AL2067SB

800W LED STROBE IP65 WATERPROOF

ENGLISH USER MANUAL

TECHNICAL SPECIFICATIONS	
Model	AL2067SB
Product	800W LED Strobe, IP65 Waterproof
Input voltage	AC 110-240 V, 50/60 Hz
Rated power consumption	1000 W
Light source	1,344 RGBW LEDs
LED service life	More than 50,000 hours
Dimming	0-100% linear dimming
Control protocols	DMX512, RDM, sACN and Art-Net
Operating modes	DMX, master/slave and stand-alone auto
DMX channel modes	15 / 39 / 71 / 112 / 209 / 178 / 275 channels
Ingress protection	IP65
Net weight	9.75 kg

SAFETY NOTICE Installation and servicing must be performed by qualified personnel. Disconnect mains power before installation, cleaning or service. Use a suitable clamp and a secondary safety cable. Do not look directly into the LEDs, and warn persons who may be sensitive to strobe effects. Keep ventilation openings clear. To maintain the IP65 rating, keep all covers and cable seals properly closed; do not immerse the fixture.



AL2067SB OPERATING INSTRUCTIONS

1. Display Controls and Navigation



A: Menu B: Up (+) C: Down (-) D: Enter

Unlock password: 8888

2. OLED Menu Structure

Main Menu	Second level menu~Fifth level menu			Default value (description)
DMX	DMX Address	001-512		001
	DMX Mode	15CH/39CH/71CH/112CH/209CH /178CH/275CH		39CH
Stand Alone	Stop Stand Alone			Stop executing DMX in the current mode
	Auto FX	Effect 1	Dimmer 000-255	255
		Effect 2	Speed 000-255	200
		Effect 3 Effect 4 Effect 5 Effect 6 Effect 7 Effect 8 Effect 9 Effect 10		Effect running
	Color Macro	Color Off		Close the current color
		Dimmer	000-255	255
		Color Macro (See the table below)	01-46	1
	Quick Color	Centric	000-255	255
		Single	000-255	255
		RGB	000-255	255
		Shutter	000-255	255
		Red	000-255	255
		Green	000-255	255
		Blue	000-255	255
	Tunable White	Dimmer	000-255	
		Shutter	000-255	
		CCT	2000K-10000K	
	User Color	Color 1	Dimmer 000-255	255
		Color 2	Shutter 000-255	255

		Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10	Red 000-255	255
			Green 000-255	255
			Blue 000-255	255
				User Color Customization
Setting	Protocol	DMX512		AUTO
		Art-Net		
		sACN		
		AUTO		
	Ethenet	IP Address	000.000.000.000	
		Subnet Mask	000.000.000.000	
		Art-Net	Net 001-128	001
			SubNet 00-15	0
			Universe 00-15	0
			Port 0-32767	0
		sACN	Universe 0-63999	0
	Display	Display Flip	On	Off
			Off	
		Backlight	10S	2Min
			30S	
			2Min	
			Always On	
		Auto Lock	On	On
			Off	
	Startup Mode	DMX		DMX
		Auto		
		Color Macro		
		Quick Color		
		Tunable White		
		User Color		
	Master / Slave	Master		Slave
		Slave		
	DMX Fail	Hold		Blackout
		Blackout		
	Dimmer Curve	Linear		Linear
		Square		
		Inverse Square		
		S-Curve		
	Dimmer Response	Fast		Fast
		Medium		
		Slow		
	Color Calibration	Full Calibration		CCT Calibration
		CCT Calibration		
	RAW Balance	RAW		Default RAW
		User Calibrate	Red 000-255	255
			Green 000-255	255
			Blue 000-255	255
	LED Frequency	16KHz		16KHz
		32KHz		
	Fan	Auto		Auto
		Max Power		
	Invert Mapping	RGB Panel 1	On	Off
			Off	
		RGB Panel 2	On	Off

			Off		
		Single Tube 1	On		Off
			Off		
		Single Tube 2	On		Off
			Off		
		Single Tube 3	On		Off
			Off		
		Single Tube 4	On		Off
			Off		
		Centric Tube	On		Off
			Off		
		Swap RGB Panels	On		Off
			Off		
		Swap Single Tubes	On		Off
			Off		
	LED Mode	Low Power			High Power
		High Power			
	512 Update	On			On
		Off			
	Factory	Factory Reset	Do not restore		Do not restore
			Recover		
		User Reset	Do not restore		Do not restore
			Recover		
		User Reset List	DMX Mode		
			Color Settings	Color Calibration	RAW Balance
				RAW Balance	
			Protocol	DMX512	AUTO
				Art-Net	
				sACN	
				AUTO	
			Display Flip	On	Off
				Off	
			Backlight	10S	2Min
				30S	
				2Min	
				Always On	
			Auto Lock	On	On
				Off	
			Startup Mode	DMX	DMX
				Auto	
				Color Macro	
				Quick Color	
				Tunable White	
				User Color	
			DMX Fail	Hold	Blackout
				Blackout	
			Dimmer Curve	Linear	Linear
				Square	
				Inverse Square	
				S-Curve	
			Dimmer Response	Fast	Fast
				Medium	
				Slow	
			Color Calibration	Full Calibration	CCT Calibration

				CCT Calibration	
			RAW Balance	RAW	RAW
				User Calibrate	
			LED Frequency	16KHz	16KHz
				32KHz	
			Fan	Auto	Auto
				Max Power	
			LED Mode	Low Power	High Power
				High Power	
			512 Update	On	On
				Off	
Language	Ch/中				Ch/中
	En/英				
Password	On				On
	Off				
System Info	Firmware Version				
	Hardware Version		Main		
			Dimmer		
			Net		
	RDM UID				
	Temperatures		MAX TEMP		
			TEMP		

On the DMX address screen, press and hold the Menu key for approximately 10 seconds to enter the service settings.

background	display	scope	Functional Description
1	Current R:245	020--255	R-color current
2	Current G:235	020--255	G-color current
3	Current B:235	020--255	B-color current
4	Current W:243	020--255	W-color current
5	Power D:202	050--255	Total power limit
6	Temp D:60	40--70	Temperature protection point
7	Push YES/NO	YES/NO	NO (Host backend setting parameter) does not push default values to the slave (NO)
			YSE host pushes to slave for updating slave backend parameters

3. DMX512 - 15-Channel Mode

Channel	DMX Value	Function
1	000-255	Master dimmer: 0-100%
2	000-255	Central tube dimming 0%-100%
3		Central tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
4	000-255	Central tube Strobe duration 0%-100%
5	000-255	(W 1-4) Light tube dimming 0%-100%
6		(W 1-4) Light tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open

	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
7	000-255	(W 1-4) Strobe duration 0%-100%
8	000-255	(RGB 1-2) total tone
9		(RGB 1-2) Shutter (flashing)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random strobe (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random on pulse (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random closing pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 on pulse (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random on pulse (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine wave (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 bursts of strobe (fast to slow)
	245-255	Shutter open
10	000-255	(RGB 1-2) Strobe duration 0%-100%
11	000-255	(RGB 1-2) Red 0%-100%
12	000-255	(RGB 1-2) Green 0%-100%
13	000-255	(RGB 1-2) Blue 0%-100%
14	001-255	(RGB 1-2) color temperature 2000K-10000K
15		Function settings (hold the selected DMX value for 3 seconds to apply)
	000-005	No function
	006-010	Screen off setting (always on)
	011-015	Screen off setting (2 minutes)

	016-018	No function
	019-023	Black field
	024-028	Keeping
	029-033	emergency
	034-036	No function
	037-041	Dimming curve: linear
	042-046	Dimming curve: squared
	047-051	Dimming curve: inverse square
	052-056	Dimming curve: S-line
	057-061	No function
	062-066	Dimming speed: fast
	067-071	Dimming speed: medium speed
	072-076	Dimming speed: slow
	077-080	No function
	081-085	Color calibration: full calibration
	086-090	Color calibration: CCT calibration
	091-093	No function
	094-098	Dimming frequency: 16K
	099-103	Dimming frequency: 32K
	104-126	No function
	127-131	Fan automatic
	132-136	Maximum speed of fan
	137-149	No function
	150-153	Inverted RGB panel 1 off
	154-157	Inverted RGB panel 1 on
	158-161	Inverted RGB panel 2 off
	162-165	Inverted RGB panel 2 on
	166-169	Inverted center tube panel off
	170-173	Inverted center tube panel on
	174-177	Inverted W lamp 1 off
	178-181	Inverted W tube 1 on
	182-185	Inverted W tube 2 off
	186-189	Inverted W tube 2 on
	190-193	Inverted W tube 3 off
	194-197	Inverted W tube 3 on
	198-201	Inverted W lamp 4 off
	202-205	Inverted W tube 4 on
	206-209	Swap the RGB panel off
	210-213	Swap the RGB panel on
	214-217	Swap W lamp off
	218-221	Swap W tube on
	222-224	No function
	225-229	Low power mode

	230-234	High power mode
	235-237	No function
	238-242	Factory settings (without restoring DMX address and mode)
	243-247	User defined factory settings (without restoring DMX address and mode)
	248-255	No function

4. DMX512 - 39-Channel Mode

Channel	DMX Value	Function
1	000-255	Master dimmer: 0-100%
2	000-255	Central tube dimming 0%-100%
3		Central tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
4	000-255	Central tube Strobe duration 0%-100%
5	000-255	Central tube mode dimming 0%-100%
6	000-255	Static mode selection of central tube 000-005: Empty 006-247: Effect selection 248-255: Empty
7		Central tube mode switching time
	000-005	No function

	006-255	1 Seconds-250 seconds
8		Central tube mode running speed
	000-005	No function
	006-124	From left to right / fast to slow
	125-130	No function
	131-249	From right to left / slow to fast
	250-255	No function
9		Central tube Fade in and out
	000-005	Fast switchover
	006-255	Short to long duration
10		Central tube segment space
	000-041	1 segment space
	042-084	2 segment space
	085-127	3 segment space
	128-170	4 segment space
	171-213	5 segment space
	214-255	6 segment space
11	000-255	(W 1-4) Light tube dimming 0%-100%
12		(W 1-4) Light tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
13	000-255	(W 1-4) Strobe duration 0%-100%
14	000-255	(W 1-4) Light tube mode dimming 0%-100%
15	000-255	(W 1-4) Static mode selection of lamp tube

		000-005: Empty 006-247: Effect selection 248-255: Empty
16	000-005 006-255	(W 1-4) mode switching time No function 1 Seconds-250 seconds
17	000-255	(W 1-4) Lamp effect mode selection 000-005: Empty 006-147: Effect selection 148-255: Empty
18	000-005 006-255	(W 1-4) mode switching time No function 1 Seconds-250 seconds
19	000-005 006-124 125-130 131-249 250-255	(W 1-4) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
20	000-005 006-255	(W 1-4) Fade in and out Fast switchover Short to long duration
21	000-041 042-084 085-127 128-170 171-213 214-255	(W 1-4) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
22	000-255	(RGB 1-2) total tone
23	000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164	(RGB 1-2) Shutter (flashing) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random strobe (fast to slow) Shutter open Strobe 5 random on pulse (fast to slow) Shutter open Strobe 6 random closing pulse (fast to slow)

