

# **WAVE Bar 1060 IP**

## **User Manual**



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## **TECHNICAL PARAMETERS**

### **Light source**

Input Voltage Range: AC100~240V 50 /60 HZ

Power: 1000W

Main light: 10 60W RGBW 4-in-1 LEDs

Strobe 1: 120 1W 6500K white lights

Strobe 2: 120 1W 3000K white lights

### **Optical**

LED: Single-point control

Main light Beam angle:4.5°-36°

Auxiliary light Beam angle:120°

### **Controls**

Channel: 29/56/216/262/282/ 142/ 247CH

Control Mode: DMX512/Master-Slave/Auto Run/RDM/Manual

### **Effect**

Dimming: 0-100% linear dimming

Strobe: 0-25Hz, a variety of strobe effects to choose from, adjustable speed.

Magnification: Electric magnification

Color mixing effect: RGBW color mixing or CMY color mixing effect

### **Construction**

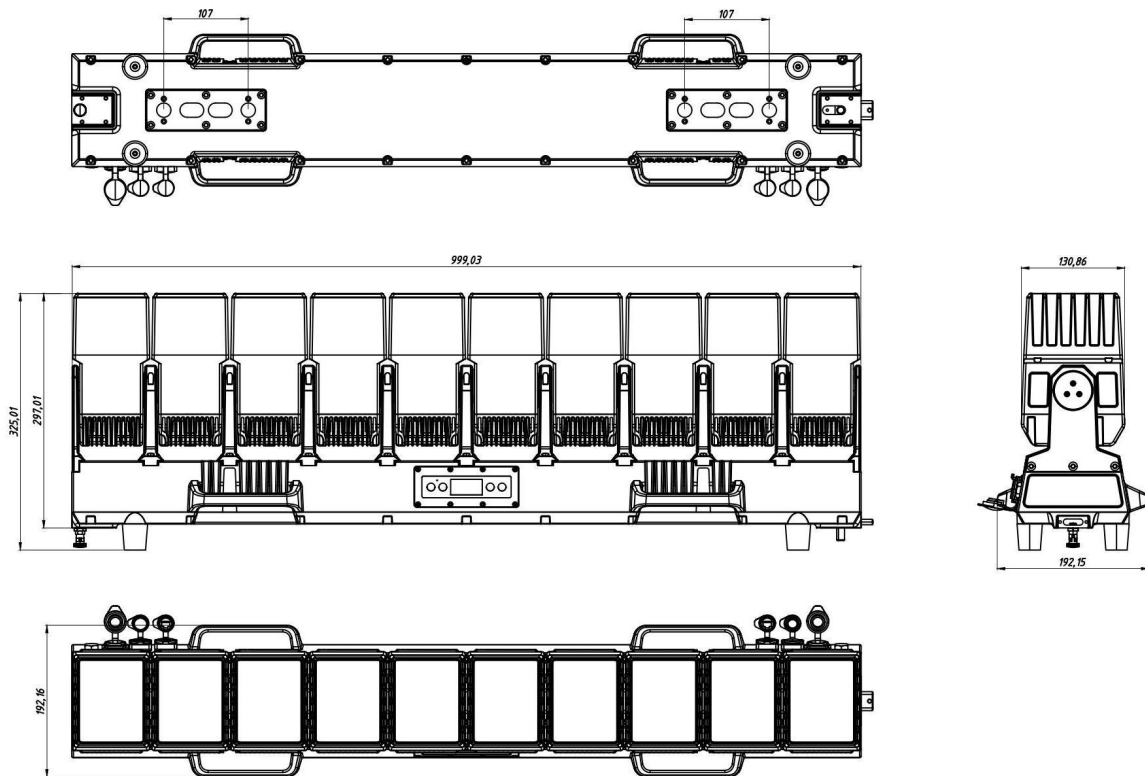
Protection Rate: IP66

### **Weight&Dimension**

Dimensions: 1000\*193\*325mm

Weight: 30.5KG

# SIZE DRAWING



## Chapter 1 Installation and attention

### 1. Maintenance

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Intermittently using will extend this item's service life.
- Please clear the fan ,fan net , and optical lens in order to keep good work state.
- Do not use the alcohol or any other organic solvent to wipe the shell.

### 2. Statement

The product has perfect performance and integrity packing. All users should be strictly complying with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

**Note:** All information is subject to change without prior notice.

### 3.Safety Precaution

- In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degrees.
- Always mount this unit in safe and stable matter.
- Install or dismantle should operate by professional engineer.

- Using lamp , the change rate of power voltage should be within $\pm 10\%$  , If the voltage is too high , it will shorten the light's life; If it's not enough, will influence the effect.
- Please restart it 20 minutes later after turning off light , until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.
- In order to make sure the product is used well, please read the Manual carefully.

#### 5. Rigging (Optional)

This equipment can be positioned and fixed by clamp in every direction of the stage. Locking system makes it easy to fasten to the bracket.

Attention! Two clamps is needed to fix the equipment. Every clamp is locked by fastener of 1/4 kind. Fastener can only be locked clockwise.

Attention! Fasten a safety string to the additional hole of side aluminum piece. The secondary accessory can not hang on the delivery handle. Nip the equipment on bracket.

