

# KRYPTON - LT1220

## ELECTRICAL PARAMETER

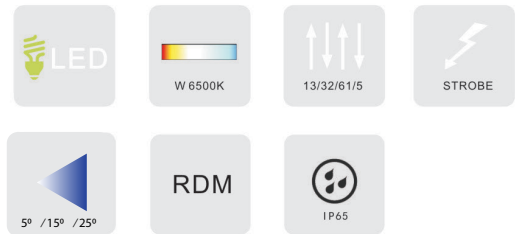
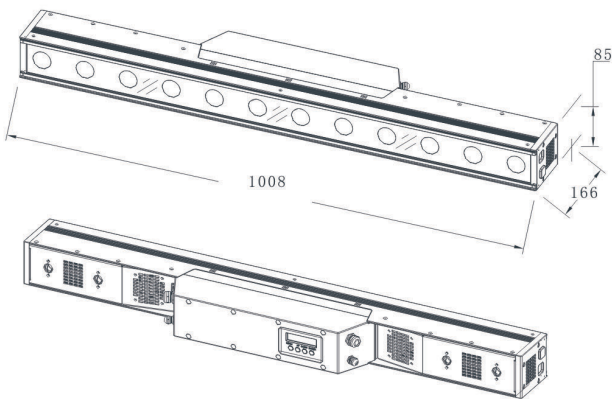
Source : RGBW 12 LED -20W  
 Max Power : 240W  
 Voltage : AC100-240v 50/60hz  
 Color Temperature : 6000k-6500k(w)

## WEIGHT AND DIMENSIONS

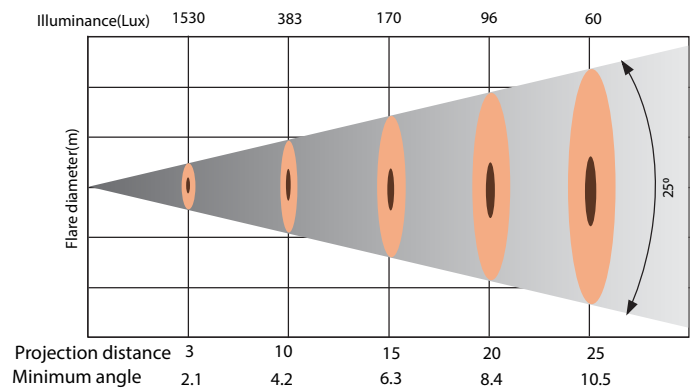
Dimensions : 1008 x 166 X 85mm  
 Net weight : 10.8kg  
 Dimension (Package) : 1110 x 250 x 180mm  
 Weight(Package) : 13.2Kg  
 Dimensions (Air Boxes - 10 Lights): 1060 x 605x615mm  
 Net Weight / Weight (Air boxes - 10 lights) : 162kg

## CHANNEL CHARACTERICS

Channel : 5 , 13 , 32 , 61  
 Net weight : 10.8kg  
 Dimmer : Linear Dimmer.  
 Shutter : Electronic Shutter, Random Strobe.  
 LED Individual Control, Preseting Automatical  
 Temperature Control System



## LIGHT TABLE



## 7. Display control

### 7.1 Navigation in the Menu

Using the buttons, and this can be simply and easily set the address code and function code.

If you view or modify the lighting feature set, then press ENTER button, the display will enter the menu interface. Both there is sub menu corresponding to the functional operation of the main menu. Each of the menus is representative of the specific features of the lamp. The specific contents shows as the table menu below.

Set or browse lighting function, press UP or DOWN button.

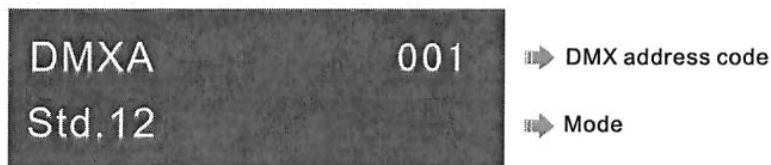
Press ENTER to save your changes or enter the submenu. Press the UP or DOWN can change the numerical (increase or decrease in value).

