255	0–100%
205	Top-CW30	000-255	0–100%
206	Top-WW30	000-255	0–100%
207	Top-CW31	000-255	0–100%
208	Top-WW31	000-255	0–100%
209	Top-CW32	000-255	0–100%
210	Top-WW32	000-255	0–100%
211	Top-CW33	000-255	0–100%
212	Top-WW33	000-255	0–100%
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261	Top-CW58	000-255	0–100%
262	Top-WW58	000-255	0–100%
263	Top-CW59	000-255	0–100%
264	Top-WW59	000-255	0–100%
265	Top-CW60	000-255	0–100%
266	Top-WW60	000-255	0–100%
267	Bottom1-W1	000-255	0–100%
268	Bottom1-W2	000-255	0–100%
269	Bottom1-W3	000-255	0–100%
270	Bottom1-W4	000-255	0–100%
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303	Bottom1-W37	000-255	0–100%
304	Bottom1-W38	000-255	0–100%
305	Bottom1-W39	000-255	0–100%
306	Bottom1-W40	000-255	0–100%
326CH Single Control Mode			
1	Tilt 1	000-255	0–100%
2	Fine tilt 1	000-255	0–100%
3	Tilt 2	000-255	0–100%
4	Fine tilt 2	000-255	0–100%
5	Tilt 3	000-255	0–100%
6	Fine tilt 3	000-255	0–100%
7	Tilt 4	000-255	0–100%
8	Fine tilt 4	000-255	0–100%
9	Tilt 5	000-255	0–100%
10	Fine tilt 5	000-255	0–100%
11	Tilt 6	000-255	0–100%
12	Fine tilt 6	000-255	0–100%
13	Tilt 7	000-255	0–100%
14	Fine tilt 7	000-255	0–100%
15	Tilt 8	000-255	0–100%
16	Fine tilt 8	000-255	0–100%
17	Tilt 9	000-255	0–100%
18	Fine tilt 9	000-255	0–100%
19	Tilt 10	000-255	0–100%
20	Fine tilt 10	000-255	0–100%
21	Tilt speed	000-255	Fast to slow
22	Tilt macro	000-004	No function
		005-255	See Tilt Macro
23	CTC	000	No function
		001-255	From 19000K to 2700K
24	Color macro	000-019	No function
		020-255	See Color Chart
25	Pattern (See Patterns)	000	No function
		001-002	Pattern 1–255
26	LED built-in	000-015	No function
		016-255	See RGBW LED Macro
27	LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
28	LED built-in delay	000-255	Fast to slow
29	Background color	000-019	No function
		020-255	See RGBW Color Chart

30	Background color dimmer	000-255	0–100%
31	Background color fine dimmer	000-255	0–100%
32	Top Secondary light LED built-in	000-015	No function
33	Top Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
34	Top Secondary light LED built-in delay	000-255	Fast to slow
35	Bottom Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
36	Bottom Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
37	Bottom Secondary light LED built-in delay	000-255	Fast to slow
38	Key Light Dimmer	000-255	0–100%
39	Key Light Fine dimmer	000-255	0–100%
40	Top Secondary light Dimmer	000-255	0–100%
41	Bottom Secondary light Dimmer	000-255	0–100%
42	Key Light Strobe	000-019	Off
		020-255	See Strobe Settings
43	Top Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
44	Bottom Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
45	Zoom 1	000-255	0–100%
46	Zoom 2	000-255	0–100%
47	Zoom 3	000-255	0–100%
48	Zoom 4	000-255	0–100%
49	Zoom 5	000-255	0–100%
50	Zoom 6	000-255	0–100%
51	Zoom 7	000-255	0–100%
52	Zoom 8	000-255	0–100%
53	Zoom 9	000-255	0–100%
54	Zoom 10	000-255	0–100%
55	Control White	000-009	No Function
		010-255	See Control Settings
56	Red Cyan	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	Fine red Fine cyan	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	Green Magenta	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
59	Fine green Fine magenta	000-255	RGBW Mode: 0–100%

			/ CMY Mode: 100–0%
60	Blue Yellow	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
61	Fine blue Fine yellow	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
62	White	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
63	Fine white	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
64	Top-CW	000-255	0–100%
65	Top-WW	000-255	0–100%
66	Bottom-CW	000-255	0–100%
67	Dimmer 1	000-255	0–100%
68	Fine dimmer 1	000-255	0–100%
69	Red 1 Cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
70	Fine red 1 Fine cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
71	Green 1 Magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
72	Fine green 1 Fine magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
73	Blue 1 Yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
74	Fine blue 1 Fine yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
75	White 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
76	Fine white 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
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157	Dimmer 10	000-255	0–100%
158	Fine dimmer 10	000-255	0–100%
159	Red 10 Cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
160	Fine red 10 Fine cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
161	Green 10 Magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
162	Fine green 10 Fine magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
163	Blue 10 Yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%