- Check if rigging clamp (not including the one inside) damaged or not? If stand ten times weight as the equipment. Make sure the architecture can stand ten times weight as all the equipments, clamps, wirings and other additional fixtures.
- Screws for clamping must be fixed firmly. Take one M12 screw (Grade 8.8 or higher) to clamp bracket, and then screw the nuts.
- Level the two hanging points at the bottom of clamp. Insert fastener to the bottom, lock the two levers by 1/4 rotating clockwise; then install another clamp.
- Install on safety string which stands at least ten times weight as equipment. Terminal of the accessory is designed for clamps.

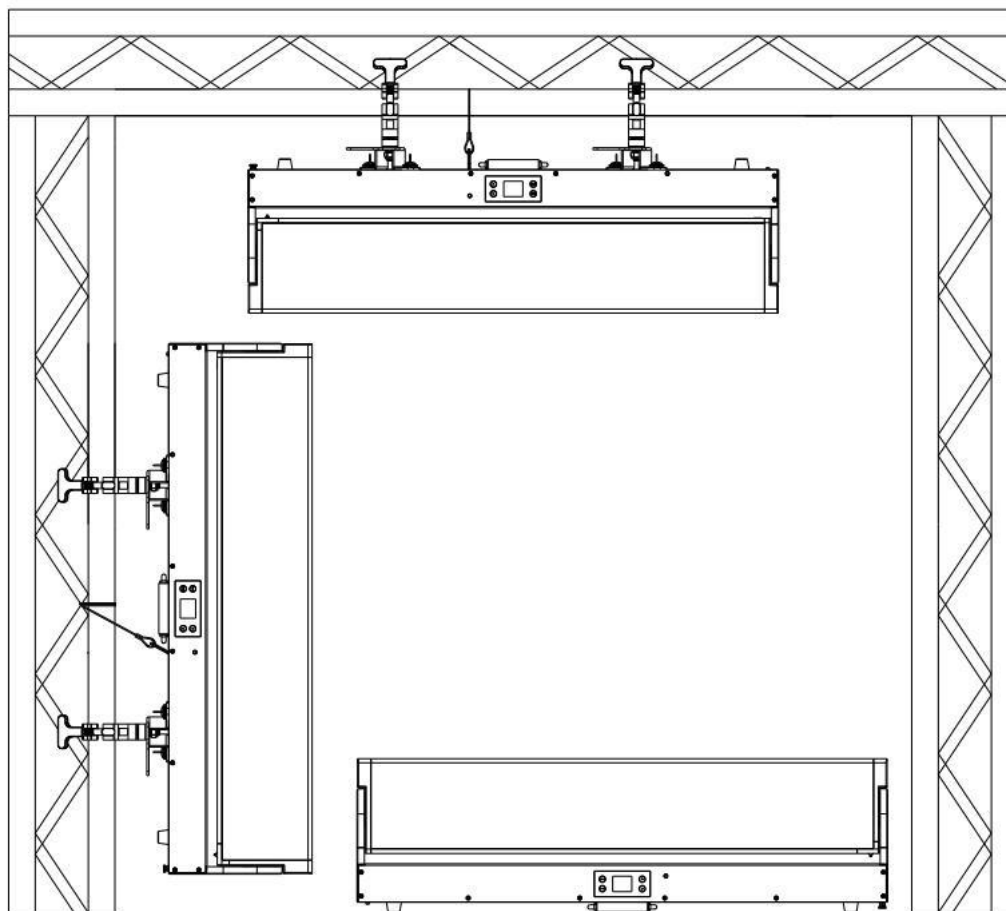


Figure 1 Installation

## 6.Signal line connection

The fixture features standard DMX input and output via 3-pin or 5-pin XLR sockets. Please use a shielded twisted pair signal line specially designed for DMX 512; the signal line is generally connected at a distance of 150 meters. When transmitting long-distance signals, a DMX512 signal amplifier must be added.

Use a shielded twisted pair signal cable to connect the DMX output port of the controller to the DMX input port of the first device, and connect the DMX output port of the first device to the DMX input port of the second device, and so on. Until all the lamps are connected, install a terminal plug on the output 3-pin jack of the last connected lamp in each circuit. (Solder a 4/1W, 120Ω resistor between pins 2 and 3 of the 3-pin XLR plug).

