

Colorful LED Soft Video Panel Light

PLSft1450G-rgb/vn



CE RoHS

User Manual

 Please read this user manual before using this product!

INDEX

I	PRODUCT MAIN FEATURES.....	01
II	OVERVIEW AND DIMENSIONS	02
III	SAFETY INFORMATION	02
IV	POWER CONNECTION	03
V	CONTROL PANEL AND KNOBS.....	06
VI	DMX PROTOCOL	08
VII	COMMON INSTRUCTION	21
VIII	LUX CHART.....	21
IX	TECHNICAL SPECIFICATION	22
X	APPENDIX	23

Device not work

No power

Check the power connection, and

		make sure device connect the mains in well condition. Check if the fuse is good.
LED Bulb is off	LED bulb damaged	Replacing LED bulb
	LED drive board damaged	Replacing LED drive board
	Temperature switch damaged	Replacing temperature switch

Caution

- Unqualified person involved with installation, operation and maintenance of this device is prohibited
- If any above mentioned problem happened, or unknown problem happened, please contact manufacturer or distributor for assistance.

Innovation, Quality, Performance, Achieving Users' Value!

technical reference in future, please keep this user manual well. This user manual contains all installation and operation information of this Colorful LED Soft Video Panel Light, it's very useful for user to install and operate the light. Please strictly abide by the relevant instruction for the installation and operation.

This light has very beautiful appearance. Based on the LED Film and Television Flat Light Technology, using high brightness SMD LED chips beads matrix arrangement of large area, through the whole aluminum shell to realize heat dissipation naturally, we have designed this light. This light has high brightness, good heat dissipation, ultra-quiet and other features. It can satisfy the requirement of indoor movie filming for the lighting layout. It is a good substitute of the traditional Fresnel spot light, which is very suitable for the studio room, TV station, Meeting room, stage, show and other entertainment places.

This light meets the following criteria:

GB7000.1-2007/IEC60598-1:2003

GB7000.217-2008/IEC60598-2-17:1984+A2:1990

I PRODUCT MAIN FEATURES

The light's lighting function is controlled by DMX-512, very convenient;

Using international standard (1990) DMX single, digital control panel display;

With 7CH, 7CH, 4CH DMX channel control modes;

Dimmer range: 0~100%, 0~15% dimmer smoothly;

CRI more than 95, 2500-9900K color temperature optional, light effective distance is 3~15 meters;

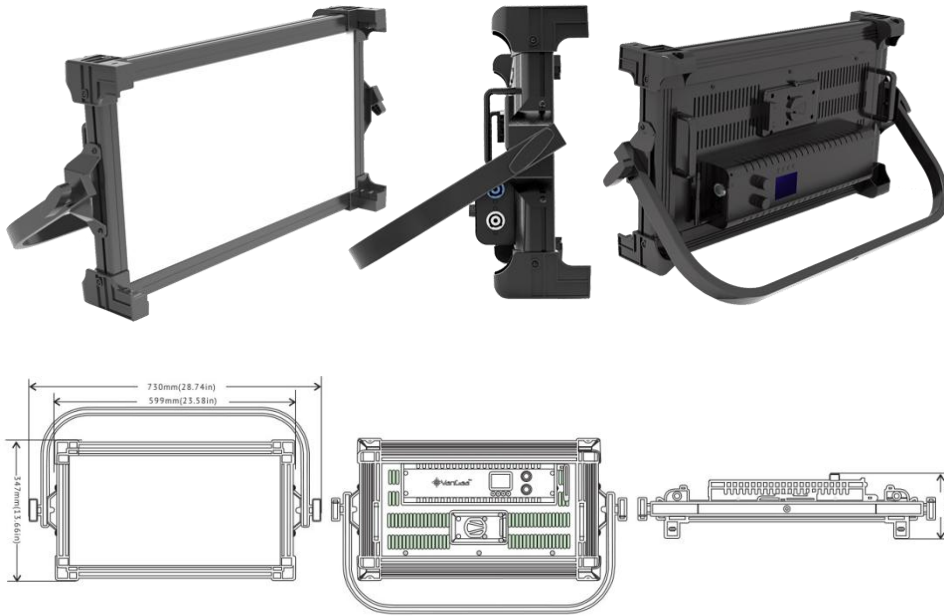
Cast aluminum radiator, equips copper tube radiator, no need fan cooling, realize the silent, intelligent temperature control system, improve the quality of our products stable

performance, apply to indoor installation.