164	Fine blue 10 Fine yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
165	White 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
166	Fine white 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
167	Top-CW1	000-255	0–100%
168	Top-WW1	000-255	0–100%
169	Top-CW2	000-255	0–100%
170	Top-WW2	000-255	0–100%
171	Top-CW3	000-255	0–100%
172	Top-WW3	000-255	0–100%
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221	Top-CW28	000-255	0–100%
222	Top-WW28	000-255	0–100%
223	Top-CW29	000-255	0–100%
224	Top-WW29	000-255	0–100%
225	Top-CW30	000-255	0–100%
226	Top-WW30	000-255	0–100%
227	Top-CW31	000-255	0–100%
228	Top-WW31	000-255	0–100%
229	Top-CW32	000-255	0–100%
230	Top-WW32	000-255	0–100%
231	Top-CW33	000-255	0–100%
232	Top-WW33	000-255	0–100%
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281	Top-CW58	000-255	0–100%
282	Top-WW58	000-255	0–100%
283	Top-CW59	000-255	0–100%
284	Top-WW59	000-255	0–100%
285	Top-CW60	000-255	0–100%
286	Top-WW60	000-255	0–100%
287	Bottom1-W1	000-255	0–100%
288	Bottom1-W2	000-255	0–100%
289	Bottom1-W3	000-255	0–100%
290	Bottom1-W4	000-255	0–100%
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323	Bottom1-W37	000-255	0–100%
324	Bottom1-W38	000-255	0–100%
325	Bottom1-W39	000-255	0–100%

326	Bottom1-W40	000-255	0–100%
12CH Dual control with tilt (simple mode)			
1	Tilt 1-10	000-255	0–100%
2	Fine tilt 1-10	000-255	0–100%
3	Tilt speed	000-255	Fast to slow
4	Tilt macro	000-004	No function
		005-255	See Tilt Macro
5	Key light Dimmer	000-255	0–100%
6	Top Secondary light Dimmer	000-255	0–100%
7	Bottom Secondary light Dimmer	000-255	0–100%
8	Key light Strobe	000-019	Off
		020-255	See Strobe Settings
9	Top Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
10	Bottom Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
11	Zoom 1-10	000-255	0–100%
12	Control	000-009	No Function
		010-255	See Control Settings
39CH Dual control with tilt (simple mode)			
1	Tilt 1	000-255	0–100%
2	Fine tilt 1	000-255	0–100%
3	Tilt 2	000-255	0–100%
4	Fine tilt 2	000-255	0–100%
5	Tilt 3	000-255	0–100%
6	Fine tilt 3	000-255	0–100%
7	Tilt 4	000-255	0–100%
8	Fine tilt 4	000-255	0–100%
9	Tilt 5	000-255	0–100%
10	Fine tilt 5	000-255	0–100%
11	Tilt 6	000-255	0–100%
12	Fine tilt 6	000-255	0–100%
13	Tilt 7	000-255	0–100%
14	Fine tilt 7	000-255	0–100%
15	Tilt 8	000-255	0–100%
16	Fine tilt 8	000-255	0–100%
17	Tilt 9	000-255	0–100%
18	Fine tilt 9	000-255	0–100%
19	Tilt 10	000-255	0–100%

20	Fine tilt 10	000-255	0–100%
21	Tilt speed	000-255	Fast to slow
22	Tilt macro	000-004	No function
		005-255	See Tilt Macro
23	Key light Dimmer	000-255	0–100%
24	Top secondary light Dimmer	000-255	0–100%
25	Bottom secondary light Dimmer	000-255	0–100%
26	Key light Strobe	000-019	Off
		020-255	See Strobe Settings
27	Top secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
28	Bottom secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
29	Zoom 1	000-255	0–100%
30	Zoom 2	000-255	0–100%
31	Zoom 3	000-255	0–100%
32	Zoom 4	000-255	0–100%
33	Zoom 5	000-255	0–100%
34	Zoom 6	000-255	0–100%
35	Zoom 7	000-255	0–100%
36	Zoom 8	000-255	0–100%
37	Zoom 9	000-255	0–100%
38	Zoom 10	000-255	0–100%
39	Control	000-009	No Function
		010-255	See Control Settings
61CH Dual control with tilt (simple mode)			
1	Tilt 1	000-255	0–100%
2	Fine tilt 1	000-255	0–100%
3	Tilt 2	000-255	0–100%
4	Fine tilt 2	000-255	0–100%
5	Tilt 3	000-255	0–100%
6	Fine tilt 3	000-255	0–100%
7	Tilt 4	000-255	0–100%
8	Fine tilt 4	000-255	0–100%
9	Tilt 5	000-255	0–100%
10	Fine tilt 5	000-255	0–100%
11	Tilt 6	000-255	0–100%
12	Fine tilt 6	000-255	0–100%
13	Tilt 7	000-255	0–100%
14	Fine tilt 7	000-255	0–100%
15	Tilt 8	000-255	0–100%
16	Fine tilt 8	000-255	0–100%