Press the MODE button to return to menu.

### 7.2 Display Operation

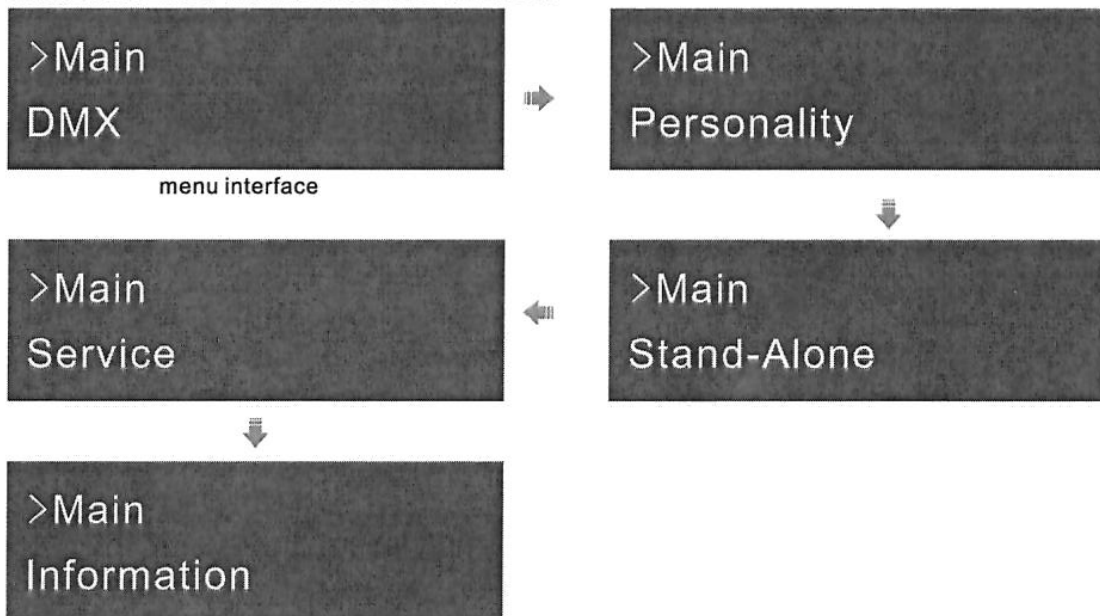
-When the power on, if the display is flashing, it indicates that the DMX signal connection is unnormal.

-Once powering on, the display indicates as following:



Main interface

CLIKE ENTER OF HOME PAGE TO SELECT:



### 7.3 Menu Maps

DMX	Adress	1-XXX			
	Mode	Standard – 13*			
		Advanced – 32			
		Pixel – 61			
		Compressed RGBW – 5			
	RDM	ON*/OFF			
	Reset via DMX	ON*/OFF			
	No DMX	Shutter/Closed*			
		Hold			
		Play Program 1 / 2 / 3			
	W-DMX	W-DMX Enable	OFF*		
			ON		
		WirelessToDmx	OFF*		
			ON		
	DMX Live	Refresh rate	xxx Hz		
		Color Wheel	0-255		
		Red	0-255		
		Green	0-255		
		Blue	0-255		
White		0-255			
Shutter		0-255			
Dimmer		0-255			
CTO		0-255			
Pattern		0-255			
Pattern Speed		0-255			
Pattern Fade		0-255			
Personality	Dimmer Curve	Linear			
		Theatrical			
		Square Law *			
		Inverse Square			
	Dimmer Speed	Fast*			
		Smooth			
	PWM	600 Hz			
		1200 Hz*			
		2400 Hz			
		4800 Hz			
		9600 Hz			
	Display Setting	Shut-off time	Off		
			1 minute*		
			5 minute		
			60 minute		
		No signal flash	On*/Off		
		Flip Display	Auto		
	Off*				
	On				
Temperature Unit	Celsius*				
	Fahrenheit				
Lock	Off*				
	ON				
	Set password	****	Yes/NO		
Boot mode	Select Mode	Auto*			
		DMX			
		Static			