Using brand LED chips, integrated encapsulation, improve reliability and long lifespan.

Using the advanced optical reflective material, make the light on the projection distance and brightness is higher than traditional film soft light.

II OVERVIEW AND DIMENSIONS



All dimensions are in millimeters

III SAFETY INFORMATION

※Important

Every person involved with the installation, operation and maintenance of this device has to be qualified and follow the instructions of this manual. Manufacturer will not with **Light**

Output

02

·CRI: Ra≥95

·Color temperature: Kelvin 2500k-9900K adjustable

Control

·DMX channel: 7CH, 7CH, 4CH

·Control mode: DMX-512, Demo mode, Manual

·Control panel: LCD display + 4 buttons + 2 knobs

Power Supply

·Related voltage: AC100V-240V, 50/60Hz; DC24-36V

·Related power: 150W

Construction

·Body dimension: D730*W153*H347mm

·Net weight: 7.5kg

·Shell color: black

·Housing material: aluminum alloy

Working Environment

·Working temperature: -25-40℃

·Cooling: aluminum radiator and light body

·Protection rating: IP20

Spare Parts

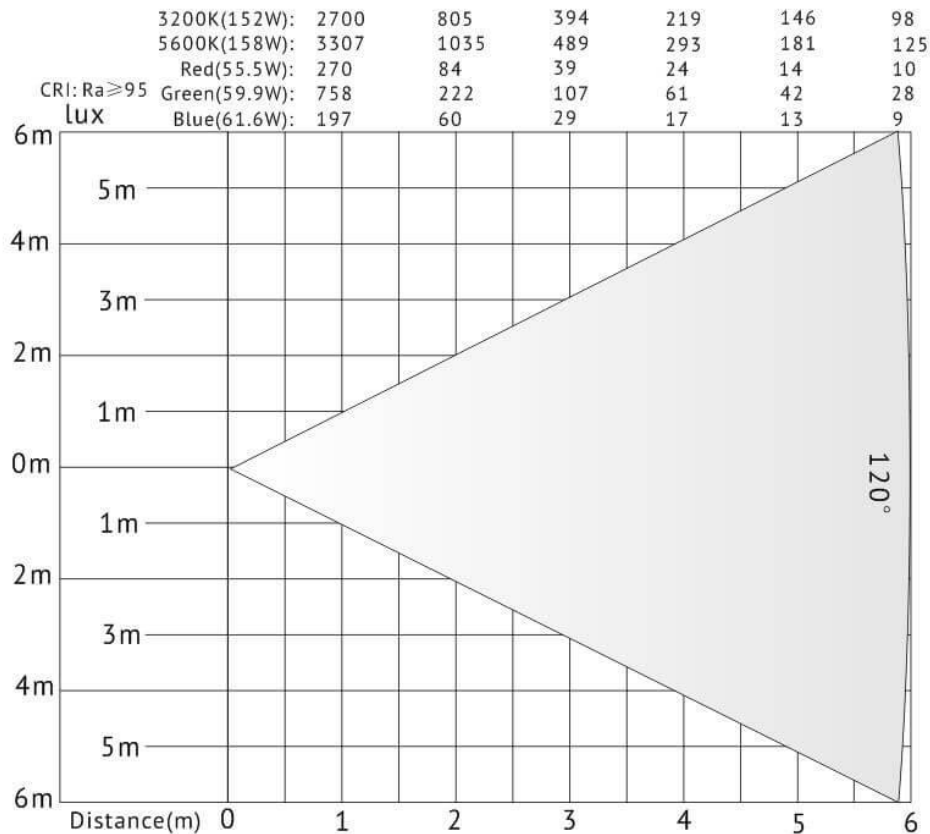
·Cable: 1set DMX in and DMX out signal cable, and 1set Power in and Power out power cable with plug [standard configuration]

·Light visor: 1pc light visor [optional configuration]

X APPENDIX

Problem and solution

Problem	Reason	Resolution
Device not work	No power	AC100-240V, 50/60Hz



IX TECHNICAL SPECIFICATION

Light Sources

- LED: 480pcs 0.2W RGB 3in1 LED chips, 480pcs 0.2W 3200K warm white LED chips, 480pcs 0.2W 5600K cold white led chips
- Lifespan: 50,000 hours
- Color: RGB colorful and from warm white to cold white

Optics

- Beam angle: 120° (90°/60° honeycomb louver optional)
- Dimmer: 0~100% linear dimmer

responsibility for those operations which are not according to this Instruction.