17	Tilt 9	000-255	0–100%
18	Fine tilt 9	000-255	0–100%
19	Tilt 10	000-255	0–100%
20	Fine tilt 10	000-255	0–100%
21	Tilt speed	000-255	Fast to slow
22	Tilt macro	000-004	No function
		005-255	See Tilt Macro
23	CTC	000	No function
		001-255	From 10000K to 1800K
24	Color macro	000-019	No function
		020-255	See Color Chart
25	Pattern (See Patterns)	000	No function
		001-002	Pattern 1–255
26	LED built-in	000-015	No function
		016-255	See LED Macro
27	LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
28	LED built-in delay	000-255	Fast to slow
29	Background color	000-019	No function
		020-255	See Color Chart
30	Background color dimmer	000-255	0–100%
31	Background color fine dimmer	000-255	0–100%
32	Top Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
33	Top Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
34	Top Secondary light LED built-in delay	000-255	Fast to slow
35	Bottom Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
36	Bottom Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
37	Bottom Secondary light LED built-in delay	000-255	Fast to slow
38	Key Light Dimmer	000-255	0–100%
39	Top Secondary light Dimmer	000-255	0–100%
40	Bottom Secondary light Dimmer	000-255	0–100%
41	Key Light Strobe	000-019	Off
		020-255	See Strobe Settings
42	Top Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
43	Bottom Secondary light Strobe	000-019	Off

		020-255	See Strobe Settings
44	Zoom 1	000-255	0–100%
45	Zoom 2	000-255	0–100%
46	Zoom 3	000-255	0–100%
47	Zoom 4	000-255	0–100%
48	Zoom 5	000-255	0–100%
49	Zoom 6	000-255	0–100%
50	Zoom 7	000-255	0–100%
51	Zoom 8	000-255	0–100%
52	Zoom 9	000-255	0–100%
53	Zoom 10	000-255	0–100%
54	Control	000-009	No Function
		010-255	See Control Settings
55	Red Cyan	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
56	Green Magenta	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	Blue Yellow	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	White	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
59	Top-CW	000-255	0–100%
60	Top-WW	000-255	0–100%
61	Bottom-W	000-255	0–100%
66CH Dual control with tilt (simple mode)			
1	Tilt 1	000-255	0–100%
2	Fine tilt 1	000-255	0–100%
3	Tilt 2	000-255	0–100%
4	Fine tilt 2	000-255	0–100%
5	Tilt 3	000-255	0–100%
6	Fine tilt 3	000-255	0–100%
7	Tilt 4	000-255	0–100%
8	Fine tilt 4	000-255	0–100%
9	Tilt 5	000-255	0–100%
10	Fine tilt 5	000-255	0–100%
11	Tilt 6	000-255	0–100%
12	Fine tilt 6	000-255	0–100%
13	Tilt 7	000-255	0–100%
14	Fine tilt 7	000-255	0–100%
15	Tilt 8	000-255	0–100%
16	Fine tilt 8	000-255	0–100%
17	Tilt 9	000-255	0–100%

18	Fine tilt 9	000-255	0–100%
19	Tilt 10	000-255	0–100%
20	Fine tilt 10	000-255	0–100%
21	Tilt speed	000-255	Fast to slow
22	Tilt macro	000-004	No function
		005-255	See Tilt Macro
23	CTC	000	No function
		001-255	From 10000K to 1800K
24	Color macro	000-019	No function
		020-255	See Color Chart
25	Pattern (See Patterns)	000	No function
		001-002	Pattern 1–255
26	LED built-in	000-015	No function
		016-255	See LED Macro
27	LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
28	LED built-in delay	000-255	Fast to slow
29	Background color	000-019	No function
		020-255	See Color Chart
30	Background color dimmer	000-255	0–100%
31	Background color fine dimmer	000-255	0–100%
32	Top Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
33	Top Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
34	Top Secondary light LED built-in delay	000-255	Fast to slow
35	Bottom Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
36	Bottom Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
37	Bottom Secondary light LED built-in delay	000-255	Fast to slow
38	Key Light Dimmer	000-255	0–100%
39	Key Light Fine dimmer	000-255	0–100%
40	Top Secondary light Dimmer	000-255	0–100%
41	Bottom Secondary light Dimmer	000-255	0–100%
42	Key Light Strobe	000-019	Off
		020-255	See Strobe Settings
43	Top Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
44	Bottom Secondary light Strobe	000-019	Off