<b>Personality</b>	<b>Boot mode</b>	<b>Select Mode</b>	<b>Play Program</b>		
		<b>DMX High Priority</b>	<b>ON*/Off</b>		
	<b>Reverse LED</b>	<b>Off*/ON</b>			
	<b>Test Sequence</b>	<b>Run/Cancel</b>			
<b>Stand-Alone</b>	<b>Master/Slave</b>	<b>Alone*</b>			
		<b>Master</b>			
		<b>Slave</b>	<b>Slave 1/2/3</b>		
	<b>Static Mode</b>	<b>Color Wheel</b>	<b>0-255</b>		
		<b>Red</b>	<b>0-255</b>		
		<b>Green</b>	<b>0-255</b>		
		<b>Blue</b>	<b>0-255</b>		
		<b>White</b>	<b>0-255</b>		
		<b>Shutter</b>	<b>0-255</b>		
		<b>Dimmer</b>	<b>0-255</b>		
		<b>CTO</b>	<b>0-255</b>		
		<b>Pattern</b>	<b>0-255</b>		
		<b>Pattern Speed</b>	<b>0-255</b>		
		<b>Pattern Fade</b>	<b>0-255</b>		
		<b>Reset All</b>	<b>Yes/No</b>		
	<b>Program Edit</b>	<b>Program 1</b>	<b>Select Step</b>	<b>01-30</b>	
			<b>Capture DMX</b>	<b>Yes/Cancel</b>	
			<b>Color Wheel</b>	<b>0-255</b>	
			<b>Red</b>	<b>0-255</b>	
			<b>Green</b>	<b>0-255</b>	
<b>Blue</b>			<b>0-255</b>		
<b>White</b>			<b>0-255</b>		
<b>Shutter</b>			<b>0-255</b>		
<b>Dimmer</b>			<b>0-255</b>		
<b>CTO</b>			<b>0-255</b>		
<b>Reset All</b>			<b>Yes/NO</b>		
<b>Hold Time</b>			<b>000-999</b>		
	<b>Fade Time</b>	<b>000-999</b>			
	<b>Program 2/3</b>	<b>(See above)</b>			
	<b>Program Play</b>	<b>Program 1/2/3</b>			
	<b>Program Reset</b>	<b>Program 1/2/3/All</b>			
<b>Service</b>	<b>Reset</b>	<b>Fixture Reset</b>	<b>Reset/Cancel</b>		
	<b>LED Calibration ( Password:xxxx)</b>	<b>Color Min.</b>	<b>Red</b>	<b>0-255 ( 0* )</b>	
			<b>Green</b>	<b>0-255 ( 0* )</b>	
			<b>Blue</b>	<b>0-255 ( 0* )</b>	
			<b>White</b>	<b>0-255 ( 0* )</b>	
		<b>Color Max.</b>	<b>Red</b>	<b>0-255 (255*)</b>	
			<b>Green</b>	<b>0-255 (255*)</b>	
			<b>Blue</b>	<b>0-255 (255*)</b>	
			<b>White</b>	<b>0-255 (255*)</b>	
		<b>LED Protect</b>	<b>0-255 (100*)</b>		
<b>Factory Default</b>	<b>NO/Yes</b>				
<b>Information</b>	<b>Fixture time</b>	<b>Resettable</b>	<b>xxx H xxM</b>		
		<b>Total</b>	<b>xxx H xxM</b>		
		<b>Clear Resettable</b>	<b>Clear/Cancel</b>		
	<b>Fixture Temp.</b>	<b>Actual</b>	<b>xxx C/F</b>		
		<b>Max</b>	<b>xxx C/F</b>		
		<b>Reset Max</b>	<b>Cancel/Confirm</b>		
	<b>Firmware version</b>	<b>x.x.x.x</b>			
<b>Serial Number</b>	<b>Password : xxxx</b>	<b>xxxxxx</b>			