Verify that the voltage matches the rated voltage.

When the voltage is 110V, Do not connect more than 10 lightings in total to AC mains power in one interconnected daisy chain

When the voltage is 220V, Do not connect more than 20 lightings in total to AC mains power in one interconnected daisy chain

Before using the fixture, check that all power distribution equipment and cables are in perfect condition and rated for the current requirements of all connected devices.

Always ground (earth) the fixture electrically.

Avoiding hit the Light when you are move or install the light.

The minimum distance between light-output and the illuminated surface must be more than 0.5 meters. Keep all combustible materials (for example fabric, wood, paper) at least 0.2 meters away from the fixture.

Do not expose the fixture to rain or moisture.

Avoid looking directly into the light source (especially those who suffer from epileptic fits)

Maximum ambient temperature (Ta) is 40°C. Do not operate fixture at temperatures higher than this.

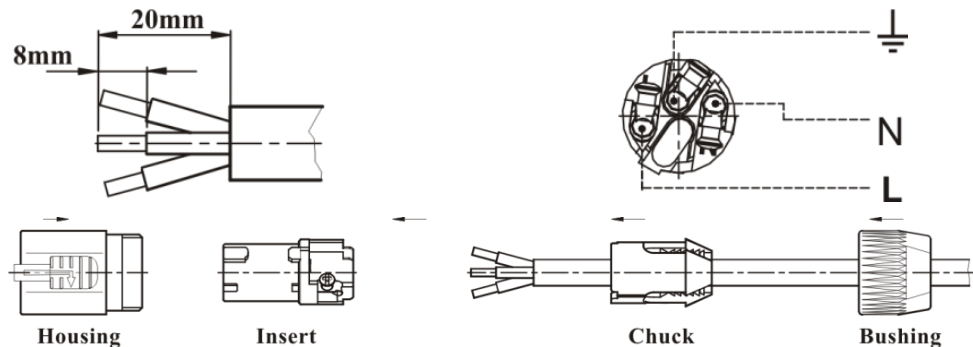
The Maximum surface temperature is 50°C

When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.

Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.

IV POWER CONNECTION

INSTALLING A NENUTRIK CONNECTOR ON A POWER CABLE



Put bushing and chuck onto the cable.

Prepare cable as shown above. The power cable must be a three-conductor 2.5mm² cable.

Insert the wire into the terminals and fasten the clamping device by a flat screw driver.

Push insert and chuck into housing (pay attention to the guiding keyway).

Fasten bushing.

The color-coding schemes and some possible pin identification schemes; if pins are not clearly identified, or if you have any doubts about proper installation, consult a qualified electrician.

RELAYING POWER TO OTHER DEVICES

The lightings can be linked in a chain by power cables which installed a blue and a light-gray connectors on the two ends. The light-gray connector connects to the power out socket of the first lighting, and the blue connector connects to the power in socket of the subsequent lighting, and so on.

VII COMMON INSTRUCTION

The light uses international 3 pins DMX signal cannon for DMX in and DMX out;

The light uses digital display to show the parameter. If there is no DMX in, the display will shows the information which you can check from the menu map.

In fact, the light has three DMX channels modes, and different bit. please refer the DMX channel chart.

This light uses intelligent full aluminium shell for the heat dissipation, through the electronic temperature detection ensure the stability of the circuit at any time;

This light is only for indoor use, when you install it by hanging, please use the safety cable to ensure the safety.