		020-255	See Strobe Settings
45	Zoom 1	000-255	0–100%
46	Zoom 2	000-255	0–100%
47	Zoom 3	000-255	0–100%
48	Zoom 4	000-255	0–100%
49	Zoom 5	000-255	0–100%
50	Zoom 6	000-255	0–100%
51	Zoom 7	000-255	0–100%
52	Zoom 8	000-255	0–100%
53	Zoom 9	000-255	0–100%
54	Zoom 10	000-255	0–100%
55	Control	000-009	No Function
		010-255	See Control Settings
56	Red Cyan	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
57	Fine red Fine cyan	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
58	Green Magenta	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
59	Fine green Fine magenta	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
60	Blue Yellow	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
61	Fine blue Fine yellow	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
62	White	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
63	Fine white	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
64	Top-CW	000-255	0–100%
65	Top-WW	000-255	0–100%
66	Bottom-W	000-255	0–100%
200CH Dual control with tilt (LED)			
1	Red 1 Cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
2	Green 1 Magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
3	Blue 1 Yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
4	White 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
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37	Red 10 Cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
38	Green 10 Magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
39	Blue 10 Yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
40	White 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
41	Top-CW1	000-255	0–100%
42	Top-WW1	000-255	0–100%
43	Top-CW2	000-255	0–100%
44	Top-WW2	000-255	0–100%
45	Top-CW3	000-255	0–100%
46	Top-WW3	000-255	0–100%
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65	Top-CW28	000-255	0–100%
66	Top-WW28	000-255	0–100%
67	Top-CW29	000-255	0–100%
68	Top-WW29	000-255	0–100%
69	Top-CW30	000-255	0–100%
70	Top-WW30	000-255	0–100%
71	Top-CW31	000-255	0–100%
72	Top-WW31	000-255	0–100%
73	Top-CW32	000-255	0–100%
74	Top-WW32	000-255	0–100%
75	Top-CW33	000-255	0–100%
76	Top-WW33	000-255	0–100%
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155	Top-CW58	000-255	0–100%
156	Top-WW58	000-255	0–100%
157	Top-CW59	000-255	0–100%
158	Top-WW59	000-255	0–100%
159	Top-CW60	000-255	0–100%
160	Top-WW60	000-255	0–100%
161	Bottom1-W1	000-255	0–100%
162	Bottom1-W2	000-255	0–100%
163	Bottom1-W3	000-255	0–100%
164	Bottom1-W4	000-255	0–100%
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197	Bottom1-W37	000-255	0–100%

198	Bottom1-W38	000-255	0–100%
199	Bottom1-W39	000-255	0–100%
200	Bottom1-W40	000-255	0–100%
240CH Dual control with tilt			
1	Red 1 Cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
2	Fine red 1 Fine cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
3	Green 1 Magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
4	Fine green 1 Fine magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
5	Blue 1 Yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
6	Fine blue 1 Fine yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
7	White 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
8	Fine white 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
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73	Red 10 Cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
74	Fine red 10 Fine cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
75	Green 10 Magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
76	Fine green 10 Fine magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
77	Blue 10 Yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
78	Fine blue 10 Fine yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
79	White 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
80	Fine white 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
81	Top-CW1	000-255	0–100%
82	Top-WW1	000-255	0–100%
83	Top-CW2	000-255	0–100%
84	Top-WW2	000-255	0–100%
85	Top-CW3	000-255	0–100%
86	Top-WW3	000-255	0–100%