**Attention!** The wires must not touch each other or the metal casing.

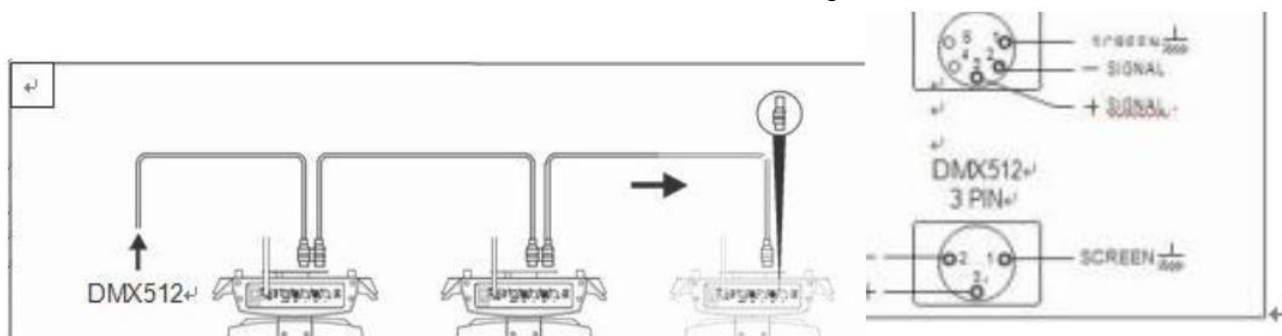


Figure 2 DMX signal connection

## Chapter 2 Channel description

Channels							Function	Value	Detail
282 CH	262 CH	216 CH	56 CH	29C H	142C H	247 CH			
1	1	1	1	1	13	18	Tilt 1	0-255	Tilt 0-200 °
2	2	2	2	2	14	19	Fine tilt 1	0-255	16bit adjustable
3	3	3	3	1	26	41	Tilt 2	0-255	Tilt 0-200 °
4	4	4	4	2	27	42	Fine tilt 2	0-255	16bit adjustable
5	5	5	5	1	39	64	Tilt 3	0-255	Tilt 0-200 °
6	6	6	6	2	40	65	Fine tilt 3	0-255	16bit adjustable
7	7	7	7	1	52	87	Tilt 4	0-255	Tilt 0-200 °
8	8	8	8	2	53	88	Fine tilt 4	0-255	16bit adjustable
9	9	9	9	1	65	110	Tilt 5	0-255	Tilt 0-200 °
10	10	10	10	2	66	111	Fine tilt 5	0-255	16bit adjustable
11	11	11	11	1	78	133	Tilt 6	0-255	Tilt 0-200 °
12	12	12	12	2	79	134	Fine tilt 6	0-255	16bit adjustable
13	13	13	13	1	91	156	Tilt 7	0-255	Tilt 0-200 °
14	14	14	14	2	92	157	Fine tilt 7	0-255	16bit adjustable
15	15	15	15	1	104	179	Tilt 8	0-255	Tilt 0-200 °
16	16	16	16	2	105	180	Fine tilt 8	0-255	16bit adjustable
17	17	17	17	1	117	202	Tilt 9	0-255	Tilt 0-200 °
18	18	18	18	2	118	203	Fine tilt9	0-255	16bit adjustable
19	19	19	19	1	130	225	Tilt 10	0-255	Tilt 0-200 °
20	20	20	20	2	131	226	Fine tilt 10	0-255	16bit adjustable

21	21	21	21	3			Tilt Speed	0-255	Fast to slow
22	22	22	22	4			Tilt macro	00-4	No function
								5-9	Tilt built-in 1
								10-14	Tilt built-in 2
								15-19	Tilt built-in 3
								.....	.....
								240-244	Tilt built-in 48
								245-249	Tilt built-in 49
								250-254	Tilt built-in 50
								255	Tilt built-in 5 1
23	23	23	23	5	5	5	CTC	0	No function
							1-255	19000K to 2700K	
24	24	24	24	6			White Light CTC	0	No function
							1-255	8000K to 2700K	
25	25	25	25	7			Color	0	No function
								1-2	White 2700K (R=236, G=137, B=0, W=28)
								3-4	White 3200K (R=255, G=161, B=0, W=56)
								5-6	White 4000K (R=229, G=183, B=0, W=115)
								7-8	White 4200K (R=251, G=255, B=8, W=145)
								9-10	White 5600K (R=155, G=176, B=15, W=93)
								11-12	White 6500K (R=160, G=190, B=18, W=181)
								13-14	White 7500K (R=160, G=209, B=25, W=242)
								15	Blue (R=0, G=0, B=255, W=0)
								16-52	R=0, G plus, B=255, W=0
								53	Cyan (R=0, G=255, B=255, W=0)
								54-90	R=0, G=255, B minus, W=0
								91	Green (R=0, G=255, B=0, W=0)
								92-128	R plus, G=255, B=0, W=0
								129	Yellow (R=255, G=255, B=0, W=0)
								130-166	R=255, G minus, B=0, W=0
								167	Red (R=255, G=0, B=0, W=0)
								168-204	R=255, G=0, B plus, W=0
								205	Magenta (R=255, G=0, B=255, W=0)
								206-242	R minus, G=0, B=255, W=0
243	Blue (R=0, G=0, B=255, W=0)								
244-249	Color gradient fast to slow								
250-255	Color jump fast to slow								
26	26	26	26	8		7	Pattern	0	No function
								1	Pattern 1
								2	Pattern 2