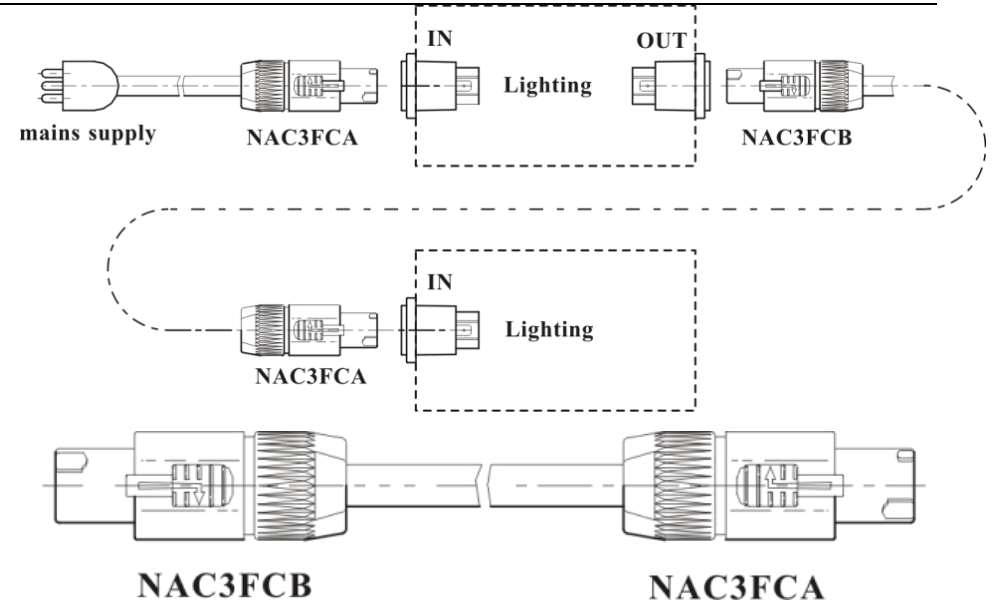
If you have any questions, please contact with our sales manager.

VIII LUX CHART

CH5	000↔255	GREEN(Active if G/M<10) Green from 0 to 100%
CH6	000↔255	BLUE(Active if G/M<10) Blue from 0 to 100%

16 Bit

DMX CH	DMX Value	Function
CH1	000↔255	Dimmer Dimmer 0-100%
CH2	000↔255	Dimmer Fine Dimmer Fine
CH3	000↔255	CCT(Kelvin) 2500K to 9900K
CH4	000↔009	G/M(G=Green, M=Magenta) No Function (0 G/M) 100M 100M to 1M 0 G/M 1G to 100G 100 G No Function (0 G/M)
	010↔019	
	020↔119	
	120↔129	
	130↔229	
	230↔239	
CH5	000↔255	RED(Active if G/M<10) Red from 0 to 100%
CH6	000↔255	GREEN(Active if G/M<10) Green from 0 to 100%
CH7	000↔255	BLUE(Active if G/M<10) Blue from 0 to 100%



The power cable must be a three-conductor 2.5mm² cable.

When the voltage is 110V, Do not connect more than 10 lightings in total to AC mains power in one interconnected daisy chain.

When the voltage is 220V, Do not connect more than 20 lightings in total to AC mains power in one interconnected daisy chain.

Wire color	Conductor	Symbol
Brown	Live	L
Blue	Neutral	N
Yellow/green	ground	$\perp$

PHYSICAL INSTALLATION

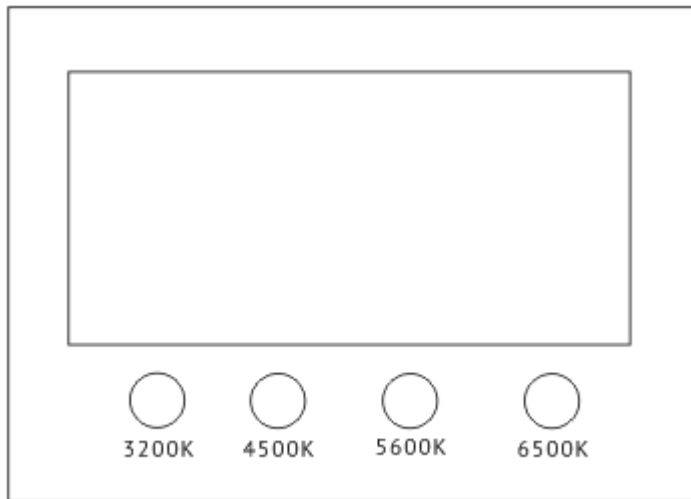
This lighting can be placed on a horizontal surface such as a stage or clamped to a truss or similar rigging structure in any orientation using a rigging clamp.