	165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	Shutter open Strobe 7 on pulse (fast to slow) Shutter open Strobe 8 random on pulse (fast to slow) Shutter open Strobe 9 sine wave (fast to slow) Shutter open Strobe 10 bursts of strobe (fast to slow) Shutter open
24	000-255	(RGB 1-2) Strobe duration 0%-100%
25	000-255	(RGB 1-2) Red 0%-100%
26	000-255	(RGB 1-2) Green 0%-100%
27	000-255	(RGB 1-2) Blue 0%-100%
28	001-255	(RGB 1-2) color temperature 2000K-10000K
29	000-255	(RGB 1-2) mode dimming 0%-100%
30	000-255	(RGB 1-2) mode selection 000-005: Empty 006-082: Effect selection 083-128: Empty 129-175: Effect selection 176-255: Empty
31	000-005 006-255	(RGB 1-2) mode switching time No function 1 Seconds-250 seconds
32	000-005 006-124 125-130 131-249 250-255	(RGB 1-2) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
33	000-005 006-255	(RGB 1-2) Fade in and out Fast switchover Short to long duration
34	000-041 042-084 085-127 128-170 171-213 214-255	(RGB 1-2) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
35	000-255	(RGB 1-2) mode red 0%-100%
36	000-255	(RGB 1-2) mode green 0%-100%
37	000-255	(RGB 1-2) mode Blue 0%-100%

38	001-255	(RGB 1-2) mode color temperature 2000K-10000K
39		Function settings (hold the selected DMX value for 3 seconds to apply)
	000-005	No function
	006-010	Screen off setting (always on)
	011-015	Screen off setting (2 minutes)
	016-018	No function
	019-023	Black field
	024-028	Keeping
	029-033	emergency
	034-036	No function
	037-041	Dimming curve: linear
	042-046	Dimming curve: squared
	047-051	Dimming curve: inverse square
	052-056	Dimming curve: S-line
	057-061	No function
	062-066	Dimming speed: fast
	067-071	Dimming speed: medium speed
	072-076	Dimming speed: slow
	077-080	No function
	081-085	Color calibration: full calibration
	086-090	Color calibration: CCT calibration
	091-093	No function
	094-098	Dimming frequency: 16K
	099-103	Dimming frequency: 32K
	104-126	No function
	127-131	Fan automatic
	132-136	Maximum speed of fan
	137-149	No function
	150-153	Inverted RGB panel 1 off
	154-157	Inverted RGB panel 1 on
	158-161	Inverted RGB panel 2 off
	162-165	Inverted RGB panel 2 on
	166-169	Inverted center tube panel off
	170-173	Inverted center tube panel on
	174-177	Inverted W lamp 1 off
	178-181	Inverted W tube 1 on
	182-185	Inverted W tube 2 off
	186-189	Inverted W tube 2 on
	190-193	Inverted W tube 3 off
	194-197	Inverted W tube 3 on
	198-201	Inverted W lamp 4 off

	202-205	Inverted W tube 4 on
	206-209	Swap the RGB panel off
	210-213	Swap the RGB panel on
	214-217	Swap W lamp off
	218-221	Swap W tube on
	222-224	No function
	225-229	Low power mode
	230-234	High power mode
	235-237	No function
	238-242	Factory settings (without restoring DMX address and mode)
	243-247	User defined factory settings (without restoring DMX address and mode)
	248-255	No function

5. DMX512 - 71-Channel Mode

Channel	DMX Value	Function
1	000-255	Master dimmer: 0-100%
2	000-255	Central tube dimming 0%-100%
3		Central tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)

	245-255	Shutter open
4	000-255	Central tube Strobe duration 0%-100%
5	000-255	Central tube mode dimming 0%-100%
6	000-255	Static mode selection of central tube 000-005: Empty 006-247: Effect selection 248-255: Empty
7	 000-005 006-255	Central tube mode switching time No function 1 Seconds-250 seconds
8	 000-005 006-124 125-130 131-249 250-255	Central tube mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
9	 000-005 006-255	Central tube Fade in and out Fast switchover Short to long duration
10	 000-041 042-084 085-127 128-170 171-213 214-255	Central tube segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
11	000-255	(W-1) Light tube dimming 0%-100%
12	 000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189	(W-1) Light tube shutter (strobe) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random flicker (fast to slow) Shutter open Strobe 5 random slow bright pulses (fast to slow) Shutter open Strobe 6 random slow extinction pulse (fast to slow) Shutter open Strobe 7 burst pulses (fast to slow) Shutter open

	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
13	000-255	(W-1) Strobe duration 0%-100%
14	000-255	(W-1) tube mode dimming 0%-100%
15	000-255	(W-1) Static mode selection of lamp tube
16		(W-1) mode switching time
	000-005	No function
	006-255	1 Seconds-250 seconds
17		(W-1) mode running speed
	000-005	No function
	006-124	From left to right / fast to slow
	125-130	No function
	131-249	From right to left / slow to fast
	250-255	No function
18		(W-1) Fade in and out
	000-005	Fast switchover
	006-255	Short to long duration
19		(W-1) segment space
	000-041	1 segment space
	042-084	2 segment space
	085-127	3 segment space
	128-170	4 segment space
	171-213	5 segment space
	214-255	6 segment space
20	000-255	(W-2) Light tube dimming 0%-100%
21		(W-2) Light tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open

	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
22	000-255	(W-2) Strobe duration 0%-100%
23	000-255	(W-2) tube mode dimming 0%-100%
24	000-255	(W-2) Static mode selection of lamp tube
25		(W-2) mode switching time
	000-005	No function
	006-255	1 Seconds-250 seconds
26		(W-2) mode running speed
	000-005	No function
	006-124	From left to right / fast to slow
	125-130	No function
	131-249	From right to left / slow to fast
	250-255	No function
27		(W-2) Fade in and out
	000-005	Fast switchover
	006-255	Short to long duration
28		(W-2) segment space
	000-041	1 segment space
	042-084	2 segment space
	085-127	3 segment space
	128-170	4 segment space
	171-213	5 segment space
	214-255	6 segment space
29	000-255	(W-3) Light tube dimming 0%-100%
30		(W-3) Light tube shutter (flashing)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open

	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
31	000-255	(W-3) Strobe duration 0%-100%
32	000-255	(W-3) tube mode dimming 0%-100%
33	000-255	(W-3) Static mode selection of lamp tube
34		(W-3) mode switching time
	000-005	No function
	006-255	1 Seconds-250 seconds
35		(W-3) mode running speed
	000-005	No function
	006-124	From left to right / fast to slow
	125-130	No function
	131-249	From right to left / slow to fast
	250-255	No function
36		(W-3) Fade in and out
	000-005	Fast switchover
	006-255	Short to long duration
37		(W-3) segment space
	000-041	1 segment space
	042-084	2 segment space
	085-127	3 segment space
	128-170	4 segment space
	171-213	5 segment space
	214-255	6 segment space
38	000-255	(W-4) Light tube dimming 0%-100%
39		(W-4) Light tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open

	130-144 145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	Strobe 5 random slow bright pulses (fast to slow) Shutter open Strobe 6 random slow extinction pulse (fast to slow) Shutter open Strobe 7 burst pulses (fast to slow) Shutter open Strobe 8 random burst pulses (fast to slow) Shutter open Strobe 9 sine pulses (fast to slow) Shutter open Strobe 10 burst flicker (fast to slow) Shutter open
40	000-255	(W-4) Strobe duration 0%-100%
41	000-255	(W-4) Light tube mode dimming 0%-100%
42	000-255	(W-4) Static mode selection of lamp tube
43	 000-005 006-255	(W-4) mode switching time No function 1 Seconds-250 seconds
44	 000-005 006-124 125-130 131-249 250-255	(W-4) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
45	 000-005 006-255	(W-4) Fade in and out Fast switchover Short to long duration
46	 000-041 042-084 085-127 128-170 171-213 214-255	(W-4) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
47	000-255	(W 1-4) Light tube mode dimming 0%-100%
48	000-255	(W 1-4) Lamp effect mode selection 000-005: Empty 006-147: Effect selection 148-255: Empty
49	 000-005 006-255	(W 1-4) mode switching time No function 1 Seconds-250 seconds
50	 000-005	(W 1-4) mode running speed No function

	006-124	From left to right / fast to slow
	125-130	No function
	131-249	From right to left / slow to fast
	250-255	No function
51		(W 1-4) Fade in and out
	000-005	Fast switchover
	006-255	Short to long duration
52		(W 1-4) segment space
	000-041	1 segment space
	042-084	2 segment space
	085-127	3 segment space
	128-170	4 segment space
	171-213	5 segment space
	214-255	6 segment space
53	000-255	(RGB 1-2) total tone
54		(RGB 1-2) Shutter (flashing)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random strobe (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random on pulse (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random closing pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 on pulse (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random on pulse (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine wave (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 bursts of strobe (fast to slow)
	245-255	Shutter open
55	000-255	(RGB 1-2) Strobe duration 0%-100%
56	000-255	(RGB 1-2) Red 0%-100%
57	000-255	(RGB 1-2) Green 0%-100%
58	000-255	(RGB 1-2) Blue 0%-100%
59		(RGB 1-2) color temperature
	001-255	2000K-10000K

60	006-255	(RGB 1-2) color macro (see table below)
61	000-255	(RGB 1-2) color macro speed
62	000-255	(RGB 1-2) mode dimming 0%-100%
63	000-255	(RGB 1-2) mode selection 000-005: Empty 006-082: Effect selection 083-128: Empty 129-175: Effect selection 176-255: Empty
64	000-005 006-255	(RGB 1-2) mode switching time No function 1 Seconds-250 seconds
65	000-005 006-124 125-130 131-249 250-255	(RGB 1-2) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
66	000-005 006-255	(RGB 1-2) Fade in and out Fast switchover Short to long duration
67	000-041 042-084 085-127 128-170 171-213 214-255	(RGB 1-2) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
68	000-255	(RGB 1-2) mode red 0%-100%
69	000-255	(RGB 1-2) mode green 0%-100%
70	000-255	(RGB 1-2) mode Blue 0%-100%
71		Function settings (hold the selected DMX value for 3 seconds to apply)
	000-005	No function
	006-010	Screen off setting (always on)
	011-015	Screen off setting (2 minutes)
	016-018	No function
	019-023	Black field
	029-033	emergency
	034-036	No function
	029-036	No function
	037-041	Dimming curve: linear
	042-046	Dimming curve: squared
	047-051	Dimming curve: inverse square

	052-056	Dimming curve: S-line
	057-061	No function
	062-066	Dimming speed: fast
	067-071	Dimming speed: medium speed
	072-076	Dimming speed: slow
	077-080	No function
	081-085	Color calibration: full calibration
	086-090	Color calibration: CCT calibration
	091-093	No function
	094-098	Dimming frequency: 16K
	099-103	Dimming frequency: 32K
	104-126	No function
	127-131	Fan automatic
	132-136	Maximum speed of fan
	137-149	No function
	150-153	Inverted RGB panel 1 off
	154-157	Inverted RGB panel 1 on
	158-161	Inverted RGB panel 2 off
	162-165	Inverted RGB panel 2 on
	166-169	Inverted center tube panel off
	170-173	Inverted center tube panel on
	174-177	Inverted W lamp 1 off
	178-181	Inverted W tube 1 on
	182-185	Inverted W tube 2 off
	186-189	Inverted W tube 2 on
	190-193	Inverted W tube 3 off
	194-197	Inverted W tube 3 on
	198-201	Inverted W lamp 4 off
	202-205	Inverted W tube 4 on
	206-209	Swap the RGB panel off
	210-213	Swap the RGB panel on
	214-217	Swap W lamp off
	218-221	Swap W tube on
	222-224	No function
	225-229	Low power mode
	230-234	High power mode
	235-237	No function
	238-242	Factory settings (without restoring DMX address and mode)
	243-247	User defined factory settings (without restoring DMX address and mode)
	248-255	No function