## 8.DMX protocol

Standard	Advanced	Pixel	Compressed RGBW	Fade Type	Function	Dmx Value					
1	1	1	*	Color Wheel	No Function, RGBW Colour mixing	0 – 5					
					LEE 790–Moroccan Pink	6–10					
					LEE 157–Pink	11–15					
					LEE 332–Special Rose Pink	16 – 20					
					LEE 328–Follies Pink	21 – 25					
					LEE 345–Fuchsia Pink	26 – 30					
					LEE 194–Surprise Pink	31 – 35					
					LEE 181–Congo Blue	36 – 40					
					LEE 071–Tokyo Blue	41 – 45					
					LEE 120–Deep Blue	46 – 50					
					LEE 079–Just Blue	51 – 55					
					LEE 132–Medium Blue	56 – 60					
					LEE 200–Double CT Blue	61 – 65					
					LEE 161–Slate Blue	66 – 70					
					LEE 201–Full CT Blue	71 – 75					
					LEE 202–Half CT Blue	76 – 80					
					LEE 117–Steel Blue	81 – 85					
					LEE 353–Lighter Blue	86 – 90					
					LEE 118–Light Blue	91 – 95					
					LEE 116–Medium Blue Green	96 – 100					
					LEE 124–Dark Green	101 – 105					
					LEE 139–Primary Green	106 – 110					
					LEE 089–Moss Green	111 – 115					
					LEE 122–Fern Green	116 – 120					
					LEE 738–JAS Green	121 – 125					
					LEE 088–Lime Green	126 – 130					
					LEE 100–Spring Yellow	131 – 135					
					LEE 104–Deep Amber	136 – 140					
					LEE 179–Chrome Orange	141 – 145					
					LEE 105–Orange	146 – 150					
					LEE 021–Gold Amber	151 – 155					
					LEE 778–Mellennium Gold	156 – 160					
					LEE 135–Deep Golden Amber	161 – 165					
					LEE 164–Flame Red	166 – 170					
					Colourwheel rotation effects						
					Coulourwheel rotation forward (fast – slow)						171 – 185
					Coulourwheel rotation stop						186 – 190
					Coulourwheel rotation backward (fast – slow)						191 – 205
					Coulourwheel rotation stop						206 – 210
					Random colours						
					Fast – slow						211 – 225
					White hue						
					Tungsten Simulation						226 – 230
					Warm white – 3200K						231 – 235
					Neutral white – 4200K						236 – 240
					Cold white – 5600K						241 – 245
					Cold white – 7200K						246 – 250
Cold white – 8000K						251 – 255					
2	2	2	1	Red	Red 0–100%	0 – 255					
*	3	3	*	Red fine	Red fine 0–100%	0 – 255					
3	4	4	2	Green	Green 0–100%	0 – 255					
*	5	5	*	Green fine	Green fine 0–100%	0 – 255					
4	6	6	3	Blue	Blue 0–100%	0 – 255					
*	7	7	*	Blue fine	Blue fine 0–100%	0 – 255					