								3	Pattern 3
								.	.
								.	.
								.	.
								253	Pattern 253
								254	Pattern 254
								255	Pattern 255
7 <sup>2</sup>	27	27	27	9	6	8	White light Pattern	0	No function
								1	Pattern 1
								2	Pattern 2
								3	Pattern 3
								.	.
								.	.
								.	.
								253	Pattern 253
								254	Pattern 254
								255	Pattern 255
28	28	28	28	10		9	LED Built-in	0-15	No function
								16-17	Built-in 1
								18-19	Built-in 2
								20-21	Built-in 3
								.	.
								.	.
								.	.
								98-99	Built-in 42
								100-101	Built-in 43
								102-103	Built-in 44
								104-135	Built-in 45 (total built-in)
								136-137	Built-in 46
								138-139	Built-in 47
								140-141	Built-in 48
								.	.
								.	.
								.	.
								218-219	Built-in 87
								220-221	Built-in 88
								222-223	Built-in 89
								224-255	Built-in 90 (total built-in)
29	29	29	29	11		10	LED Built-in Speed	0-127	Forward fast to slow
								128	Stop
30	30	30	30	12		11	LED built-in trailing time	129-255	Reverse slow to fast
31	31	31	31	13	9	12	White light Built-in	0-255	Fast to slow
								0-15	No function
								16-17	Built-in 1
								18-19	Built-in 2
								20-21	Built-in 3
								.	.
								.	.

								.	.
								100-101	Built-in 43
								102-103	Built-in 44
								104-105	Built-in 45
								106-135	Built-in 46 (always built-in)
								136-137	Built-in 47
								138-139	Built-in 48
								140-141	Built-in 49
								.	.
								.	.
								.	.
								220-221	Built-in 89
								222-223	Built-in 90
								224-225	Built-in 91
								226-255	Built-in 92 (always built-in)
32	32	32	32	14	10	13	White light Built-in speed	0-127	Forward fast to slow
								128	Stop
								129-255	Reverse slow to fast
33	33	33	33	15	11	14	White light built-in trailing time	0-255	Fast to slow
34	34	34	34	16	7	15	Reverse background color	0	No function
								1-2	White 2700K (R= 156, G= 118, B=0, W=63)
								3-4	White 3200K (R= 156, G= 141, B=5, W=89)
								5-6	White 4200K (R= 156, G= 141, B= 14, W=255)
								7-8	White 5600K (R= 156, G=207, B=54 , W=255)
								9-10	White 8000K (R= 130, G=255, B=96, W=255)
								11	Blue (R=0, G=0, B=255, W=0)
								12-48	R=0, G plus, B=255, W=0
								49	Cyan (R=0, G=255, B=255, W=0)
								50-86	R=0, G=255, B minus, W=0
								87	Green (R=0, G=255, B=0, W=0)
								88-124	R plus, G=255, B=0, W=0
								125	Yellow (R=255, G=255, B=0, W=0)
								126-162	R=255, G minus, B=0, W=0
								163	Red (R=255, G=0, B=0 , W=0)
								164-200	R=255, G=0, B plus, W=0
								201	Magenta (R=255, G=0, B=255, W=0)
								202-238	R minus, G=0, B=255, W=0
								239	Blue (R=0, G=0, B=255, W=0)
								240-247	Color gradient fast to slow
								248-255	Color jump fast to slow



5 <sup>3</sup>	5 <sup>3</sup>	35	35	7 <sup>1</sup>	8	16	Reverse bottom color Dimmer	0-255	Dark to light
6 <sup>3</sup>	6 <sup>3</sup>						Reverse bottom color Dimmer 16bit	0-255	Dark to light
7 <sup>3</sup>	7 <sup>3</sup>	36	36	8 <sup>1</sup>	1	1	Total Dimmer	0-255	Dark to light
8 <sup>3</sup>	8 <sup>3</sup>				2	2	Total Dimmer 16bit	0-255	Dark to light
9 <sup>3</sup>	9 <sup>3</sup>	37	37	9 <sup>1</sup>			White light total Dimmer	0-255	Dark to light
40	40	38	38	20	3	3	Strobe	0-19	Light off
								20-24	Turn on
								25-64	Strobe 1 from fast to slow
								65-69	Turning on
								70-84	Strobe 2 (fast on and slow off) from fast to slow
								85-89	Turning on
								90-104	.....
								105-109	Turning on
								110-124	Strobe 4 (random strobe) from fast to slow
								125-129	Turning on
								130-144	Strobe 5 (random fast on and slow off) from fast to slow
								145-149	Turning on
								150-164	Strobe 6 (random slow on and fast off) from fast to slow
								165-169	Turning on
								170-184	Strobe 7 (pulse strobe) from fast to slow
								185-189	Turning on
								190-204	Strobe 8 (random pulse strobe) from fast to slow
								205-209	Turning on
								210-224	Strobe 9 (gradually bright and dim) from fast to slow
								225-229	Turning on
								230-244	Strobe 10 (pulse strobe) from fast to slow
								245-255	Turning on
41	41	39	39	21	4	4	White light strobe	0-19	Turning off
								20-24	Turn on
								25-64	Strobe 1 from fast to slow
								65-69	Turning on
								70-84	Strobe 2 (fast on and slow off) from fast to slow
								85-89	Turning on
								90-104	Strobe 3 (slow on and fast off) from fast to slow
								105-109	Turning on
								110-124	Strobe 4 (random strobe) from fast to slow
								125-129	Turning on
								130-144	Strobe 5 (random fast on and slow off) from fast to slow
								145-149	Turning on
								150-164	Strobe 6 (random slow on