When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.

Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.

V CONTROL PANNEL AND KNOBS

BUTTON



- 3200K** Press this button can reach warm white(3200K) directly
4500K Press this button can reach daylight(4500K) directly
5600K Press this button can reach cold white(5600K) directly
6500K Press this button can reach blue cold white(6500K) directly

KNOBS CONTROL



Mode

Manual

CH5	230↔231	Middle Rose
	232↔233	Medium Pink
	234↔235	Light Pink
	236↔237	Dark Pink
	238↔239	Flesh Pink
	240↔255	No Function
CH6	000↔255	HUE Angle(Active if G/M<10 and GEL<10) Hue Angle 0 to 360
CH7	000↔255	Saturation(Active if G/M<10 and GEL<10) Saturation 0 to 100

RGB COLOR DMX CHANNEL LAYOUT

8 Bit

DMX CH	DMX Value	Function
CH1	000↔255	Dimmer Dimmer 0-100%
CH2	000↔255	CCT(Kelvin) 2500K to 9900K
CH3	000↔009	G/M(G=Green, M=Magenta) No Function (0 G/M)
	010↔019	100M
	020↔119	100M to 1M
	120↔129	0 G/M
	130↔229	1G to 100G
	230↔239	100 G
	240↔255	No Function (0 G/M)
CH4	000↔255	RED(Active if G/M<10) Red from 0 to 100%

CH5	176↔177	Sky Blue
	178↔179	Paler Lavender
	180↔181	Alice Blue
	182↔183	Special Lavender
	184↔185	Pale Violet
	186↔187	Just Blue
	188↔189	Violet
	190↔191	Dark Blue
	192↔193	Surprise Pink
	194↔195	Deeper Blue
	196↔197	Special M Blue
	198↔199	Zenith Blue
	200↔201	Light Lavender
	202↔203	Palace Blue
	204↔205	Lilac Tint
	206↔207	Deep Blue
	208↔209	Lavender Tint
	210↔211	Pale Lavender
	212↔213	Dark Lavender
	214↔215	Lavender
	216↔217	Deep Lavender
	218↔219	Congo Blue
	220↔221	Rose Purple
	222↔223	Mauve
	224↔225	Rose Pink
	226↔227	Follies Pink
	228↔229	Bright Pink

Rotating the "Mode" knob to setting the main menu, press it can enter;

Rotating the "Manual" knob to setting the sub menu, press it can kept.

After the setting, you can rotating the Manual knob for CCT and linear dimmer.

MENU MAP

Mode:White	
DIM: 000%	
CH**.Dim	= ****%
CH**~**.Dim	= ***,*%
CH**.CT	= ****K
CH**.G/M	= ****
Addr=001	T=***°C

Mode:GELS/HUE	
DIM: 000%	
CH**.Dim	= ****%
CH**~**.Dim	= ***,*%
CH**.CT	= ****K
CH**.G/M	= ****
CH**.Hue	= ***°
CH**.SAT	= ***
CH**.GEL	= ****
Addr=001	T=***°C

Mode:RGB	
DIM: 000%	
CH**.Dim	= ****%
CH**~**.Dim	= ***,*%
CH**.CT	= ****K
CH**.G/M	= ****
CH**.Red	= ***
CH**.Green	= ***
CH**.Blue	= ***
Addr=001	T=***°C

Main	
01.Address	= 001 ~ 512
02.Mode	= White GELS/HUE RGB
03.Language	= English Chinese
04.Option:Master	= OFF ON
05.Option:Dim BIT	= 8 Bit 16 Bit
06.Option:Dim Freq	= 1.8KHz 5.4KHz 12KHz 20KHz
07.Option:Dim Speed	= OFF 1 2 3 4
08.Display:Invert	= OFF ON
09.Display:DelayOFF	= OFF ON
10.Wireless Enable	= OFF ON
11.WirelessUnlink:Press 3S	
12.Wireless status:Unlink	Linking No DMX DMX OK
13.Version:*.***	