6. DMX512 - 112-Channel Mode

Channel	DMX Value	Function
1	000-255	Master dimmer: 0-100%
2		Central tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
3	000-255	Central tube Strobe duration 0%-100%
4	000-255	(Central tube-1) Dimming 0%-100%
5	000-255	(Central tube-2) Dimming 0%-100%
6	000-255	(Central tube-3) Dimming 0%-100%
7	000-255	(Central tube-4) Dimming 0%-100%
8	000-255	(Central tube-5) Dimming 0%-100%
9	000-255	(Central tube-6) Dimming 0%-100%
10	000-255	(Central tube-7) Dimming 0%-100%
11	000-255	(Central tube-8) Dimming 0%-100%
12	000-255	(Central tube-9) Dimming 0%-100%
13	000-255	(Central tube-10) Dimming 0%-100%
14	000-255	(Central tube-11) Dimming 0%-100%
15	000-255	(Central tube-12) Dimming 0%-100%
16		(W-1) Light tube shutter (strobe)
	000-019	Shutter close

	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
17	000-255	(W-1) Strobe duration 0%-100%
18	000-255	(W-1-1) Dimming 0%-100%
19	000-255	(W-1-2) Dimming 0%-100%
20	000-255	(W-1-3) Dimming 0%-100%
21	000-255	(W-1-4) Dimming 0%-100%
22	000-255	(W-1-5) Dimming 0%-100%
23	000-255	(W-1-6) Dimming 0%-100%
24	000-255	(W-1-7) Dimming 0%-100%
25	000-255	(W-1-8) Dimming 0%-100%
26	000-255	(W-1-9) Dimming 0%-100%
27	000-255	(W-1-10) Dimming 0%-100%
28	000-255	(W-1-11) Dimming 0%-100%
29	000-255	(W-1-12) Dimming 0%-100%
30		(W-2) Light tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)

	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
31	000-255	(W-2) Strobe duration 0%-100%
32	000-255	(W-2-1) Dimming 0%-100%
33	000-255	(W-2-2) Dimming 0%-100%
34	000-255	(W-2-3) Dimming 0%-100%
35	000-255	(W-2-4) Dimming 0%-100%
36	000-255	(W-2-5) Dimming 0%-100%
37	000-255	(W-2-6) Dimming 0%-100%
38	000-255	(W-2-7) Dimming 0%-100%
39	000-255	(W-2-8) Dimming 0%-100%
40	000-255	(W-2-9) Dimming 0%-100%
41	000-255	(W-2-10) Dimming 0%-100%
42	000-255	(W-2-11) Dimming 0%-100%
43	000-255	(W-2-12) Dimming 0%-100%
44		(W-3) Light tube shutter (flashing)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)

	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
45	000-255	(W-3) Strobe duration 0%-100%
46	000-255	(W-3-1) Dimming 0%-100%
47	000-255	(W-3-2) Dimming 0%-100%
48	000-255	(W-3-3) Dimming 0%-100%
49	000-255	(W-3-4) Dimming 0%-100%
50	000-255	(W-3-5) Dimming 0%-100%
51	000-255	(W-3-6) Dimming 0%-100%
52	000-255	(W-3-7) Dimming 0%-100%
53	000-255	(W-3-8) Dimming 0%-100%
54	000-255	(W-3-9) Dimming 0%-100%
55	000-255	(W-3-10) Dimming 0%-100%
56	000-255	(W-3-11) Dimming 0%-100%
57	000-255	(W-3-12) Dimming 0%-100%
58		(W-4) Light tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
59	000-255	(W-4) Strobe duration 0%-100%
60	000-255	(W-4-1) Dimming 0%-100%
61	000-255	(W-4-2) Dimming 0%-100%

62	000-255	(W-4-3) Dimming 0%-100%
63	000-255	(W-4-4) Dimming 0%-100%
64	000-255	(W-4-5) Dimming 0%-100%
65	000-255	(W-4-6) Dimming 0%-100%
66	000-255	(W-4-7) Dimming 0%-100%
67	000-255	(W-4-8) Dimming 0%-100%
68	000-255	(W-4-9) Dimming 0%-100%
69	000-255	(W-4-10) Dimming 0%-100%
70	000-255	(W-4-11) Dimming 0%-100%
71	000-255	(W-4-12) Dimming 0%-100%
72		(RGB-1) Shutter (Flashing)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random strobe (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random on pulse (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random closing pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 on pulse (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random on pulse (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine wave (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 bursts of strobe (fast to slow)
	245-255	Shutter open
73	000-255	(RGB-1) Strobe duration 0%-100%
74	000-255	(RGB-1-1) Red 0%-100%
75	000-255	(RGB-1-1) Green 0%-100%
76	000-255	(RGB-1-1) Blue 0%-100%
77	000-255	(RGB-1-2) Red 0%-100%
78	000-255	(RGB-1-2) Green 0%-100%
79	000-255	(RGB-1-2) Blue 0%-100%
80	000-255	(RGB-1-3) Red 0%-100%
81	000-255	(RGB-1-3) Green 0%-100%
82	000-255	(RGB-1-3) Blue 0%-100%
83	000-255	(RGB-1-4) Red 0%-100%

84	000-255	(RGB-1-4) Green 0%-100%
85	000-255	(RGB-1-4) Blue 0%-100%
86	000-255	(RGB-1-5) Red 0%-100%
87	000-255	(RGB-1-5) Green 0%-100%
88	000-255	(RGB-1-5) Blue 0%-100%
89	000-255	(RGB-1-6) Red 0%-100%
90	000-255	(RGB-1-6) Green 0%-100%
91	000-255	(RGB-1-6) Blue 0%-100%
92	 000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	(RGB-2) Shutter (Flashing) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random strobe (fast to slow) Shutter open Strobe 5 random on pulse (fast to slow) Shutter open Strobe 6 random closing pulse (fast to slow) Shutter open Strobe 7 on pulse (fast to slow) Shutter open Strobe 8 random on pulse (fast to slow) Shutter open Strobe 9 sine wave (fast to slow) Shutter open Strobe 10 bursts of strobe (fast to slow) Shutter open
93	000-255	(RGB-2) Strobe duration 0%-100%
94	000-255	(RGB-2-1) Red 0%-100%
95	000-255	(RGB-2-1) Green 0%-100%
96	000-255	(RGB-2-1) Blue 0%-100%
97	000-255	(RGB-2-2) Red 0%-100%
98	000-255	(RGB-2-2) Green 0%-100%
99	000-255	(RGB-2-2) Blue 0%-100%
100	000-255	(RGB-2-3) Red 0%-100%
101	000-255	(RGB-2-3) Green 0%-100%
102	000-255	(RGB-2-3) Blue 0%-100%
103	000-255	(RGB-2-4) Red 0%-100%
104	000-255	(RGB-2-4) Green 0%-100%
105	000-255	(RGB-2-4) Blue 0%-100%

106	000-255	(RGB-2-5) Red 0%-100%
107	000-255	(RGB-2-5) Green 0%-100%
108	000-255	(RGB-2-5) Blue 0%-100%
109	000-255	(RGB-2-6) Red 0%-100%
110	000-255	(RGB-2-6) Green 0%-100%
111	000-255	(RGB-2-6) Blue 0%-100%
112		Function settings (hold the selected DMX value for 3 seconds to apply)
	000-005	No function
	006-010	Screen off setting (always on)
	011-015	Screen off setting (2 minutes)
	016-018	No function
	019-023	Black field
	024-028	Keeping
	029-033	emergency
	034-036	No function
	037-041	Dimming curve: linear
	042-046	Dimming curve: squared
	047-051	Dimming curve: inverse square
	052-056	Dimming curve: S-line
	057-061	No function
	062-066	Dimming speed: fast
	067-071	Dimming speed: medium speed
	072-076	Dimming speed: slow
	077-080	No function
	081-085	Color calibration: full calibration
	086-090	Color calibration: CCT calibration
	091-093	No function
	094-098	Dimming frequency: 16K
	099-103	Dimming frequency: 32K
	104-126	No function
	127-131	Fan automatic
	132-136	Maximum speed of fan
	137-149	No function
	150-153	Inverted RGB panel 1 off
	154-157	Inverted RGB panel 1 on
	158-161	Inverted RGB panel 2 off
	162-165	Inverted RGB panel 2 on
	166-169	Inverted center tube panel off
	170-173	Inverted center tube panel on
	174-177	Inverted W lamp 1 off
	178-181	Inverted W tube 1 on
	182-185	Inverted W tube 2 off

	186-189	Inverted W tube 2 on
	190-193	Inverted W tube 3 off
	194-197	Inverted W tube 3 on
	198-201	Inverted W lamp 4 off
	202-205	Inverted W tube 4 on
	206-209	Swap the RGB panel off
	210-213	Swap the RGB panel on
	214-217	Swap W lamp off
	218-221	Swap W tube on
	222-224	No function
	225-229	Low power mode
	230-234	High power mode
	235-237	No function
	238-242	Factory settings (without restoring DMX address and mode)
	243-247	User defined factory settings (without restoring DMX address and mode)
	248-255	No function

7. DMX512 - 209-Channel Mode

Channel	DMX Value	Function
1	000-255	Master dimmer: 0-100%
2	000-255	Overall fine-tuning 0-100%
3		Central tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)

	225-229 230-244 245-255	Shutter open Strobe 10 burst flicker (fast to slow) Shutter open
4	000-255	Central tube Strobe duration 0%-100%
5	000-255	(Central tube-1) Dimming 0%-100%
6	000-255	(Central tube-1) fine-tuning 0%-100%
7	000-255	(Central tube-2) Dimming 0%-100%
8	000-255	(Central tube-2) fine-tuning 0%-100%
9	000-255	(Central tube-3) Dimming 0%-100%
10	000-255	(Central tube-3) fine-tuning 0%-100%
11	000-255	(Central tube-4) Dimming 0%-100%
12	000-255	(Central tube-4) fine-tuning 0%-100%
13	000-255	(Central tube-5) Dimming 0%-100%
14	000-255	(Central tube-5) fine-tuning 0%-100%
15	000-255	(Central tube-6) Dimming 0%-100%
16	000-255	(Central tube-6) fine-tuning 0%-100%
17	000-255	(Central tube-7) Dimming 0%-100%
18	000-255	(Central tube-7) fine-tuning 0%-100%
19	000-255	(Central tube-8) Dimming 0%-100%
20	000-255	(Central tube-8) fine-tuning 0%-100%
21	000-255	(Central tube-9) Dimming 0%-100%
22	000-255	(Central tube-9) fine-tuning 0%-100%
23	000-255	(Central tube-10) Dimming 0%-100%
24	000-255	(Central tube-10) fine-tuning 0%-100%
25	000-255	(Central tube-11) Dimming 0%-100%
26	000-255	(Central tube-11) fine-tuning 0%-100%
27	000-255	(Central tube-12) Dimming 0%-100%
28	000-255	(Central tube-12) fine-tuning 0%-100%
29	 000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184	(W-1) Light tube shutter (strobe) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random flicker (fast to slow) Shutter open Strobe 5 random slow bright pulses (fast to slow) Shutter open Strobe 6 random slow extinction pulse (fast to slow) Shutter open Strobe 7 burst pulses (fast to slow)