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105	Top-CW28	000-255	0–100%
106	Top-WW28	000-255	0–100%
107	Top-CW29	000-255	0–100%
108	Top-WW29	000-255	0–100%
109	Top-CW30	000-255	0–100%
110	Top-WW30	000-255	0–100%
111	Top-CW31	000-255	0–100%
112	Top-WW31	000-255	0–100%
113	Top-CW32	000-255	0–100%
114	Top-WW32	000-255	0–100%
115	Top-CW33	000-255	0–100%
116	Top-WW33	000-255	0–100%
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195	Top-CW58	000-255	0–100%
196	Top-WW58	000-255	0–100%
197	Top-CW59	000-255	0–100%
198	Top-WW59	000-255	0–100%
199	Top-CW60	000-255	0–100%
200	Top-WW60	000-255	0–100%
201	Bottom1-W1	000-255	0–100%
202	Bottom1-W2	000-255	0–100%
203	Bottom1-W3	000-255	0–100%
204	Bottom1-W4	000-255	0–100%
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237	Bottom1-W37	000-255	0–100%
238	Bottom1-W38	000-255	0–100%
239	Bottom1-W39	000-255	0–100%
240	Bottom1-W40	000-255	0–100%
331CH Advanced channel			
1	Control	000-009	No Function
		010-255	See Control Settings
2	Tilt speed	000-255	Fast to slow
3	Tilt macro	000-004	No function
		005-255	See Tilt Macro
4	CTC	000	No function
		001-255	From 10000K to 1800K
5	Color macro	000-019	No function
		020-255	See Color Chart
6	Pattern (See Patterns)	000	No function

		001-002	Pattern 1–255
7	LED built-in	000-015	No function
		016-255	See LED Macro
8	LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
9	LED built-in delay	000-255	Fast to slow
10	Background color	000-019	No function
		020-255	See Color Chart
11	Background color dimmer	000-255	0–100%
12	Background color fine dimmer	000-255	0–100%
13	Top Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
14	Top Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
15	Top Secondary light LED built-in delay	000-255	Fast to slow
16	Bottom Secondary light LED built-in	000-015	No function
		016-255	See LED Macro
17	Bottom Secondary light LED built-in speed	000-127	Fast to slow
		128	Stop
		020-255	Slow to fast
18	Bottom Secondary light LED built-in delay	000-255	Fast to slow
19	Key Light Strobe	000-019	Off
		020-255	See Strobe Settings
20	Top Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
21	Bottom Secondary light Strobe	000-019	Off
		020-255	See Strobe Settings
22	Tilt 1	000-255	0–100%
23	Fine tilt 1	000-255	0–100%
24	Zoom 1	000-255	0–100%
25	Dimmer 1	000-255	0–100%
26	Fine dimmer 1	000-255	0–100%
27	Top Secondary light Dimmer 1	000-255	0–100%
28	Bottom Secondary light Dimmer 1	000-255	0–100%
29	Red 1 Cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
30	Fine red 1 Fine cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
31	Green 1 Magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
32	Fine green 1 Fine magenta 1	000-255	RGBW Mode: 0–100%

			/ CMY Mode: 100–0%
33	Blue 1 Yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
34	Fine blue 1 Fine yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
35	White 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
36	Fine white 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
37	Top1-CW1	000-255	0–100%
38	Top1-WW1	000-255	0–100%
39	Top1-CW2	000-255	0–100%
40	Top1-WW2	000-255	0–100%
41	Top1-CW3	000-255	0–100%
42	Top1-WW3	000-255	0–100%
43	Top1-CW4	000-255	0–100%
44	Top1-WW4	000-255	0–100%
45	Top1-CW5	000-255	0–100%
46	Top1-WW5	000-255	0–100%
47	Top1-CW6	000-255	0–100%
48	Top1-WW6	000-255	0–100%
49	Bottom1-W1	000-255	0–100%
50	Bottom1-W2	000-255	0–100%
51	Bottom1-W3	000-255	0–100%
52	Bottom1-W4	000-255	0–100%
...
301	Tilt 10	000-255	0–100%
302	Fine tilt 10	000-255	0–100%
303	Zoom 10	000-255	0–100%
304	Dimmer 10	000-255	0–100%
305	Fine dimmer 10	000-255	0–100%
306	Top Secondary light Dimmer 10	000-255	0–100%
307	Bottom Secondary light Dimmer 10	000-255	0–100%
308	Red 10 Cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
309	Fine red 10 Fine cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
310	Green 10 Magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
311	Fine green 10 Fine magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
312	Blue 10 Yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%