									and fast off) from fast to slow
								165-169	Turning on
								170-184	Strobe 7 (pulse strobe) from fast to slow
								185-189	Turning on
								190-204	Strobe 8 (random pulse strobe) from fast to slow
								205-209	Turning on
								210-224	Strobe 9 (gradually bright and dim) from fast to slow
								225-229	Turning on
								230-244	Strobe 10 (pulse strobe) from fast to slow
								245-255	Turning on
42	42	40	40	22	15	20	Zoom 1	0-255	From big to small
43	43	41	41		28	43	Zoom 2	0-255	From big to small
44	44	42	42		41	66	Zoom 3	0-255	From big to small
45	45	43	43		54	89	Zoom 4	0-255	From big to small
46	46	44	44		67	112	Zoom 5	0-255	From big to small
47	47	45	45		80	135	Zoom 6	0-255	From big to small
48	48	46	46		93	158	Zoom 7	0-255	From big to small
49	49	47	47		106	181	Zoom 8	0-255	From big to small
50	50	48	48		119	204	Zoom 9	0-255	From big to small
51	51	49	49		132	227	Zoom 10	0-255	From big to small
52	2 <sup>5</sup>	50	50	23	12	17	Function	00-9	No function
								10-14	Horizontal/vertical interrupts
								15-19	Reserved
								20-24	Color mixing mode RGBW
								25-29	Color mixing mode CMY
								30-34	Merge channels
								35-39	Unmerge channels
								40-44	Background color priority on
								45-49	Background color priority off
								50-54	Reserved
								55-59	Vertical reset
								60-64	Enlarge reset
								65-66	Enlarge slow reset
								67-69	Enlarge fast reset
								70-74	All resets
								75-79	LED forward
								80-84	LED reverse
								85-89	Reserved
								90-94	Y axis reverse
								95-99	Reserved
								100-104	Y axis reverse cancel
								105-109	Reserved
								110-114	Red Shift on
								115-119	Red Shift off
								120-124	Reserved
								125-129	Reserved

								130-134	Reserved
								135-139	Fast Dimmer
								140-144	Smooth Dimmer
								145-149	Linear Dimmer curve
								150-154	Square Dimmer curve
								155-159	I Squa Dimmer curve
								160-164	SCurve Dimmer curve
								165-169	White mode on
								170-174	White mode off
								175-179	PWM 600Hz
								180-184	PWM 1200Hz
								185-189	PWM 2000Hz
								190-194	PWM 4000Hz
								195-199	PWM 6000Hz
								200-204	PWM 15000Hz
								200-255	Reserved
53	53	51	51	24			R (C) total	0-255	from dark to light (from light to dark)
54	54						R (C) total 16bit	0-255	from dark to light (from light to dark)
55	55	52	52	25			G (M) total	0-255	from dark to light (from light to dark)
56	56						G (M) total 16bit	0-255	from dark to light (from light to dark)
57	57	53	53	26			B (Y) total	0-255	from dark to light (from light to dark)
58	58						B (Y) total 16bit	0-255	from dark to light (from light to dark)
59	59	54	54	27			W total	0-255	From dark to light
60	60						W total 16bit	0-255	From dark to light
61	61	55	55	28			Cold white total Dimmer	0-255	From dark to light
62	62	56	56	29			Warm white total Dimmer	0-255	From dark to light
63							Total Dimmer 1	0-255	From dark to light
64							Total Dimmer 1 16bit	0-255	From dark to light
65	63	57			16	21	R (C) 1	0-255	from dark to light (from light to dark)
66	64				17	22	R (C) 1 16bit	0-255	from dark to light (from light to dark)
67	65	58			18	23	G (M) 1	0-255	from dark to light (from light to dark)
68	66				19	24	G (M) 1 16bit	0-255	from dark to light (from light to dark)
69	67	59			20	25	B (Y) 1	0-255	from dark to light (from light to dark)
70	68				21	26	B (Y) 1 16bit	0-255	from dark to light (from light to dark)
71	69	60			22	27	W1	0-255	From dark to light
72	70				23	28	W1 16bit	0-255	From dark to light
73							Total Dimmer 2	0-255	From dark to light
74							Total Dimmer 2 16bit	0-255	From dark to light