	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
30	000-255	(W-1) Strobe duration 0%-100%
31	000-255	(W-1-1) Dimming 0%-100%
32	000-255	(W-1-1) fine-tuning 0%-100%
33	000-255	(W-1-2) Dimming 0%-100%
34	000-255	(W-1-2) fine-tuning 0%-100%
35	000-255	(W-1-3) Dimming 0%-100%
36	000-255	(W-1-3) fine-tuning 0%-100%
37	000-255	(W-1-4) Dimming 0%-100%
38	000-255	(W-1-4) fine-tuning 0%-100%
39	000-255	(W-1-5) Dimming 0%-100%
40	000-255	(W-1-5) fine-tuning 0%-100%
41	000-255	(W-1-6) Dimming 0%-100%
42	000-255	(W-1-6) fine-tuning 0%-100%
43	000-255	(W-1-7) Dimming 0%-100%
44	000-255	(W-1-7) fine-tuning 0%-100%
45	000-255	(W-1-8) Dimming 0%-100%
46	000-255	(W-1-8) fine-tuning 0%-100%
47	000-255	(W-1-9) Dimming 0%-100%
48	000-255	(W-1-9) fine-tuning 0%-100%
49	000-255	(W-1-10) Dimming 0%-100%
50	000-255	(W-1-10) fine-tuning 0%-100%
51	000-255	(W-1-11) Dimming 0%-100%
52	000-255	(W-1-11) fine-tuning 0%-100%
53	000-255	(W-1-12) Dimming 0%-100%
54	000-255	(W-1-12) fine-tuning 0%-100%
55		(W-2) Light tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)

	145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	Shutter open Strobe 6 random slow extinction pulse (fast to slow) Shutter open Strobe 7 burst pulses (fast to slow) Shutter open Strobe 8 random burst pulses (fast to slow) Shutter open Strobe 9 sine pulses (fast to slow) Shutter open Strobe 10 burst flicker (fast to slow) Shutter open
56	000-255	(W-2) Strobe duration 0%-100%
57	000-255	(W-2-1) Dimming 0%-100%
58	000-255	(W-2-1) fine-tuning 0%-100%
59	000-255	(W-2-2) Dimming 0%-100%
60	000-255	(W-2-2) fine-tuning 0%-100%
61	000-255	(W-2-3) Dimming 0%-100%
62	000-255	(W-2-3) fine-tuning 0%-100%
63	000-255	(W-2-4) Dimming 0%-100%
64	000-255	(W-2-4) fine-tuning 0%-100%
65	000-255	(W-2-5) Dimming 0%-100%
66	000-255	(W-2-5) fine-tuning 0%-100%
67	000-255	(W-2-6) Dimming 0%-100%
68	000-255	(W-2-6) fine-tuning 0%-100%
69	000-255	(W-2-7) Dimming 0%-100%
70	000-255	(W-2-7) fine-tuning 0%-100%
71	000-255	(W-2-8) Dimming 0%-100%
72	000-255	(W-2-8) fine-tuning 0%-100%
73	000-255	(W-2-9) Dimming 0%-100%
74	000-255	(W-2-9) fine-tuning 0%-100%
75	000-255	(W-2-10) Dimming 0%-100%
76	000-255	(W-2-10) fine-tuning 0%-100%
77	000-255	(W-2-11) Dimming 0%-100%
78	000-255	(W-2-11) fine-tuning 0%-100%
79	000-255	(W-2-12) Dimming 0%-100%
80	000-255	(W-2-12) fine-tuning 0%-100%
81	 000-019 020-024 025-064 065-069 070-084 085-089 090-104	(W-3) Light tube shutter (flashing) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow)

	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
82	000-255	(W-3) Strobe duration 0%-100%
83	000-255	(W-3-1) Dimming 0%-100%
84	000-255	(W-3-1) fine-tuning 0%-100%
85	000-255	(W-3-2) Dimming 0%-100%
86	000-255	(W-3-2) fine-tuning 0%-100%
87	000-255	(W-3-3) Dimming 0%-100%
88	000-255	(W-3-3) fine-tuning 0%-100%
89	000-255	(W-3-4) Dimming 0%-100%
90	000-255	(W-3-4) fine-tuning 0%-100%
91	000-255	(W-3-5) Dimming 0%-100%
92	000-255	(W-3-5) fine-tuning 0%-100%
93	000-255	(W-3-6) Dimming 0%-100%
94	000-255	(W-3-6) fine-tuning 0%-100%
95	000-255	(W-3-7) Dimming 0%-100%
96	000-255	(W-3-7) fine-tuning 0%-100%
97	000-255	(W-3-8) Dimming 0%-100%
98	000-255	(W-8-8) fine-tuning 0%-100%
99	000-255	(W-3-9) Dimming 0%-100%
100	000-255	(W-3-9) fine-tuning 0%-100%
101	000-255	(W-3-10) Dimming 0%-100%
102	000-255	(W-3-10) fine-tuning 0%-100%
103	000-255	(W-3-11) Dimming 0%-100%
104	000-255	(W-3-11) fine-tuning 0%-100%
105	000-255	(W-3-12) Dimming 0%-100%
106	000-255	(W-3-12) fine-tuning 0%-100%
107		(W-4) Light tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)

	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
108	000-255	(W-4) Strobe duration 0%-100%
109	000-255	(W-4-1) Dimming 0%-100%
110	000-255	(W-4-1) fine-tuning 0%-100%
111	000-255	(W-4-2) Dimming 0%-100%
112	000-255	(W-4-2) fine-tuning 0%-100%
113	000-255	(W-4-3) Dimming 0%-100%
114	000-255	(W-4-3) fine-tuning 0%-100%
115	000-255	(W-4-4) Dimming 0%-100%
116	000-255	(W-4-4) fine-tuning 0%-100%
117	000-255	(W-4-5) Dimming 0%-100%
118	000-255	(W-4-5) fine-tuning 0%-100%
119	000-255	(W-4-6) Dimming 0%-100%
120	000-255	(W-4-6) fine-tuning 0%-100%
121	000-255	(W-4-7) Dimming 0%-100%
122	000-255	(W-4-7) fine-tuning 0%-100%
123	000-255	(W-4-8) Dimming 0%-100%
124	000-255	(W-8-8) fine-tuning 0%-100%
125	000-255	(W-4-9) Dimming 0%-100%
126	000-255	(W-4-9) fine-tuning 0%-100%
127	000-255	(W-4-10) Dimming 0%-100%
128	000-255	(W-4-10) fine-tuning 0%-100%
129	000-255	(W-4-11) Dimming 0%-100%
130	000-255	(W-4-11) fine-tuning 0%-100%
131	000-255	(W-4-12) Dimming 0%-100%
132	000-255	(W-4-12) fine-tuning 0%-100%

133		(RGB-1) Shutter (Flashing)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random strobe (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random on pulse (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random closing pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 on pulse (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random on pulse (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine wave (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 bursts of strobe (fast to slow)
	245-255	Shutter open
134	000-255	(RGB-1) Strobe duration 0%-100%
135	000-255	(RGB-1-1) Red dimming 0%-100%
136	000-255	(RGB-1-1) Red fine-tuning 0%-100%
137	000-255	(RGB-1-1) Green dimming 0%-100%
138	000-255	(RGB-1-1) Green fine-tuning 0%-100%
139	000-255	(RGB-1-1) Blue dimming 0%-100%
140	000-255	(RGB-1-1) Blue fine-tuning 0%-100%
141	000-255	(RGB-1-2) Red dimming 0%-100%
142	000-255	(RGB-1-2) Red fine-tuning 0%-100%
143	000-255	(RGB-1-2) Green dimming 0%-100%
144	000-255	(RGB-1-2) Green fine-tuning 0%-100%
145	000-255	(RGB-1-2) Blue dimming 0%-100%
146	000-255	(RGB-1-2) Blue fine-tuning 0%-100%
147	000-255	(RGB-1-3) Red dimming 0%-100%
148	000-255	(RGB-1-3) Red fine-tuning 0%-100%
149	000-255	(RGB-1-3) Green dimming 0%-100%
150	000-255	(RGB-1-3) Green fine-tuning 0%-100%
151	000-255	(RGB-1-3) Blue dimming 0%-100%
152	000-255	(RGB-1-3) Blue fine-tuning 0%-100%
153	000-255	(RGB-1-4) Red dimming 0%-100%
154	000-255	(RGB-1-4) Red fine-tuning 0%-100%

155	000-255	(RGB-1-4) Green dimming 0%-100%
156	000-255	(RGB-1-4) Green fine-tuning 0%-100%
157	000-255	(RGB-1-4) Blue dimming 0%-100%
158	000-255	(RGB-1-4) Blue fine-tuning 0%-100%
159	000-255	(RGB-1-5) Red dimming 0%-100%
160	000-255	(RGB-1-5) Red fine-tuning 0%-100%
161	000-255	(RGB-1-5) Green dimming 0%-100%
162	000-255	(RGB-1-5) Green fine-tuning 0%-100%
163	000-255	(RGB-1-5) Blue dimming 0%-100%
164	000-255	(RGB-1-5) Blue fine-tuning 0%-100%
165	000-255	(RGB-1-6) Red dimming 0%-100%
166	000-255	(RGB-1-6) Red fine-tuning 0%-100%
167	000-255	(RGB-1-6) Green dimming 0%-100%
168	000-255	(RGB-1-6) Green fine-tuning 0%-100%
169	000-255	(RGB-1-6) Blue dimming 0%-100%
170	000-255	(RGB-1-6) Blue fine-tuning 0%-100%
171		(RGB-2) Shutter (Flashing)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random strobe (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random on pulse (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random closing pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 on pulse (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random on pulse (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine wave (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 bursts of strobe (fast to slow)
	245-255	Shutter open
172	000-255	(RGB-2) Strobe duration 0%-100%
173	000-255	(RGB-2-1) Red dimming 0%-100%
174	000-255	(RGB-2) Red fine-tuning 0%-100%
175	000-255	(RGB-2-1) Green dimming 0%-100%
176	000-255	(RGB-2) Green fine-tuning 0%-100%

177	000-255	(RGB-2-1) Blue dimming 0%-100%
178	000-255	(RGB-2) Blue fine-tuning 0%-100%
179	000-255	(RGB-2-2) Red dimming 0%-100%
180	000-255	(RGB-2-2) Red fine-tuning 0%-100%
181	000-255	(RGB-2-2) Green dimming 0%-100%
182	000-255	(RGB-2-2) Green fine-tuning 0%-100%
183	000-255	(RGB-2-2) Blue dimming 0%-100%
184	000-255	(RGB-2-2) Blue fine-tuning 0%-100%
185	000-255	(RGB-2-3) Red dimming 0%-100%
186	000-255	(RGB-2-3) Red fine-tuning 0%-100%
187	000-255	(RGB-2-3) Green dimming 0%-100%
188	000-255	(RGB-2-3) Green fine-tuning 0%-100%
189	000-255	(RGB-2-3) Blue dimming 0%-100%
190	000-255	(RGB-2-3) Blue fine-tuning 0%-100%
191	000-255	(RGB-2-4) Red dimming 0%-100%
192	000-255	(RGB-2-4) Red fine-tuning 0%-100%
193	000-255	(RGB-2-4) Green dimming 0%-100%
194	000-255	(RGB-2-4) Green fine-tuning 0%-100%
195	000-255	(RGB-2-4) Blue dimming 0%-100%
196	000-255	(RGB-2-4) Blue fine-tuning 0%-100%
197	000-255	(RGB-2-5) Red dimming 0%-100%
198	000-255	(RGB-2-5) Red fine-tuning 0%-100%
199	000-255	(RGB-2-5) Green dimming 0%-100%
200	000-255	(RGB-2-5) Green fine-tuning 0%-100%
201	000-255	(RGB-2-5) Blue dimming 0%-100%
202	000-255	(RGB-2-5) Blue fine-tuning 0%-100%
203	000-255	(RGB-2-6) Red dimming 0%-100%
204	000-255	(RGB-2-6) Red fine-tuning 0%-100%
205	000-255	(RGB-2-6) Green dimming 0%-100%
206	000-255	(RGB-2-6) Green fine-tuning 0 percent-100%
207	000-255	(RGB-2-6) Blue dimming 0%-100%
208	000-255	(RGB-2-6) Blue fine-tuning 0%-100%
209		Function settings (hold the selected DMX value for 3 seconds to apply)
	000-005	No function
	006-010	Screen off setting (always on)
	011-015	Screen off setting (2 minutes)
	016-018	No function
	019-023	Black field
	024-028	Keeping
	029-036	No function
	037-041	Dimming curve: linear
	042-046	Dimming curve: squared