313	Fine blue 10 Fine yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
314	White 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
315	Fine white 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
316	Top10-CW1	000-255	0–100%
317	Top10-WW1	000-255	0–100%
318	Top10-CW2	000-255	0–100%
319	Top10-WW2	000-255	0–100%
320	Top10-CW3	000-255	0–100%
321	Top10-WW3	000-255	0–100%
322	Top10-CW4	000-255	0–100%
323	Top10-WW4	000-255	0–100%
324	Top10-CW5	000-255	0–100%
325	Top10-WW5	000-255	0–100%
326	Top10-CW6	000-255	0–100%
327	Top10-WW6	000-255	0–100%
328	Bottom10-W1	000-255	0–100%
329	Bottom10-W2	000-255	0–100%
330	Bottom10-W3	000-255	0–100%
331	Bottom10-W4	000-255	0–100%
340CH Advanced channel			
1	Tilt 1	000-255	0–100%
2	Fine tilt 1	000-255	0–100%
3	Zoom 1	000-255	0–100%
4	Dimmer 1	000-255	0–100%
5	Fine dimmer 1	000-255	0–100%
6	Top Secondary light Dimmer 1	000-255	0–100%
7	Bottom Secondary light Dimmer 1	000-255	0–100%
8	Key Light Strobe 1	000-019	Off
		020-255	See Strobe Settings
9	Top Secondary light Strobe 1	000-019	Off
		020-255	See Strobe Settings
10	Bottom Secondary light Strobe 1	000-019	Off
		020-255	See Strobe Settings
11	Red 1 Cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
12	Fine red 1 Fine cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
13	Green 1 Magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%

14	Fine green 1 Fine magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
15	Blue 1 Yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
16	Fine blue 1 Fine yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
17	White 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
18	Fine white 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
19	Top1-CW1	000-255	0–100%
20	Top1-WW1	000-255	0–100%
21	Top1-CW2	000-255	0–100%
22	Top1-WW2	000-255	0–100%
23	Top1-CW3	000-255	0–100%
24	Top1-WW3	000-255	0–100%
25	Top1-CW4	000-255	0–100%
26	Top1-WW4	000-255	0–100%
27	Top1-CW5	000-255	0–100%
28	Top1-WW5	000-255	0–100%
29	Top1-CW6	000-255	0–100%
30	Top1-WW6	000-255	0–100%
31	Bottom1-W1	000-255	0–100%
32	Bottom1-W2	000-255	0–100%
33	Bottom1-W3	000-255	0–100%
34	Bottom1-W4	000-255	0–100%
35	Tilt 2	000-255	0–100%
36	Fine tilt 2	000-255	0–100%
37	Zoom 2	000-255	0–100%
38	Dimmer 2	000-255	0–100%
39	Fine dimmer 2	000-255	0–100%
40	Top Secondary light Dimmer 2	000-255	0–100%
41	Bottom Secondary light Dimmer 2	000-255	0–100%
42	Key Light Strobe 2	000-019	Off
		020-255	See Strobe Settings
43	Top Secondary light Strobe 2	000-019	Off
		020-255	See Strobe Settings
44	Bottom Secondary light Strobe 2	000-019	Off
		020-255	See Strobe Settings
45	Red 1 Cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
46	Fine red 1 Fine cyan 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%

47	Green 1 Magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
48	Fine green 1 Fine magenta 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
49	Blue 1 Yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
50	Fine blue 1 Fine yellow 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
51	White 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
52	Fine white 1	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
53	Top1-CW1	000-255	0–100%
54	Top1-WW1	000-255	0–100%
55	Top1-CW2	000-255	0–100%
56	Top1-WW2	000-255	0–100%
57	Top1-CW3	000-255	0–100%
58	Top1-WW3	000-255	0–100%
59	Top1-CW4	000-255	0–100%
60	Top1-WW4	000-255	0–100%
61	Top1-CW5	000-255	0–100%
62	Top1-WW5	000-255	0–100%
63	Top1-CW6	000-255	0–100%
64	Top1-WW6	000-255	0–100%
65	Bottom1-W1	000-255	0–100%
66	Bottom1-W2	000-255	0–100%
67	Bottom1-W3	000-255	0–100%
68	Bottom1-W4	000-255	0–100%
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308	Tilt 10	000-255	0–100%
309	Fine tilt 10	000-255	0–100%
310	Zoom 10	000-255	0–100%
311	Dimmer 10	000-255	0–100%
312	Fine dimmer 10	000-255	0–100%
313	Top Secondary light Dimmer 10	000-255	0–100%
314	Bottom Secondary light Dimmer 10	000-255	0–100%
315	Key Light Strobe 10	000-019	Off
		020-255	See Strobe Settings
316	Top Secondary light Strobe 10	000-019	Off
		020-255	See Strobe Settings
317	Bottom Secondary light Strobe 10	000-019	Off
		020-255	See Strobe Settings
317	Red 10 Cyan 10	000-255	RGBW Mode: 0–100%