Standard	Advanced	Pixel	Compressed RGBW	Fade Type	Function	Dmx Value
5	8	8	4	White	White 0-100%	0 - 255
*	9	9	*	White fine	White fine 0-100%	0 - 255
6	10	10	*	Shutter	Shutter Closed	0 - 15
					Random Strobe (slow-fast)	16 - 47
					Ramp Up (slow-fast)	48 - 79
					Ramp Down (slow-fast)	80 - 111
					Ramp UP & down (slow-fast)	112 - 143
					Strobe Pause 5s -1s (slow-fast)	144 - 199
					Strobe 1Hz -20 Hz (slow-fast)	200 - 239
					Shutter Open	240 - 255
7	11	11	*	Dimmer	Dimmer 0-100%	0 - 255
8	12	12	*	Dimmer fine	Dimmer fine 0-100%	0 - 255
9	13	13	*	CTO	CTO	0 - 255
10	14	*	*	Pattern 1	No Effect	0 - 5
					Static Pattern	6 - 61
					No Effect	62 - 79
					Animated Pattern	80 - 163
					Random Pixel	164 - 179
					No Effect	180 - 255
					11	15
12	16	*	*	Pattern 1 Fade	Pattern 1 Fade 0-100%	0 - 255
*	17	*	*	Pattern 1 Red	Pattern 1 Red 0-100%	0 - 255
*	18	*	*	Pattern 1 Green	Pattern 1 Green 0-100%	0 - 255
*	19	*	*	Pattern 1 Blue	Pattern 1 Blue 0-100%	0 - 255
*	20	*	*	Pattern 1 White	Pattern 1 White 0-100%	0 - 255
*	21	*	*	Pattern 1 Shutter	Pattern Shutter	0 - 255
*	22	*	*	Pattern 1 Dimmer	Pattern 1 Dimmer 0-100%	0 - 255
*	23	*	*	Pattern 2	No Effect	0 - 5
					Static Pattern	6 - 61
					No Effect	62 - 79
					Animated Pattern	80 - 163
					Random Pixel	164 - 179
					No Effect	180 - 255
*	24	*	*	Pattern 2 Speed	Pattern 2 Speed 0-100%	0 - 255
*	25	*	*	Pattern 2 Fade	Pattern 2 Fade 0-100%	0 - 255
*	26	*	*	Pattern 2 Red	Pattern 2 Red 0-100%	0 - 255
*	27	*	*	Pattern 2 Green	Pattern 2 Green 0-100%	0 - 255
*	28	*	*	Pattern 2 Blue	Pattern 2 Blue 0-100%	0 - 255
*	29	*	*	Pattern 2 White	Pattern 2 White 0-100%	0 - 255
*	30	*	*	Pattern 2 Shutter		0 - 255
*	31	*	*	Pattern 2 Dimmer	Pattern 1 Dimmer 0-100%	0 - 255
13	32	*	5	Control	Reserved	0 - 55
					Dimmer Speed: Smooth	56 - 60
					Dimmer Speed: Fast	61 - 65
					Reserved	66 - 70
					Dimmer Curve: Linear	71 - 75
					Dimmer Curve: Theatrical	76 - 80
					Dimmer Curve: Sqaure Law	81 - 85
					Dimmer Curve: Inverse Sqaure Law	86 - 90
					Reserved	91 - 95
					No DMX: Hold	96 - 100
					No DMX: Shutter Closed	101 - 105
					No DMX: Play Program 1	106 - 110
					Reserved	111 - 115
					Display Backlight: On	116 - 120
					Display Backlight: Off	121 - 125