	047-051	Dimming curve: inverse square
	052-056	Dimming curve: S-line
	057-061	No function
	062-066	Dimming speed: fast
	067-071	Dimming speed: medium speed
	072-076	Dimming speed: slow
	077-080	No function
	081-085	Color calibration: full calibration
	086-090	Color calibration: CCT calibration
	091-093	No function
	094-098	Dimming frequency: 16K
	099-103	Dimming frequency: 32K
	104-126	No function
	127-131	Fan automatic
	132-136	Maximum speed of fan
	137-149	No function
	150-153	Inverted RGB panel 1 off
	154-157	Inverted RGB panel 1 on
	158-161	Inverted RGB panel 2 off
	162-165	Inverted RGB panel 2 on
	166-169	Inverted center tube panel off
	170-173	Inverted center tube panel on
	174-177	Inverted W lamp 1 off
	178-181	Inverted W tube 1 on
	182-185	Inverted W tube 2 off
	186-189	Inverted W tube 2 on
	190-193	Inverted W tube 3 off
	194-197	Inverted W tube 3 on
	198-201	Inverted W lamp 4 off
	202-205	Inverted W tube 4 on
	206-209	Swap the RGB panel off
	210-213	Swap the RGB panel on
	214-217	Swap W lamp off
	218-221	Swap W tube on
	222-224	No function
	225-229	Low power mode
	230-234	High power mode
	235-237	No function
	238-242	Factory settings (without restoring DMX address and mode)
	243-247	User defined factory settings (without restoring DMX address and mode)
	248-255	No function

8. DMX512 - 178-Channel Mode

Channel	DMX Value	Function
1	000-255	Master dimmer: 0-100%
2	000-255	(Central tube-1) Dimming 0%-100%
3	000-255	(Central tube-2) Dimming 0%-100%
4	000-255	(Central tube-3) Dimming 0%-100%
5	000-255	(Central tube-4) Dimming 0%-100%
6	000-255	(Central tube-5) Dimming 0%-100%
7	000-255	(Central tube-6) Dimming 0%-100%
8	000-255	(Central tube-7) Dimming 0%-100%
9	000-255	(Central tube-8) Dimming 0%-100%
10	000-255	(Central tube-9) Dimming 0%-100%
11	000-255	(Central tube-10) Dimming 0%-100%
12	000-255	(Central tube-11) Dimming 0%-100%
13	000-255	(Central tube-12) Dimming 0%-100%
14		Central tube Light tube shutter strobe
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
15	000-255	Central tube Strobe duration 0%-100%

16	000-255	Central tube tube mode dimming 0%-100%
17	000-255	Central tube Static mode selection of lamp tube 000-005: Empty 006-247: Effect selection 248-255: Empty
18	000-005 006-255	Central tube mode switching time No function 1 Seconds-250 seconds
19	000-005 006-124 125-130 131-249 250-255	Central tube mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
20	000-005 006-255	Central tube Fade in and out Fast switchover Short to long duration
21	000-041 042-084 085-127 128-170 171-213 214-255	Central tube segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
22	000-255	(W-1-1) Dimming 0%-100%
23	000-255	(W-1-2) Dimming 0%-100%
24	000-255	(W-1-3) Dimming 0%-100%
25	000-255	(W-1-4) Dimming 0%-100%
26	000-255	(W-1-5) Dimming 0%-100%
27	000-255	(W-1-6) Dimming 0%-100%
28	000-255	(W-1-7) Dimming 0%-100%
29	000-255	(W-1-8) Dimming 0%-100%
30	000-255	(W-1-9) Dimming 0%-100%
31	000-255	(W-1-10) Dimming 0%-100%
32	000-255	(W-1-11) Dimming 0%-100%
33	000-255	(W-1-12) Dimming 0%-100%
34	000-019 020-024 025-064 065-069 070-084 085-089 090-104	(W-1) Light tube shutter (strobe) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow)

	105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	Shutter open Strobe 4 random flicker (fast to slow) Shutter open Strobe 5 random slow bright pulses (fast to slow) Shutter open Strobe 6 random slow extinction pulse (fast to slow) Shutter open Strobe 7 burst pulses (fast to slow) Shutter open Strobe 8 random burst pulses (fast to slow) Shutter open Strobe 9 sine pulses (fast to slow) Shutter open Strobe 10 burst flicker (fast to slow) Shutter open
35	000-255	(W-1) Strobe duration 0%-100%
36	000-255	(W-1) tube mode dimming 0%-100%
37	000-255	(W-1) Static mode selection of lamp tube 000-005: Empty 006-247: Effect selection 248-255: Empty
38	000-005 006-255	(W-1) mode switching time No function 1 Seconds-250 seconds
39	000-005 006-124 125-130 131-249 250-255	(W-1) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
40	000-005 006-255	(W-1) Fade in and out Fast switchover Short to long duration
41	000-041 042-084 085-127 128-170 171-213 214-255	(W-1) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
42	000-255	(W-2-1) Dimming 0%-100%
43	000-255	(W-2-2) Dimming 0%-100%
44	000-255	(W-2-3) Dimming 0%-100%
45	000-255	(W-2-4) Dimming 0%-100%

46	000-255	(W-2-5) Dimming 0%-100%
47	000-255	(W-2-6) Dimming 0%-100%
48	000-255	(W-2-7) Dimming 0%-100%
49	000-255	(W-2-8) Dimming 0%-100%
50	000-255	(W-2-9) Dimming 0%-100%
51	000-255	(W-2-10) Dimming 0%-100%
52	000-255	(W-2-11) Dimming 0%-100%
53	000-255	(W-2-12 Dimming 0%-100%
54	 000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	(W-2) Light tube shutter (strobe) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random flicker (fast to slow) Shutter open Strobe 5 random slow bright pulses (fast to slow) Shutter open Strobe 6 random slow extinction pulse (fast to slow) Shutter open Strobe 7 burst pulses (fast to slow) Shutter open Strobe 8 random burst pulses (fast to slow) Shutter open Strobe 9 sine pulses (fast to slow) Shutter open Strobe 10 burst flicker (fast to slow) Shutter open
55	000-255	(W-2) Strobe duration 0%-100%
56	000-255	(W-2) tube mode dimming 0%-100%
57	000-255	(W-2) Static mode selection of lamp tube 000-005: Empty 006-247: Effect selection 248-255: Empty
58	 000-005 006-255	(W-2) mode switching time No function 1 Seconds-250 seconds
59	 000-005 006-124 125-130	(W-2) mode running speed No function From left to right / fast to slow No function

	131-249 250-255	From right to left / slow to fast No function
60	 000-005 006-255	(W-2) Fade in and out Fast switchover Short to long duration
61	 000-041 042-084 085-127 128-170 171-213 214-255	(W-2) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
62	000-255	(W-3-1) Dimming 0%-100%
63	000-255	(W-3-2) Dimming 0%-100%
64	000-255	(W-3-3) Dimming 0%-100%
65	000-255	(W-3-4) Dimming 0%-100%
66	000-255	(W-3-5) Dimming 0%-100%
67	000-255	(W-3-6) Dimming 0%-100%
68	000-255	(W-3-7) Dimming 0%-100%
69	000-255	(W-3-8) Dimming 0%-100%
70	000-255	(W-3-9) Dimming 0%-100%
71	000-255	(W-3-10) Dimming 0%-100%
72	000-255	(W-3-11) Dimming 0%-100%
73	000-255	(W-3-12) Dimming 0%-100%
74	 000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224	(W-3) Light tube shutter (flashing) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random flicker (fast to slow) Shutter open Strobe 5 random slow bright pulses (fast to slow) Shutter open Strobe 6 random slow extinction pulse (fast to slow) Shutter open Strobe 7 burst pulses (fast to slow) Shutter open Strobe 8 random burst pulses (fast to slow) Shutter open Strobe 9 sine pulses (fast to slow)

	225-229 230-244 245-255	Shutter open Strobe 10 burst flicker (fast to slow) Shutter open
75	000-255	(W-3) Strobe duration 0%-100%
76	000-255	(W-3) tube mode dimming 0%-100%
77	000-255	(W-3) Static mode selection of lamp tube 000-005: Empty 006-247: Effect selection 248-255: Empty
78	000-005 006-255	(W-3) mode switching time No function 1 Seconds-250 seconds
79	000-005 006-124 125-130 131-249 250-255	(W-3) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
80	000-005 006-255	(W-3) Fade in and out Fast switchover Short to long duration
81	000-041 042-084 085-127 128-170 171-213 214-255	(W-3) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
82	000-255	(W-4-1) Dimming 0%-100%
83	000-255	(W-4-2) Dimming 0%-100%
84	000-255	(W-4-3) Dimming 0%-100%
85	000-255	(W-4-4) Dimming 0%-100%
86	000-255	(W-4-5) Dimming 0%-100%
87	000-255	(W-4-6) Dimming 0%-100%
88	000-255	(W-4-7) Dimming 0%-100%
89	000-255	(W-4-8) Dimming 0%-100%
90	000-255	(W-4-9) Dimming 0%-100%
91	000-255	(W-4-10) Dimming 0%-100%
92	000-255	(W-4-11) Dimming 0%-100%
93	000-255	(W-4-12) Dimming 0%-100%
94	000-019 020-024 025-064	(W-4) Light tube shutter (strobe) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow)

	065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random flicker (fast to slow) Shutter open Strobe 5 random slow bright pulses (fast to slow) Shutter open Strobe 6 random slow extinction pulse (fast to slow) Shutter open Strobe 7 burst pulses (fast to slow) Shutter open Strobe 8 random burst pulses (fast to slow) Shutter open Strobe 9 sine pulses (fast to slow) Shutter open Strobe 10 burst flicker (fast to slow) Shutter open
95	000-255	(W-4) Strobe duration 0%-100%
96	000-255	(W-4) Light tube mode dimming 0%-100%
97	000-255	(W-4) Static mode selection of lamp tube 000-005: Empty 006-247: Effect selection 248-255: Empty
98	000-005 006-255	(W-4) mode switching time No function 1 Seconds-250 seconds
99	000-005 006-124 125-130 131-249 250-255	(W-4) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
100	000-005 006-255	(W-4) Fade in and out Fast switchover Short to long duration
101	000-041 042-084 085-127 128-170 171-213 214-255	(W-4) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space

102	000-255	(W 1-4) Light tube mode dimming 0%-100%
103	000-255	(W 1-4) Lamp effect mode selection 000-005: Empty 006-147: Effect selection 148-255: Empty
104	000-005 006-255	(W 1-4) mode switching time No function 1 Seconds-250 seconds
105	000-005 006-124 125-130 131-249 250-255	(W 1-4) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
106	000-005 006-255	(W 1-4) Fade in and out Fast switchover Short to long duration
107	000-041 042-084 085-127 128-170 171-213 214-255	(W 1-4) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
108	000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224	(RGB-1) Shutter (Flashing) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random strobe (fast to slow) Shutter open Strobe 5 random on pulse (fast to slow) Shutter open Strobe 6 random closing pulse (fast to slow) Shutter open Strobe 7 on pulse (fast to slow) Shutter open Strobe 8 random on pulse (fast to slow) Shutter open Strobe 9 sine wave (fast to slow)