			/ CMY Mode: 100–0%
318	Fine red 10 Fine cyan 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
319	Green 10 Magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
320	Fine green 10 Fine magenta 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
321	Blue 10 Yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
322	Fine blue 10 Fine yellow 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
323	White 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
324	Fine white 10	000-255	RGBW Mode: 0–100% / CMY Mode: 100–0%
325	Top10-CW1	000-255	0–100%
326	Top10-WW1	000-255	0–100%
327	Top10-CW2	000-255	0–100%
328	Top10-WW2	000-255	0–100%
329	Top10-CW3	000-255	0–100%
330	Top10-WW3	000-255	0–100%
331	Top10-CW4	000-255	0–100%
332	Top10-WW4	000-255	0–100%
333	Top10-CW5	000-255	0–100%
334	Top10-WW5	000-255	0–100%
335	Top10-CW6	000-255	0–100%
336	Top10-WW6	000-255	0–100%
337	Bottom10-W1	000-255	0–100%
338	Bottom10-W2	000-255	0–100%
339	Bottom10-W3	000-255	0–100%
340	Bottom10-W4	000-255	0–100%

Color Chart					
Value	Percent/Setting				
000	No Function				
001-002	White 2700K	R=156	G=118	B=0	W=63
003-004	White 3200K	R=156	G=141	B=5	W=89
005-006	White 4200K	R=156	G=141	B=14	W=255
007-008	White 5600K	R=156	G=207	B=54	W=255
009-010	White 8000K	R=130	G=255	B=96	W=255

011	Blue	R=0	G=0	B=255	W=0
012-048	(+Green)	R=0	G=0-255	B=255	W=0
049	Cyan	R=0	G=255	B=255	W=0
050-086	(-Blue)	R=0	G=255	B=255-0	W=0
087	Green	R=0	G=255	B=0	W=0
088-124	(+Red)	R=0-255	G=255	B=0	W=0
125	Yellow	R=255	G=255	B=0	W=0
126-162	(-Green)	R=255	G=255-0	B=0	W=0
163	Red	R=255	G=0	B=0	W=0
164-200	(+Blue)	R=255	G=0	B=0-255	W=0
201	Magenta	R=255	G=0	B=255	W=0
202-238	(-Red)	R=255-0	G=0	B=255	W=0
239	Blue	R=0	G=0	B=255	W=0
240-247	Color fade, fast to slow				
248-255	Color snap, fast to slow				

Strobe Settings	
Value	Percent/Setting
000-019	Off
020-024	On
025-064	Strobe, fast to slow
065-069	On
070-084	Strobe 100–0%, fast to slow
085-089	On
090-104	Strobe 0–100%, fast to slow
105-109	On
110-124	Random strobe, fast to slow
125-129	On
130-144	Random strobe 100–0%, fast to slow
145-149	On
150-164	Random strobe 0–100%, fast to slow
165-169	On
170-184	Pulse strobe, fast to slow
185-189	On
190-204	Random pulse strobe, fast to slow
205-209	On
210-224	Strobe 0–100–0%, fast to slow
225-229	On
230-244	Random pulse strobe, fast to slow
245-255	On

Control Settings	
Value	Percent/Setting
000-049	No Function
050-054	RGBW (additive) color-mixing mode
055-059	CMY (subtractive) color-mixing mode
060-064	Reserved for future use
065-069	Tilt reset
070-074	Zoom reset
075-079	All reset
080-084	Reserved for future use
085-089	Cell order 1–10
090-094	Cell order 10–1
095-099	Reserved for future use
100-104	Tilt reverse
105-109	Disable Tilt reverse
110-114	Reserved for future use
115-119	Red Shift on
120-124	Red Shift off
125-129	Reserved for future use
130-134	Dimmer delay OFF
135-139	Dimmer delay 1
140-144	Dimmer delay 2
145-149	Dimmer delay 3
150-154	Reserved for future use
155-159	Linear
160-164	S-Curve
165-169	Square
170-174	Inverse Square
175-179	Reserved for future use
180-184	600Hz
185-189	1200Hz
190-194	2000Hz
195-199	4000Hz
200-204	6000Hz
205-209	25000Hz
210-255	Reserved for future use

Channel priority: Dimming > Built-in Program Call > User Program Call > ARGBW Dimming > HSV Dimming > Macro Instruction > Color temperature

Maintenance

In order to extend the service life of the lamp, the maintenance of the lamp is very necessary. The outdoor use environment is harsh, or the lamp will be placed for a long time

The lens cover, the lamp shell and other parts accumulate moisture, dust, at this time need to clean the lamp to optimize the light effect output, but also to prevent dust and acid

The gas will cause corrosion to the shell.

The frequency of cleaning depends on the operating frequency of the lamp and the surrounding environment. When cleaning with a soft cloth and general glass cleaning products to carefully wipe, it is recommended

Clean at least once every 20 days.