Standard	Advanced	Pixel	Compressed RGBW	Fade Type	Function	Dmx Value
13	32	*	5	Control	Reserved	126 – 135
					DMX Mode: Standard	136 – 140
					DMX Mode: Advanced	141 – 145
					DMX Mode: Pixel	146 – 150
					DMX Mode: Compressed RGBW	151 – 155
					Reserved	156 – 175
					Zoom Reset	176 – 180
					Fixture Reset	181 – 185
					Factory default (except DMX Address & Mode)	186 – 190
					Reserved	191 – 200
					PWM Rate: 600 Hz	201 – 205
					PWM Rate: 1200 Hz	206 – 210
					PWM Rate: 2400 Hz	211 – 215
					PWM Rate: 4800 Hz	216 – 220
					PWM Rate: 9600 Hz	221 – 225
					Reserved	226 – 230
					Boot Mode: Auto	231 – 235
					Boot Mode: DMX	236 – 240
					Boot Mode: Program Play	241 – 245
					Boot Mode: Static	246 – 250
					Reserved	251 – 255
*	*	14	*	Red 1	Red 1 0–100%	0 – 255
*	*	15	*	Green 1	Green 1 0–100%	0 – 255
*	*	16	*	Blue 1	Blue 1 0–100%	0 – 255
*	*	17	*	White 1	White 1 0–100%	0 – 255
*	*	18	*	Red 2	Red 2 0–100%	0 – 255
*	*	19	*	Green 2	Green 2 0–100%	0 – 255
*	*	20	*	Blue 2	Blue 2 0–100%	0 – 255
*	*	21	*	White 2	White 2 0–100%	0 – 255
*	*	22	*	Red 3	Red 3 0–100%	0 – 255
*	*	23	*	Green 3	Green 3 0–100%	0 – 255
*	*	24	*	Blue 3	Blue 3 0–100%	0 – 255
*	*	25	*	White 3	White 3 0–100%	0 – 255
*	*	26	*	Red 4	Red 4 0–100%	0 – 255
*	*	27	*	Green 4	Green 4 0–100%	0 – 255
*	*	28	*	Blue 4	Blue 4 0–100%	0 – 255
*	*	29	*	White 4	White 4 0–100%	0 – 255
*	*	30	*	Red 5	Red 5 0–100%	0 – 255
*	*	31	*	Green 5	Green 5 0–100%	0 – 255
*	*	32	*	Blue 5	Blue 5 0–100%	0 – 255
*	*	33	*	White 5	White 5 0–100%	0 – 255
*	*	34	*	Red 6	Red 6 0–100%	0 – 255
*	*	35	*	Green 6	Green 6 0–100%	0 – 255
*	*	36	*	Blue 6	Blue 6 0–100%	0 – 255
*	*	37	*	White 6	White 6 0–100%	0 – 255
*	*	38	*	Red 7	Red 7 0–100%	0 – 255
*	*	39	*	Green 7	Green 7 0–100%	0 – 255
*	*	40	*	Blue 7	Blue 7 0–100%	0 – 255
*	*	41	*	White 7	White 7 0–100%	0 – 255
*	*	42	*	Red 8	Red 8 0–100%	0 – 255
*	*	43	*	Green 8	Green 8 0–100%	0 – 255
*	*	44	*	Blue 8	Blue 8 0–100%	0 – 255
*	*	45	*	White 8	White 8 0–100%	0 – 255
*	*	46	*	Red 9	Red 9 0–100%	0 – 255
*	*	47	*	Green 9	Green 9 0–100%	0 – 255
*	*	48	*	Blue 9	Blue 9 0–100%	0 – 255

Standard	Advanced	Pixel	Compressed RGBW	Fade Type	Function	Dmx Value
*	*	49	*	White 9	White 9 0-100%	0 - 255
*	*	50	*	Red 10	Red 10 0-100%	0 - 255
*	*	51	*	Green 10	Green 10 0-100%	0 - 255
*	*	52	*	Blue 10	Blue 10 0-100%	0 - 255
*	*	53	*	White 10	White 10 0-100%	0 - 255
*	*	54	*	Red 11	Red 11 0-100%	0 - 255
*	*	55	*	Green 11	Green 11 0-100%	0 - 255
*	*	56	*	Blue 11	Blue 11 0-100%	0 - 255
*	*	57	*	White 11	White 11 0-100%	0 - 255
*	*	58	*	Red 12	Red 12 0-100%	0 - 255
*	*	59	*	Green 12	Green 12 0-100%	0 - 255
*	*	60	*	Blue 12	Blue 12 0-100%	0 - 255
*	*	61	*	White 12	White 12 0-100%	0 - 255