	225-229 230-244 245-255	Shutter open Strobe 10 bursts of strobe (fast to slow) Shutter open
109	000-255	(RGB-1) Strobe duration 0%-100%
110	000-255	(RGB-1) mode dimming 0%-100%
111	000-255	(RGB-1) mode selection 000-005: Empty 006-082: Effect selection 083-255: Empty
112	000-005 006-255	(RGB-1) mode switching time No function 1 Seconds-250 seconds
113	000-005 006-124 125-130 131-249 250-255	(RGB-1) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
114	000-005 006-255	(RGB-1) Fade in and out Fast switchover Short to long duration
115	000-041 042-084 085-127 128-170 171-213 214-255	(RGB-1) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
116	000-255	(RGB-1) mode red 0%-100%
117	000-255	(RGB-1) mode green 0%-100%
118	000-255	(RGB-1) mode Blue 0%-100%
119	001-255	(RGB-1) color temperature 2000K-10000K
120	000-255	(RGB-1-1) Red 0%-100%
121	000-255	(RGB-1-1) Green 0%-100%
122	000-255	(RGB-1-1) Blue 0%-100%
123	000-255	(RGB-1-2) Red 0%-100%
124	000-255	(RGB-1-2) Green 0%-100%
125	000-255	(RGB-1-2) Blue 0%-100%
126	000-255	(RGB-1-3) Red 0%-100%
127	000-255	(RGB-1-3) Green 0%-100%
128	000-255	(RGB-1-3) Blue 0%-100%
129	000-255	(RGB-1-4) Red 0%-100%
130	000-255	(RGB-1-4) Green 0%-100%

131	000-255	(RGB-1-4) Blue 0%-100%
132	000-255	(RGB-1-5) Red 0%-100%
133	000-255	(RGB-1-5) Green 0%-100%
134	000-255	(RGB-1-5) Blue 0%-100%
135	000-255	(RGB-1-6) Red 0%-100%
136	000-255	(RGB-1-6) Green 0%-100%
137	000-255	(RGB-1-6) Blue 0%-100%
138	 000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	(RGB-2) Shutter (Flashing) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random strobe (fast to slow) Shutter open Strobe 5 random on pulse (fast to slow) Shutter open Strobe 6 random closing pulse (fast to slow) Shutter open Strobe 7 on pulse (fast to slow) Shutter open Strobe 8 random on pulse (fast to slow) Shutter open Strobe 9 sine wave (fast to slow) Shutter open Strobe 10 bursts of strobe (fast to slow) Shutter open
139	000-255	(RGB-2) Strobe duration 0%-100%
140	000-255	(RGB-2) mode dimming 0%-100%
141	000-255	(RGB-2) mode selection 000-005: Empty 006-082: Effect selection 083-255: Empty
142	 000-005 006-255	(RGB-2) mode switching time No function 1 Seconds-250 seconds
143	 000-005 006-124 125-130 131-249	(RGB-2) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast

	250-255	No function
144	000-005 006-255	(RGB-2) Fade in and out Fast switchover Short to long duration
145	000-041 042-084 085-127 128-170 171-213 214-255	(RGB-2) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
146	000-255	(RGB-2) mode red 0%-100%
147	000-255	(RGB-2) mode green 0%-100%
148	000-255	(RGB-2) mode Blue 0%-100%
149	001-255	(RGB-2) color temperature 2000K-10000K
150	000-255	(RGB-2-1) Red 0%-100%
151	000-255	(RGB-2-1) Green 0%-100%
152	000-255	(RGB-2-1) Blue 0%-100%
153	000-255	(RGB-2-2) Red 0%-100%
154	000-255	(RGB-2-2) Green 0%-100%
155	000-255	(RGB-2-2) Blue 0%-100%
156	000-255	(RGB-2-3) Red 0%-100%
157	000-255	(RGB-2-3) Green 0%-100%
158	000-255	(RGB-2-3) Blue 0%-100%
159	000-255	(RGB-2-4) Red 0%-100%
160	000-255	(RGB-2-4) Green 0%-100%
161	000-255	(RGB-2-4) Blue 0%-100%
162	000-255	(RGB-2-5) Red 0%-100%
163	000-255	(RGB-2-5) Green 0%-100%
164	000-255	(RGB-2-5) Blue 0%-100%
165	000-255	(RGB-2-6) Red 0%-100%
166	000-255	(RGB-2-6) Green 0%-100%
167	000-255	(RGB-2-6) Blue 0%-100%
168	000-255	(RGB1-2) mode dimming 0%-100%
169	000-255	(RGB1-2) mode selection 000-005: Empty 006-052: Effect selection 053-255: Empty
170	000-005 006-255	(RGB1-2) mode switching time No function 1 Seconds-250 seconds
171	000-005	(RGB1-2) mode running speed No function

	006-124 125-130 131-249 250-255	From left to right / fast to slow No function From right to left / slow to fast No function
172	 000-005 006-255	(RGB1-2) Fade in and out Fast switchover Short to long duration
173	 000-041 042-084 085-127 128-170 171-213 214-255	(RGB1-2) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
174	000-255	(RGB1-2) mode red 0%-100%
175	000-255	(RGB1-2) mode green 0%-100%
176	000-255	(RGB1-2) mode Blue 0%-100%
177	 001-255	(RGB1-2) mode color temperature 2000K-10000K
178		Function settings (hold the selected DMX value for 3 seconds to apply)
	000-005	No function
	006-010	Screen off setting (always on)
	011-015	Screen off setting (2 minutes)
	016-018	No function
	019-023	Black field
	024-028	Keeping
	029-033	emergency
	034-036	No function
	037-041	Dimming curve: linear
	042-046	Dimming curve: squared
	047-051	Dimming curve: inverse square
	052-056	Dimming curve: S-line
	057-061	No function
	062-066	Dimming speed: fast
	067-071	Dimming speed: medium speed
	072-076	Dimming speed: slow
	077-080	No function
	081-085	Color calibration: full calibration
	086-090	Color calibration: CCT calibration
	091-093	No function
	094-098	Dimming frequency: 16K
	099-103	Dimming frequency: 32K
	104-126	No function

	127-131	Fan automatic
	132-136	Maximum speed of fan
	137-149	No function
	150-153	Inverted RGB panel 1 off
	154-157	Inverted RGB panel 1 on
	158-161	Inverted RGB panel 2 off
	162-165	Inverted RGB panel 2 on
	166-169	Inverted center tube panel off
	170-173	Inverted center tube panel on
	174-177	Inverted W lamp 1 off
	178-181	Inverted W tube 1 on
	182-185	Inverted W tube 2 off
	186-189	Inverted W tube 2 on
	190-193	Inverted W tube 3 off
	194-197	Inverted W tube 3 on
	198-201	Inverted W lamp 4 off
	202-205	Inverted W tube 4 on
	206-209	Swap the RGB panel off
	210-213	Swap the RGB panel on
	214-217	Swap W lamp off
	218-221	Swap W tube on
	222-224	No function
	225-229	Low power mode
	230-234	High power mode
	235-237	No function
	238-242	Factory settings (without restoring DMX address and mode)
	243-247	User defined factory settings (without restoring DMX address and mode)
	248-255	No function

9. DMX512 - 275-Channel Mode

Channel	DMX Value	Function
1	000-255	Master dimmer: 0-100%
2	000-255	Overall fine-tuning 0-100%
3	000-255	(Central tube-1) Dimming 0%-100%
4	000-255	(Central tube-1) fine-tuning 0%-100%
5	000-255	(Central tube-2) Dimming 0%-100%
6	000-255	(Central tube-2) fine-tuning 0%-100%
7	000-255	(Central tube-3) Dimming 0%-100%

8	000-255	(Central tube-3) fine-tuning 0%-100%
9	000-255	(Central tube-4) Dimming 0%-100%
10	000-255	(Central tube-4) fine-tuning 0%-100%
11	000-255	(Central tube-5) Dimming 0%-100%
12	000-255	(Central tube-5) fine-tuning 0%-100%
13	000-255	(Central tube-6) Dimming 0%-100%
14	000-255	(Central tube-6) fine-tuning 0%-100%
15	000-255	(Central tube-7) Dimming 0%-100%
16	000-255	(Central tube-7) fine-tuning 0%-100%
17	000-255	(Central tube-8) Dimming 0%-100%
18	000-255	(Central tube-8) fine-tuning 0%-100%
19	000-255	(Central tube-9) Dimming 0%-100%
20	000-255	(Central tube-9) fine-tuning 0%-100%
21	000-255	(Central tube-10) Dimming 0%-100%
22	000-255	(Central tube-10) fine-tuning 0%-100%
23	000-255	(Central tube-11) Dimming 0%-100%
24	000-255	(Central tube-11) fine-tuning 0%-100%
25	000-255	(Central tube-12) Dimming 0%-100%
26	000-255	(Central tube-12) fine-tuning 0%-100%
27		Central tube Light tube shutter strobe
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
28	000-255	Central tube Strobe duration 0%-100%
29	000-255	Central tube mode dimming 0%-100%

30	000-255	Central tube Static mode selection of lamp tube 000-005: Empty 006-247: Effect selection 248-255: Empty
31	000-005 006-255	Central tube mode switching time No function 1 Seconds-250 seconds
32	000-005 006-124 125-130 131-249 250-255	Central tube mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
33	000-005 006-255	Central tube Fade in and out Fast switchover Short to long duration
34	000-041 042-084 085-127 128-170 171-213 214-255	Central tube segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
35	000-255	(W-1-1) Dimming 0%-100%
36	000-255	(W-1-1) fine-tuning 0%-100%
37	000-255	(W-1-2) Dimming 0%-100%
38	000-255	(W-1-2) fine-tuning 0%-100%
39	000-255	(W-1-3) Dimming 0%-100%
40	000-255	(W-1-3) fine-tuning 0%-100%
41	000-255	(W-1-4) Dimming 0%-100%
42	000-255	(W-1-4) fine-tuning 0%-100%
43	000-255	(W-1-5) Dimming 0%-100%
44	000-255	(W-1-5) fine-tuning 0%-100%
45	000-255	(W-1-6) Dimming 0%-100%
46	000-255	(W-1-6) fine-tuning 0%-100%
47	000-255	(W-1-7) Dimming 0%-100%
48	000-255	(W-1-7) fine-tuning 0%-100%
49	000-255	(W-1-8) Dimming 0%-100%
50	000-255	(W-1-8) fine-tuning 0%-100%
51	000-255	(W-1-9) Dimming 0%-100%
52	000-255	(W-1-9) fine-tuning 0%-100%
53	000-255	(W-1-10) Dimming 0%-100%
54	000-255	(W-1-10) fine-tuning 0%-100%
55	000-255	(W-1-11) Dimming 0%-100%

56	000-255	(W-1-11) fine-tuning 0%-100%
57	000-255	(W-1-12) Dimming 0%-100%
58	000-255	(W-1-12) fine-tuning 0%-100%
59		(W-1) Light tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
60	000-255	(W-1) Strobe duration 0%-100%
61	000-255	(W-1) tube mode dimming 0%-100%
62	000-255	(W-1) Static mode selection of lamp tube 000-005: Empty 006-247: Effect selection 248-255: Empty
63		(W-1) mode switching time
	000-005	No function
	006-255	1 Seconds-250 seconds
64		(W-1) mode running speed
	000-005	No function
	006-124	From left to right / fast to slow
	125-130	No function
	131-249	From right to left / slow to fast
	250-255	No function
65		(W-1) Fade in and out
	000-005	Fast switchover
	006-255	Short to long duration