75	71	61		29	44	R (C)2	0-255	from dark to light (from light to dark)
76	72			30	45	R (C)2 16bit	0-255	from dark to light (from light to dark)
77	73	62		31	46	G (M)2	0-255	from dark to light (from light to dark)
78	74			32	47	G (M)2 16bit	0-255	from dark to light (from light to dark)
79	75	63		33	48	B (Y)2	0-255	from dark to light (from light to dark)
80	76			34	49	B (Y)2 16bit	0-255	from dark to light (from light to dark)
81	77	64		35	50	W2	0-255	From dark to light
82	78			36	51	W2 16bit	0-255	From dark to light
83						Total Dimmer 3	0-255	From dark to light
84						Total Dimmer 3 16bit	0-255	From dark to light
85	79	65		42	67	R (C) 3	0-255	from dark to light (from light to dark)
86	80			43	68	R (C) 3 16bit	0-255	from dark to light (from light to dark)
87	81	66		44	69	G (M) 3	0-255	from dark to light (from light to dark)
88	82			45	70	G (M) 3 16bit	0-255	from dark to light (from light to dark)
89	83	67		46	71	B (Y) 3	0-255	from dark to light (from light to dark)
90	84			47	72	B (Y) 3 16bit	0-255	from dark to light (from light to dark)
91	85	68		48	73	W 3	0-255	From dark to light
92	86			49	74	W 3 16bit	0-255	From dark to light
93						Total Dimmer 4	0-255	From dark to light
94						Total Dimmer 4 16bit	0-255	From dark to light
95	87	69		55	90	R (C) 4	0-255	from dark to light (from light to dark)
96	88			56	91	R (C) 4 16bit	0-255	from dark to light (from light to dark)
97	89	70		57	92	G (M) 4	0-255	from dark to light (from light to dark)
98	90			58	93	G (M) 4 16bit	0-255	from dark to light (from light to dark)
99	91	71		59	94	B (Y) 4	0-255	from dark to light (from light to dark)
100	92			60	95	B (Y) 4 16bit	0-255	from dark to light (from light to dark)
101	93	72		61	96	W 4	0-255	From dark to light
102	94			62	97	W 4 16bit	0-255	From dark to light
103						Total Dimmer 5	0-255	From dark to light
104						Total Dimmer 5 16bit	0-255	From dark to light
105	95	73		68	113	R (C) 5	0-255	from dark to light (from light to dark)
106	96			69	114	R (C) 5 16bit	0-255	from dark to light (from light to dark)
107	97	74		70	115	G (M) 5	0-255	from dark to light (from light to dark)
108	98			71	116	G (M) 5 16bit	0-255	from dark to light (from light to dark)
109	99	75		72	117	B (Y) 5	0-255	from dark to light (from light to dark)

								to dark)
110	100			73	118	B (Y) 5 16bit	0-255	from dark to light (from light to dark)
111	101	76		74	119	W 5	0-255	From dark to light
112	102			75	120	W 5 16bit	0-255	From dark to light
113						Total Dimmer 6	0-255	From dark to light
114						Total Dimmer 6 16bit	0-255	From dark to light
115	103	77		81	136	R (C) 6	0-255	from dark to light (from light to dark)
116	104			82	137	R (C) 6 16bit	0-255	from dark to light (from light to dark)
117	105	78		83	138	G (M) 6	0-255	from dark to light (from light to dark)
118	106			84	139	G (M) 6 16bit	0-255	from dark to light (from light to dark)
119	107	79		85	140	B (Y) 6	0-255	from dark to light (from light to dark)
120	108			86	141	B (Y) 6 16bit	0-255	from dark to light (from light to dark)
121	109	80		87	142	W 6	0-255	From dark to light
122	110			88	143	W 6 16bit	0-255	From dark to light
123						Total Dimmer 7	0-255	From dark to light
124						Total Dimmer 7 16bit	0-255	From dark to light
125	111	81		94	159	R (C) 7	0-255	from dark to light (from light to dark)
126	112			95	160	R (C) 7 16bit	0-255	from dark to light (from light to dark)
127	113	82		96	161	G (M) 7	0-255	from dark to light (from light to dark)
128	114			97	162	G (M) 7 16bit	0-255	from dark to light (from light to dark)
129	115	83		98	163	B (Y) 7	0-255	from dark to light (from light to dark)
130	116			99	164	B (Y) 7 16bit	0-255	from dark to light (from light to dark)
131	117	84		100	165	W 7	0-255	From dark to light
132	118			101	166	W 7 16bit	0-255	From dark to light
133						Total Dimmer 8	0-255	From dark to light
134						Total Dimmer 8 16bit	0-255	From dark to light
135	119	85		107	182	R (C) 8	0-255	from dark to light (from light to dark)
136	120			108	183	R (C) 8 16bit	0-255	from dark to light (from light to dark)
137	121	86		109	184	G (M) 8	0-255	from dark to light (from light to dark)
138	122			110	185	G (M) 8 16bit	0-255	from dark to light (from light to dark)
139	123	87		111	186	B (Y) 8	0-255	from dark to light (from light to dark)
140	124			112	187	B (Y) 8 16bit	0-255	from dark to light (from light to dark)
141	125	88		113	188	W 8	0-255	From dark to light
142	126			114	189	W 8 16bit	0-255	From dark to light
143						Total Dimmer 9	0-255	From dark to light
144						Total Dimmer 9 16bit	0-255	From dark to light
145	127	89		120	205	R (C) 9	0-255	from dark to light (from light to dark)
146	128			121	206	R (C) 9 16bit	0-255	from dark to light (from light to dark)
147	129	90		122	207	G (M) 9	0-255	from dark to light

148	130	
149	131	91
150	132	
151	133	92
152	134	
153		
154		
155	135	93
156	136	
157	137	94
158	138	
159	139	95
160	140	
161	141	96
162	142	
163	143	97
164	144	98
165	145	99
166	146	100
167	147	101
168	148	102
169	149	103
170	150	104
171	151	105
172	152	106
173	153	107
174	154	108
175	155	109
176	156	110
177	157	111
178	158	112
179	159	113
180	160	114
181	161	115
182	162	116
183	163	117
184	164	118
185	165	119
186	166	120
187	167	121
188	168	122
189	169	123
190	170	124