Do not wipe the luminaires housing with organic solvents such as alcohol to avoid damage.

General Troubleshooting

Fault phenomena	Cause of the fault	Handling method
No menu display	1. No AC input 2. The switching power supply is damaged 3. The display board is faulty	1. Check the power supply line 2. Check whether the switching power supply has voltage output 3. Replace the display board
No DMX signal is being received	1. The DMX signal cable is faulty 2. The sequence of connecting signal cables is incorrect 3. The receiving signal IC at the signal input terminal is damaged 4. DMX address code setup and console The corresponding control does not match 5. Other parameters are incorrectly set 6. Do not press the confirm button after entering the menu Or Esc key exit to the main menu	1. Check or replace the signal cable 2. Check the wiring sequence of signal cables 3. Check that the display board signal accepts IC and The two resistors strung along the signal line are open 4. Check or reset the address code Or restore the factory Settings and test again 5 Press Esc to exit to the main menu
The light body surface temperature is over 75° Cannot be protected by temperature control	1. The thermistor on the LED lamp bead board is faulty 2. The temperature control circuit on the display board is faulty 3. See if the radiator fan is running at a low speed	1. Replace the thermistor 2 Check the temperature control circuit on the motherboard 3 Replace the fan
The cast light does not mix evenly	1. LED welding is not correct 2. The lens or bracket is not properly	1. Check the LED bead welding condition

Uneven color spots	mounted	2. Check the lens assembly process, Adjust the assembly direction of the bracket
The light bead does not shine or flickers a little	The LED is damaged or the driver board has no current output	1. Replace the LED light bead 2. Replace the damaged LED Or check the driver board wiring 3 Replace the corresponding driver IC
Parameters are not saved	The IC used to store the parameters is damaged	Replace the storage IC
The whole light is powered on and does not work	When the temperature is too high, temperature control protection is caused Switching power supply overtemperature protection does not work	Let the lamp body cool before turning it on

Lamp Technical Parameters

Technical parameter sheet:

Optical parameters:	
Light Source	RGBW: 600W; CW: 120W; WW+CW: 1440W; LED
Illumination	RGBW small angle 4 degrees: @3 meters LUX 31700; @5 meters LUX 26750; @7 meters LUX 13330; @10 meters LUX 11000;
	RGBW large angle 30 degrees: @1 meter LUX 29350; @3 meters LUX 9765; @5 meters LUX 4595; @7 meters LUX 2456; @10 meters LUX 1300
	CW+WW108 degree: @1meterLUX15000; @3meters LUX2200; @5meters LUX847; @7meters LUX412, @10meters LUX205;
Color temperature	W: 6700K; CW: 8000K; WW: 2700K
Optical system	Glass lens
Color rendering index	Ra≥67
Master wavelength	R:626nm/G:533nm/B:457nm/W:585nm/WW:585nm
Light source life	20000hours
Beam Angle	Small angle 4° ,big angle 30°
Secondary Angle	108°
Pixel Matrix	Single point control, overall control
Strobe flash	0~25Hz
Power supply parameters:	

Input voltage and frequency	100~240V/AC , 50~60Hz
Power connection	Rean brand, power supply line input/output, maximum connection quantity 3 units @ 230V
Signal connections	Rean brand, 3 core/5 core waterproof signal adapter cable input/output, maximum connection quantity of 32 devices.
Network connections	Rean brand, Network input/output
Power	Static state: RGBW: 500W@230V WW: 360W@230V
	Full flash on state: 1200W@230V RGBW: 800W@230V
Power factor	0.95/230V
Working environment	-15~45°C
Structural parameters:	
Dimensions	size: 1000*332*223mm
Weight	Net weight: 38.6 kg
Level of protection	IP65
Cooling system	Natural heat dissipation
Housing	Magnesium aluminum alloy, black (customized color)
Installation method	Vertical suspension installation, side suspension installation, infinite splicing installation
Controls:	
Control mode	DMX512/RDM/Art-Net/SACN
DMX channel	33CH/60CH/239CH/260CH/306CH/326CH/331CH/340CH/12CH/39CH/61CH/66CH/200CH/240CH
Display	1.77 inch TFT display with 4 touch buttons
Refresh rate	600Hz/1200Hz/2000Hz/4000Hz/6000Hz/25000Hz
Dimming mode	Dimmer 1/ Dimmer 2 /Dimmer 3
Dimmer curve selection	S-Curve/Linear Square/Inverse Square
Accessories:	
Standard	European waterproof power cord 1PCS; Manual 1PCS

Product Size drawing