66		(W-1) segment space
	000-041	1 segment space
	042-084	2 segment space
	085-127	3 segment space
	128-170	4 segment space
	171-213	5 segment space
	214-255	6 segment space
67	000-255	(W-2-1) Dimming 0%-100%
68	000-255	(W-2-1) fine-tuning 0%-100%
69	000-255	(W-2-2) Dimming 0%-100%
70	000-255	(W-2-2) fine-tuning 0%-100%
71	000-255	(W-2-3) Dimming 0%-100%
72	000-255	(W-2-3) fine-tuning 0%-100%
73	000-255	(W-2-4) Dimming 0%-100%
74	000-255	(W-2-4) fine-tuning 0%-100%
75	000-255	(W-2-5) Dimming 0%-100%
76	000-255	(W-2-5) fine-tuning 0%-100%
77	000-255	(W-2-6) Dimming 0%-100%
78	000-255	(W-2-6) fine-tuning 0%-100%
79	000-255	(W-2-7) Dimming 0%-100%
80	000-255	(W-2-7) fine-tuning 0%-100%
81	000-255	(W-2-8) Dimming 0%-100%
82	000-255	(W-2-8) fine-tuning 0%-100%
83	000-255	(W-2-9) Dimming 0%-100%
84	000-255	(W-2-9) fine-tuning 0%-100%
85	000-255	(W-2-10) Dimming 0%-100%
86	000-255	(W-2-10) fine-tuning 0%-100%
87	000-255	(W-2-11) Dimming 0%-100%
88	000-255	(W-2-11) fine-tuning 0%-100%
89	000-255	(W-2-12) Dimming 0%-100%
90	000-255	(W-2-12) fine-tuning 0%-100%
91		(W-2) Light tube shutter (strobe)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open

	150-164 165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	Strobe 6 random slow extinction pulse (fast to slow) Shutter open Strobe 7 burst pulses (fast to slow) Shutter open Strobe 8 random burst pulses (fast to slow) Shutter open Strobe 9 sine pulses (fast to slow) Shutter open Strobe 10 burst flicker (fast to slow) Shutter open
92	000-255	(W-2) Strobe duration 0%-100%
93	000-255	(W-2) tube mode dimming 0%-100%
94	000-255	(W-2) Static mode selection of lamp tube 000-005: Empty 006-247: Effect selection 248-255: Empty
95	000-005 006-255	(W-2) mode switching time No function 1 Seconds-250 seconds
96	000-005 006-124 125-130 131-249 250-255	(W-2) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
97	000-005 006-255	(W-2) Fade in and out Fast switchover Short to long duration
98	000-041 042-084 085-127 128-170 171-213 214-255	(W-2) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
99	000-255	(W-3-1) Dimming 0%-100%
100	000-255	(W-3-1) fine-tuning 0%-100%
101	000-255	(W-3-2) Dimming 0%-100%
102	000-255	(W-3-2) fine-tuning 0%-100%
103	000-255	(W-3-3) Dimming 0%-100%
104	000-255	(W-3-3) fine-tuning 0%-100%
105	000-255	(W-3-4) Dimming 0%-100%
106	000-255	(W-3-4) fine-tuning 0%-100%
107	000-255	(W-3-5) Dimming 0%-100%

108	000-255	(W-3-5) fine-tuning 0%-100%
109	000-255	(W-3-6) Dimming 0%-100%
110	000-255	(W-3-6) fine-tuning 0%-100%
111	000-255	(W-3-7) Dimming 0%-100%
112	000-255	(W-3-7) fine-tuning 0%-100%
113	000-255	(W-3-8) Dimming 0%-100%
114	000-255	(W-8-8) fine-tuning 0%-100%
115	000-255	(W-3-9) Dimming 0%-100%
116	000-255	(W-3-9) fine-tuning 0%-100%
117	000-255	(W-3-10) Dimming 0%-100%
118	000-255	(W-3-10) fine-tuning 0%-100%
119	000-255	(W-3-11) Dimming 0%-100%
120	000-255	(W-3-11) fine-tuning 0%-100%
121	000-255	(W-3-12) Dimming 0%-100%
122	000-255	(W-3-12) fine-tuning 0%-100%
123		(W-3) Light tube shutter (flashing)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random flicker (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random slow bright pulses (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random slow extinction pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 burst pulses (fast to slow)
	185-189	Shutter open
	190-204	Strobe 8 random burst pulses (fast to slow)
	205-209	Shutter open
	210-224	Strobe 9 sine pulses (fast to slow)
	225-229	Shutter open
	230-244	Strobe 10 burst flicker (fast to slow)
	245-255	Shutter open
124	000-255	(W-3) Strobe duration 0%-100%
125	000-255	(W-3) tube mode dimming 0%-100%
126	000-255	(W-3) Static mode selection of lamp tube 000-005: Empty 006-247: Effect selection 248-255: Empty

127	000-005 006-255	(W-3) mode switching time No function 1 Seconds-250 seconds
128	000-005 006-124 125-130 131-249 250-255	(W-3) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
129	000-005 006-255	(W-3) Fade in and out Fast switchover Short to long duration
130	000-041 042-084 085-127 128-170 171-213 214-255	(W-3) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
131	000-255	(W-4-1) Dimming 0%-100%
132	000-255	(W-4-1) fine-tuning 0%-100%
133	000-255	(W-4-2) Dimming 0%-100%
134	000-255	(W-4-2) fine-tuning 0%-100%
135	000-255	(W-4-3) Dimming 0%-100%
136	000-255	(W-4-3) fine-tuning 0%-100%
137	000-255	(W-4-4) Dimming 0%-100%
138	000-255	(W-4-4) fine-tuning 0%-100%
139	000-255	(W-4-5) Dimming 0%-100%
140	000-255	(W-4-5) fine-tuning 0%-100%
141	000-255	(W-4-6) Dimming 0%-100%
142	000-255	(W-4-6) fine-tuning 0%-100%
143	000-255	(W-4-7) Dimming 0%-100%
144	000-255	(W-4-7) fine-tuning 0%-100%
145	000-255	(W-4-8) Dimming 0%-100%
146	000-255	(W-8-8) fine-tuning 0%-100%
147	000-255	(W-4-9) Dimming 0%-100%
148	000-255	(W-4-9) fine-tuning 0%-100%
149	000-255	(W-4-10) Dimming 0%-100%
150	000-255	(W-4-10) fine-tuning 0%-100%
151	000-255	(W-4-11) Dimming 0%-100%
152	000-255	(W-4-11) fine-tuning 0%-100%
153	000-255	(W-4-12) Dimming 0%-100%
154	000-255	(W-4-12) fine-tuning 0%-100%
155		(W-4) Light tube shutter (strobe)

	000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random flicker (fast to slow) Shutter open Strobe 5 random slow bright pulses (fast to slow) Shutter open Strobe 6 random slow extinction pulse (fast to slow) Shutter open Strobe 7 burst pulses (fast to slow) Shutter open Strobe 8 random burst pulses (fast to slow) Shutter open Strobe 9 sine pulses (fast to slow) Shutter open Strobe 10 burst flicker (fast to slow) Shutter open
156	000-255	(W-4) Strobe duration 0%-100%
157	000-255	(W-4) Light tube mode dimming 0%-100%
158	000-255	(W-4) Static mode selection of lamp tube 000-005: Empty 006-247: Effect selection 248-255: Empty
159	000-005 006-255	(W-4) mode switching time No function 1 Seconds-250 seconds
160	000-005 006-124 125-130 131-249 250-255	(W-4) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
161	000-005 006-255	(W-4) Fade in and out Fast switchover Short to long duration
162	000-041 042-084 085-127	(W-4) segment space 1 segment space 2 segment space 3 segment space

	128-170 171-213 214-255	4 segment space 5 segment space 6 segment space
163	000-255	(W 1-4) Light tube mode dimming 0%-100%
164	000-255	(W 1-4) Lamp effect mode selection 000-005: Empty 006-147: Effect selection 148-255: Empty
165	000-005 006-255	(W 1-4) mode switching time No function 1 Seconds-250 seconds
166	000-005 006-124 125-130 131-249 250-255	(W 1-4) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
167	000-005 006-255	(W 1-4) Fade in and out Fast switchover Short to long duration
168	000-041 042-084 085-127 128-170 171-213 214-255	(W 1-4) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
169	000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189	(RGB-1) Shutter (Flashing) Shutter close Shutter open Strobe 1 Normal Strobe (fast to slow) Shutter open Strobe 2 on pulse (fast to slow) Shutter open Strobe 3 turn off pulse (fast to slow) Shutter open Strobe 4 random strobe (fast to slow) Shutter open Strobe 5 random on pulse (fast to slow) Shutter open Strobe 6 random closing pulse (fast to slow) Shutter open Strobe 7 on pulse (fast to slow) Shutter open

	190-204 205-209 210-224 225-229 230-244 245-255	Strobe 8 random on pulse (fast to slow) Shutter open Strobe 9 sine wave (fast to slow) Shutter open Strobe 10 bursts of strobe (fast to slow) Shutter open
170	000-255	(RGB-1) Strobe duration 0%-100%
171	000-255	(RGB-1) mode dimming 0%-100%
172	000-255	(RGB-1) mode selection 000-005: Empty 006-082: Effect selection 083-255: Empty
173	000-005 006-255	(RGB-1) mode switching time No function 1 Seconds-250 seconds
174	000-005 006-124 125-130 131-249 250-255	(RGB-1) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
175	000-005 006-255	(RGB-1) Fade in and out Fast switchover Short to long duration
176	000-041 042-084 085-127 128-170 171-213 214-255	(RGB-1) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
177	000-255	(RGB-1) mode red 0%-100%
178	000-255	(RGB-1) mode green 0%-100%
179	000-255	(RGB-1) mode Blue 0%-100%
180	001-255	(RGB-1) color temperature 2000K-10000K
181	000-255	(RGB-1-1) Red dimming 0%-100%
182	000-255	(RGB-1-1) Red fine-tuning 0%-100%
183	000-255	(RGB-1-1) Green dimming 0%-100%
184	000-255	(RGB-1-1) Green fine-tuning 0%-100%
185	000-255	(RGB-1-1) Blue dimming 0%-100%
186	000-255	(RGB-1-1) Blue fine-tuning 0%-100%
187	000-255	(RGB-1-2) Red dimming 0%-100%
188	000-255	(RGB-1-2) Red fine-tuning 0%-100%

189	000-255	(RGB-1-2) Green dimming 0%-100%
190	000-255	(RGB-1-2) Green fine-tuning 0%-100%
191	000-255	(RGB-1-2) Blue dimming 0%-100%
192	000-255	(RGB-1-2) Blue fine-tuning 0%-100%
193	000-255	(RGB-1-3) Red dimming 0%-100%
194	000-255	(RGB-1-3) Red fine-tuning 0%-100%
195	000-255	(RGB-1-3) Green dimming 0%-100%
196	000-255	(RGB-1-3) Green fine-tuning 0%-100%
197	000-255	(RGB-1-3) Blue dimming 0%-100%
198	000-255	(RGB-1-3) Blue fine-tuning 0%-100%
199	000-255	(RGB-1-4) Red dimming 0%-100%
200	000-255	(RGB-1-4) Red fine-tuning 0%-100%
201	000-255	(RGB-1-4) Green dimming 0%-100%
202	000-255	(RGB-1-4) Green fine-tuning 0%-100%
203	000-255	(RGB-1-4) Blue dimming 0%-100%
204	000-255	(RGB-1-4) Blue fine-tuning 0%-100%
205	000-255	(RGB-1-5) Red dimming 0%-100%
206	000-255	(RGB-1-5) Red fine-tuning 0%-100%
207	000-255	(RGB-1-5) Green dimming 0%-100%
208	000-255	(RGB-1-5) Green fine-tuning 0%-100%
209	000-255	(RGB-1-5) Blue dimming 0%-100%
210	000-255	(RGB-1-5) Blue fine-tuning 0%-100%
211	000-255	(RGB-1-6) Red dimming 0%-100%
212	000-255	(RGB-1-6) Red fine-tuning 0%-100%
213	000-255	(RGB-1-6) Green dimming 0%-100%
214	000-255	(RGB-1-6) Green fine-tuning 0%-100%
215	000-255	(RGB-1-6) Blue dimming 0%-100%
216	000-255	(RGB-1-6) Blue fine-tuning 0%-100%
217		(RGB-2) Shutter (Flashing)
	000-019	Shutter close
	020-024	Shutter open
	025-064	Strobe 1 Normal Strobe (fast to slow)
	065-069	Shutter open
	070-084	Strobe 2 on pulse (fast to slow)
	085-089	Shutter open
	090-104	Strobe 3 turn off pulse (fast to slow)
	105-109	Shutter open
	110-124	Strobe 4 random strobe (fast to slow)
	125-129	Shutter open
	130-144	Strobe 5 random on pulse (fast to slow)
	145-149	Shutter open
	150-164	Strobe 6 random closing pulse (fast to slow)
	165-169	Shutter open
	170-184	Strobe 7 on pulse (fast to slow)