				(from light to dark)
123	208	G (M) 9 16bit	0-255	from dark to light (from light to dark)
124	209	B (Y) 9	0-255	from dark to light (from light to dark)
125	210	B (Y) 9 16bit	0-255	from dark to light (from light to dark)
126	211	W 9	0-255	From dark to light
127	212	W 9 16bit	0-255	From dark to light
		Total Dimmer 10	0-255	From dark to light
		Total Dimmer 10 16bit	0-255	From dark to light
133	228	R (C) 10	0-255	from dark to light (from light to dark)
134	229	R (C) 10 16bit	0-255	from dark to light (from light to dark)
135	230	G (M) 10	0-255	from dark to light (from light to dark)
136	231	G (M) 10 16bit	0-255	from dark to light (from light to dark)
137	232	B (Y) 10	0-255	from dark to light (from light to dark)
138	233	B (Y) 10 16bit	0-255	from dark to light (from light to dark)
139	234	W10	0-255	From dark to light
140	235	W10 16bit	0-255	From dark to light
24	29	cool W1 Dimmer	0-255	From dark to light
25	35	warm W1 Dimmer	0-255	From dark to light
24	30	cool W2 Dimmer	0-255	From dark to light
25	36	warm W2 Dimmer	0-255	From dark to light
24	31	cool W3 Dimmer	0-255	From dark to light
25	37	warm W3 Dimmer	0-255	From dark to light
37	52	cool W4 Dimmer	0-255	From dark to light
38	58	warm W4 Dimmer	0-255	From dark to light
37	53	cool W5 Dimmer	0-255	From dark to light
38	59	warm W5 Dimmer	0-255	From dark to light
37	54	cool W6 Dimmer	0-255	From dark to light
38	60	warm W6 Dimmer	0-255	From dark to light
50	75	cool W7 Dimmer	0-255	From dark to light
51	81	warm W7 Dimmer	0-255	From dark to light
50	76	cool W8 Dimmer	0-255	From dark to light
51	82	warm W8 Dimmer	0-255	From dark to light
50	77	cool W9 Dimmer	0-255	From dark to light
51	83	warm W9 Dimmer	0-255	From dark to light
63	98	cool W10 Dimmer	0-255	From dark to light
64	104	warm W10 Dimmer	0-255	From dark to light
63	99	cool W11 Dimmer	0-255	From dark to light
64	105	warm W11 Dimmer	0-255	From dark to light
63	100	cool W12 Dimmer	0-255	From dark to light
64	106	warm W12 Dimmer	0-255	From dark to light
76	121	cool W13 Dimmer	0-255	From dark to light
77	127	warm W13 Dimmer	0-255	From dark to light
76	122	cool W14 Dimmer	0-255	From dark to light
77	128	warm W14 Dimmer	0-255	From dark to light

191	171	125
192	172	126
193	173	127
194	174	128
195	175	129
196	176	130
197	177	131
198	178	132
199	179	133
200	180	134
201	181	135
202	182	136
203	183	137
204	184	138
205	185	139
206	186	140
207	187	141
208	188	142
209	189	143
210	190	144
211	191	145
212	192	146
213	193	147
214	194	148
215	195	149
216	196	150
217	197	151
218	198	152
219	199	153
220	200	154
221	201	155
222	202	156
223	203	157
224	204	158
225	205	159
226	206	160
227	207	161
228	208	162
229	209	163
230	210	164
231	211	165
232	212	166
233	213	167
234	214	168
235	215	169
236	216	170
237	217	171
238	218	172

76	123	cool W15 Dimmer	0-255	From dark to light
77	129	warm W15 Dimmer	0-255	From dark to light
89	144	cool W16 Dimmer	0-255	From dark to light
90	150	warm W16 Dimmer	0-255	From dark to light
89	145	cool W17 Dimmer	0-255	From dark to light
90	151	warm W17 Dimmer	0-255	From dark to light
89	146	cool W18 Dimmer	0-255	From dark to light
90	152	warm W18 Dimmer	0-255	From dark to light
102	167	cool W19 Dimmer	0-255	From dark to light
103	173	warm W19 Dimmer	0-255	From dark to light
102	168	cool W20 Dimmer	0-255	From dark to light
103	174	warm W20 Dimmer	0-255	From dark to light
102	169	cool W21 Dimmer	0-255	From dark to light
103	175	warm W21 Dimmer	0-255	From dark to light
115	190	cool W22 Dimmer	0-255	From dark to light
116	196	warm W22 Dimmer	0-255	From dark to light
115	191	cool W23 Dimmer	0-255	From dark to light
116	197	warm W23 Dimmer	0-255	From dark to light
115	192	cool W24 Dimmer	0-255	From dark to light
116	198	warm W24 Dimmer	0-255	From dark to light
128	213	cool W25 Dimmer	0-255	From dark to light
129	219	warm W25 Dimmer	0-255	From dark to light
128	214	cool W26 Dimmer	0-255	From dark to light
129	220	warm W26 Dimmer	0-255	From dark to light
128	215	cool W27 Dimmer	0-255	From dark to light
129	221	warm W27 Dimmer	0-255	From dark to light
141	236	cool W28 Dimmer	0-255	From dark to light
142	242	warm W28 Dimmer	0-255	From dark to light
141	237	cool W29 Dimmer	0-255	From dark to light
142	243	warm W29 Dimmer	0-255	From dark to light
141	238	cool W30 Dimmer	0-255	From dark to light
142	244	warm W30 Dimmer	0-255	From dark to light
141	239	cool W31 Dimmer	0-255	From dark to light
142	245	warm W31 Dimmer	0-255	From dark to light
141	240	cool W32 Dimmer	0-255	From dark to light
142	246	warm W32 Dimmer	0-255	From dark to light
141	241	cool W33 Dimmer	0-255	From dark to light
142	247	warm W33 Dimmer	0-255	From dark to light
128	216	cool W34 Dimmer	0-255	From dark to light
129	222	warm W34 Dimmer	0-255	From dark to light
128	217	cool W35 Dimmer	0-255	From dark to light
129	223	warm W35 Dimmer	0-255	From dark to light
128	218	cool W36 Dimmer	0-255	From dark to light
129	224	warm W36 Dimmer	0-255	From dark to light
115	193	cool W37 Dimmer	0-255	From dark to light
116	199	warm W37 Dimmer	0-255	From dark to light
115	194	cool W38 Dimmer	0-255	From dark to light
116	200	warm W38 Dimmer	0-255	From dark to light



239	219	173
240	220	174
241	221	175
242	222	176
243	223	177
244	224	178
245	225	179
246	226	180
247	227	181
248	228	182
249	229	183
250	230	184
251	231	185
252	232	186
253	233	187
254	234	188
255	235	189
256	236	190
257	237	191
258	238	192
259	239	193
260	240	194
261	241	195
262	242	196
263	243	197
264	244	198
265	245	199
266	246	200
267	247	201
268	248	202
269	249	203
270	250	204
271	251	205
272	252	206
273	253	207
274	254	208
275	255	209
276	256	210
277	257	211
278	258	212

115	195	cool W39 Dimmer	0-255	From dark to light
116	201	warm W39 Dimmer	0-255	From dark to light
102	170	cool W40 Dimmer	0-255	From dark to light
103	176	warm W40 Dimmer	0-255	From dark to light
102	171	cool W41 Dimmer	0-255	From dark to light
103	177	warm W41 Dimmer	0-255	From dark to light
102	172	cool W42 Dimmer	0-255	From dark to light
103	178	warm W42 Dimmer	0-255	From dark to light
89	147	cool W43 Dimmer	0-255	From dark to light
90	153	warm W43 Dimmer	0-255	From dark to light
89	148	cool W44 Dimmer	0-255	From dark to light
90	154	warm W44 Dimmer	0-255	From dark to light
89	149	cool W45 Dimmer	0-255	From dark to light
90	155	warm W45 Dimmer	0-255	From dark to light
76	124	cool W46 Dimmer	0-255	From dark to light
77	130	warm W46 Dimmer	0-255	From dark to light
76	125	cool W47 Dimmer	0-255	From dark to light
77	131	warm W47 Dimmer	0-255	From dark to light
76	126	cool W48 Dimmer	0-255	From dark to light
77	132	warm W48 Dimmer	0-255	From dark to light
63	101	cool W49 Dimmer	0-255	From dark to light
64	107	warm W49 Dimmer	0-255	From dark to light
63	102	cool W50 Dimmer	0-255	From dark to light
64	108	warm W50 Dimmer	0-255	From dark to light
63	103	cool W51 Dimmer	0-255	From dark to light
64	109	warm W51 Dimmer	0-255	From dark to light
50	78	cool W52 Dimmer	0-255	From dark to light
51	84	warm W52 Dimmer	0-255	From dark to light
50	79	cool W53 Dimmer	0-255	From dark to light
51	85	warm W53 Dimmer	0-255	From dark to light
50	80	cool W54 Dimmer	0-255	From dark to light
51	86	warm W54 Dimmer	0-255	From dark to light
37	55	cool W55 Dimmer	0-255	From dark to light
38	61	warm W55 Dimmer	0-255	From dark to light
37	56	cool W56 Dimmer	0-255	From dark to light
38	62	warm W56 Dimmer	0-255	From dark to light
37	57	cool W57 Dimmer	0-255	From dark to light
38	63	warm W57 Dimmer	0-255	From dark to light
24	32	cool W58 Dimmer	0-255	From dark to light
25	38	warm W58 Dimmer	0-255	From dark to light



279	259	213
280	260	214
281	261	215
282	262	216

24	33	cool W59 Dimmer	0-255	From dark to light
25	39	warm W59 Dimmer	0-255	From dark to light
24	34	cool W60 Dimmer	0-255	From dark to light
25	40	warm W60 Dimmer	0-255	From dark to light

## REMARK

The product has perfect performance and integrity packing.

All users should be strictly comply with the warning and operating instructions as stated.

Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.