	185-189 190-204 205-209 210-224 225-229 230-244 245-255	Shutter open Strobe 8 random on pulse (fast to slow) Shutter open Strobe 9 sine wave (fast to slow) Shutter open Strobe 10 bursts of strobe (fast to slow) Shutter open
218	000-255	(RGB-2) Strobe duration 0%-100%
219	000-255	(RGB-2) mode dimming 0%-100%
220	000-255	(RGB-2) mode selection 000-005: Empty 006-082: Effect selection 083-255: Empty
221	 000-005 006-255	(RGB-2) mode switching time No function 1 Seconds-250 seconds
222	 000-005 006-124 125-130 131-249 250-255	(RGB-2) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
223	 000-005 006-255	(RGB-2) Fade in and out Fast switchover Short to long duration
224	 000-041 042-084 085-127 128-170 171-213 214-255	(RGB-2) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
225	000-255	(RGB-2) mode red 0%-100%
226	000-255	(RGB-2) mode green 0%-100%
227	000-255	(RGB-2) mode Blue 0%-100%
228	 001-255	(RGB-2) color temperature 2000K-10000K
229	000-255	(RGB-2-1) Red dimming 0%-100%
230	000-255	(RGB-2) Red fine-tuning 0%-100%
231	000-255	(RGB-2-1) Green dimming 0%-100%
232	000-255	(RGB-2) Green fine-tuning 0%-100%
233	000-255	(RGB-2-1) Blue dimming 0%-100%
234	000-255	(RGB-2) Blue fine-tuning 0%-100%
235	000-255	(RGB-2-2) Red dimming 0%-100%

236	000-255	(RGB-2-2) Red fine-tuning 0%-100%
237	000-255	(RGB-2-2) Green dimming 0%-100%
238	000-255	(RGB-2-2) Green fine-tuning 0%-100%
239	000-255	(RGB-2-2) Blue dimming 0%-100%
240	000-255	(RGB-2-2) Blue fine-tuning 0%-100%
241	000-255	(RGB-2-3) Red dimming 0%-100%
242	000-255	(RGB-2-3) Red fine-tuning 0%-100%
243	000-255	(RGB-2-3) Green dimming 0%-100%
244	000-255	(RGB-2-3) Green fine-tuning 0%-100%
245	000-255	(RGB-2-3) Blue dimming 0%-100%
246	000-255	(RGB-2-3) Blue fine-tuning 0%-100%
247	000-255	(RGB-2-4) Red dimming 0%-100%
248	000-255	(RGB-2-4) Red fine-tuning 0%-100%
249	000-255	(RGB-2-4) Green dimming 0%-100%
250	000-255	(RGB-2-4) Green fine-tuning 0%-100%
251	000-255	(RGB-2-4) Blue dimming 0%-100%
252	000-255	(RGB-2-4) Blue fine-tuning 0%-100%
253	000-255	(RGB-2-5) Red dimming 0%-100%
254	000-255	(RGB-2-5) Red fine-tuning 0%-100%
255	000-255	(RGB-2-5) Green dimming 0%-100%
256	000-255	(RGB-2-5) Green fine-tuning 0%-100%
257	000-255	(RGB-2-5) Blue dimming 0%-100%
258	000-255	(RGB-2-5) Blue fine-tuning 0%-100%
259	000-255	(RGB-2-6) Red dimming 0%-100%
260	000-255	(RGB-2-6) Red fine-tuning 0%-100%
261	000-255	(RGB-2-6) Green dimming 0%-100%
262	000-255	(RGB-2-6) Green fine-tuning 0 percent-100%
263	000-255	(RGB-2-6) Blue dimming 0%-100%
264	000-255	(RGB-2-6) Blue fine-tuning 0%-100%
265	000-255	(RGB1-2) mode dimming 0%-100%
266	000-255	(RGB1-2) mode selection 000-005: Empty 006-052: Effect selection 053-255: Empty
267	000-005 006-255	(RGB1-2) mode switching time No function 1 Seconds-250 seconds
268	000-005 006-124 125-130 131-249 250-255	(RGB1-2) mode running speed No function From left to right / fast to slow No function From right to left / slow to fast No function
269		(RGB1-2) Fade in and out

	000-005 006-255	Fast switchover Short to long duration
270	 000-041 042-084 085-127 128-170 171-213 214-255	(RGB1-2) segment space 1 segment space 2 segment space 3 segment space 4 segment space 5 segment space 6 segment space
271	000-255	(RGB1-2) mode red 0%-100%
272	000-255	(RGB1-2) mode green 0%-100%
273	000-255	(RGB1-2) mode Blue 0%-100%
274	 001-255	(RGB1-2) mode color temperature 2000K-10000K
275		Function settings (hold the selected DMX value for 3 seconds to apply)
	000-005	No function
	006-010	Screen off setting (always on)
	011-015	Screen off setting (2 minutes)
	016-018	No function
	019-023	Black field
	024-028	Keeping
	029-033	emergency
	034-036	No function
	037-041	Dimming curve: linear
	042-046	Dimming curve: squared
	047-051	Dimming curve: inverse square
	052-056	Dimming curve: S-line
	057-061	No function
	062-066	Dimming speed: fast
	067-071	Dimming speed: medium speed
	072-076	Dimming speed: slow
	077-080	No function
	081-085	Color calibration: full calibration
	086-090	Color calibration: CCT calibration
	091-093	No function
	094-098	Dimming frequency: 16K
	099-103	Dimming frequency: 32K
	104-126	No function
	127-131	Fan automatic
	132-136	Maximum speed of fan
	137-149	No function
	150-153	Inverted RGB panel 1 off

	154-157	Inverted RGB panel 1 on
	158-161	Inverted RGB panel 2 off
	162-165	Inverted RGB panel 2 on
	166-169	Inverted center tube panel off
	170-173	Inverted center tube panel on
	174-177	Inverted W lamp 1 off
	178-181	Inverted W tube 1 on
	182-185	Inverted W tube 2 off
	186-189	Inverted W tube 2 on
	190-193	Inverted W tube 3 off
	194-197	Inverted W tube 3 on
	198-201	Inverted W lamp 4 off
	202-205	Inverted W tube 4 on
	206-209	Swap the RGB panel off
	210-213	Swap the RGB panel on
	214-217	Swap W lamp off
	218-221	Swap W tube on
	222-224	No function
	225-229	Low power mode
	230-234	High power mode
	235-237	No function
	238-242	Factory settings (without restoring DMX address and mode)
	243-247	User defined factory settings (without restoring DMX address and mode)
	248-255	No function

Gels-Color Macros for DMX		
DMX value	**Gel Name**	**Color Number**
000-005	no function	
006-008	Red	100% Red LED
009-011	Fire	LEE 019
012-014	Bright Red	LEE 026
015-017	Primary Red	LEE 106
018-020	Med Amber	LEE 020
021-023	Dark Amber	LEE 022
024-026	Deep Amber	LEE 104
027-029	Orange	LEE 105
030-032	Deep Golden Amber	LEE 135
033-035	Yellow	LEE 101

036-038	Green	100% Green LED
039-041	Lime Green	LEE 088
42-044	Moss Green	LEE 089
045-047	LEE Green	LEE 121
048-050	Primary Green	LEE 139
051-053	Jas Green	LEE 738
054-056	jade	LEE 323
057-059	Blue	100% Blue LED
060-062	Sky Blue	LEE 068
063-065	Tokyo Blue	LEE 071
066-068	Light Blue	LEE 118
069-071	Marine Blue	LEE 131
072-074	Med Blue	LEE 132
075-077	Congo Blue	LEE 181
078-080	Mikkel Blue	LEE 716
081-083	Rose Pink	LEE 002
084-086	Med Pink	LEE 036
087-089	Light Lavender	LEE 52
090-092	Lavender	LEE 058
093-095	Magenta	LEE 113
096-098	Mauve	LEE 126
099-101	Smokey Pink	LEE 127
102-104	Special Med Lavender	LEE 343
105-107	Ultimate Violet	LEE 707
108-110	Magical Magenta	LEE 795
111-113	Chrysalis Pink	LEE 798
114-116	Specia KH Lavender	LEE 799
117-119	Bulb White	2700K
120-122	Halogen White	3200K
123-125	Neutral White	4200K
126-128	Daylight White	5600K
129-131	Cold White I	6000K
132-134	Cold White II	6300K
135-137	White	100% White LED
138-140	Amber	100% Amber LED
141-143	Lime	100% Lime LED
144-146	Cyan	100% Cyan LED
147-149	User Color 1	
150-152	User Color 2	
153-155	User Color 3	
156-158	User Color 4	
159-161	User Color 5	
162-164	stop	
165-209	Color Jumping	color 1-37
210-255	Color fading	color 1-37

Gels-Color Macros for Standalone Mode		
Position	**Gel Name**	**Color Number**
1	Red	100% Red LED
2	Fire	LEE 019
3	Medium Red	LEE 029
4	Primary Red	LEE 106
5	Med Amber	LEE 020
6	Dark Amber	LEE 022
7	Deep Amber	LEE 104
8	Orange	LEE 105
9	Deep Golden Amber	LEE 135
10	Yellow	LEE 101
11	Green	100% Green LED
12	Lime Green	LEE 088
13	Moss Green	LEE 089
14	LEE Green	LEE 121
15	Primary Green	LEE 139
16	Jas Green	LEE 738
17	jade	LEE 323
18	Blue	100% Blue LED
19	Sky Blue	LEE 068
20	Tokyo Blue	LEE 071
21	Light Blue	LEE 118
22	Marine Blue	LEE 131
23	Med Blue	LEE 132
24	Congo Blue	LEE 181
25	Mikkel Blue	LEE 716
26	Rose Pink	LEE 002
27	Med Pink	LEE 036
28	Light Lavender	LEE 052
29	Lavender	LEE 058
30	Magenta	LEE 113
31	Mauve	LEE 126
32	Smokey Pink	LEE 127
33	Special Med Lavender	LEE 343
34	Ultimate Violet	LEE 707
35	Magical Magenta	LEE 795
36	Chrysalis Pink	LEE 798
37	Specia KH Lavender	LEE 799
38	Bulb White	2700K
39	Halogen White	3200K
40	Neutral White	4200K
41	Daylight White	5600K
42	Cold White I	6000K
43	Cold White II	6300K
44	White	100% White LED

45	Amber	100% Amber LED
46	Lime	100% Lime LED
47	Cyan	100% Cyan LED