VI DMX PROTOCOL

WHITE MODE DMX CHANNEL LAYOUT

8 Bit

DMX CH	DMX Value	Function
CH1	000↔→255	Dimmer
		Dimmer 0-100%
CH2	000↔→255	CCT(Kelvin)
		3200K to 6500K
CH3	000↔→009	G/M(G=Green,M=Magenta) No Function (0 G/M)
	010↔→019	100M
	020↔→119	100M to 1M
	120↔→129	0 G/M
	130↔→229	1G to 100G
	230↔→239	100 G
	240↔→255	No Function (0 G/M)

16 Bit

DMX CH	DMX Value	Function
CH1	000↔→255	Dimmer
		Dimmer 0-100%
CH2	000↔→255	Dimmer Fine
		Dimmer fine
CH3	000↔→255	CCT (Kelvin)
		3200K to 6500K
CH4	000↔→009	G/M(G=Green,M=Magenta) No Function (0 G/M)
	010↔→019	100M

122↔→123	Lime Green
124↔→125	Pale Green
126↔→127	Leaf Green
128↔→129	Fern Green
130↔→131	Primary Green
132↔→133	Moss Green
134↔→135	Dark Y Green
136↔→137	Dark Green
138↔→139	Marine Blue
140↔→141	Peacock Blue
142↔→143	Med Blue-Green
144↔→145	Sp Steel Blue
146↔→147	Lagoon Blue
148↔→149	Steel Blue
150↔→151	Lighter Blue
152↔→153	Summer Blue
154↔→155	Light Blue
156↔→157	Moonlight Blue
158↔→159	Pale Blue
160↔→161	Pale Navy Blue
162↔→163	Mist Blue
164↔→165	Bright Blue
166↔→167	True Blue
168↔→169	Dark Steel Blue
170↔→171	Daylight Blue
172↔→173	Slate Blue
174↔→175	Medium Blue

068↔069	Fire
070↔071	Sunset Red
072↔073	Pale Gold
074↔075	English Rose
076↔077	Bastard Amber
078↔079	Surprise Peach
080↔081	Deep Gld Amber
082↔083	Dark Amber
084↔085	Apricot
086↔087	Gold Amber
088↔089	Cosmetic Peach
090↔091	Deep Orange
092↔093	Chocolate
094↔095	Orange
096↔097	White Flame
098↔099	Medium Amber
100↔101	Pale Amber Gold
102↔103	Chrome Orange
104↔105	Straw Tint
106↔107	Straw
108↔109	Deep Straw
110↔111	Deep Amber
112↔113	Light Amber
114↔115	Yellow
116↔117	Medium Yellow
118↔119	Spring Yellow
120↔121	Pale Yellow

CH4	020↔119	100M to 1M
	120↔129	0 G/M
	130↔229	1G to 100G
	230↔239	100 G
	240↔255	No Function (0 G/M)

GEL/HUE COLOR MODE DMX CHANNEL LAYOUT**8 Bit**

DMX CH	DMX Value	Function
CH1	000↔255	Dimmer
		Dimmer 0-100%
CH2	000↔255	CCT(Kelvin)
		2500K to 9900K
CH3	000↔255	G/M(G=Green, M=Magenta)
		No Function (0 G/M)
		100M
		100M to 1M
		0 G/M
		1G to 100G
		100 G
CH4	000↔255	No Function (0 G/M)
		GEL List(Active if G/M<10)
		No Function
		Candle Flame
		Warm White
		Cool White
		LP Sodium Vpr
		Mercury Vpr

020↔021	20K Blue Sky
022↔023	Green Screen
024↔025	Blue Screen
026↔027	Smokey Pink
028↔029	Dark Magenta
030↔031	Bright Rose
032↔033	Pale Salmon
034↔035	Light Rose
036↔037	Light Salmon
038↔039	Magenta
040↔041	Pink
042↔043	Rosy Amber
044↔045	Pale Red
046↔047	Scarlet
048↔049	Loving Amber
050↔051	Pale Rose
052↔053	Medium Red
054↔055	Gold Tint
056↔057	M Bastard Amber
058↔059	Bright Red
060↔061	Flame Red
062↔063	Primary Red
064↔065	Light Red
066↔067	Dark Salmon
068↔069	Fire
070↔071	Sunset Red
072↔073	Pale Gold

014↔015	Cool White
016↔017	LP Sodium Vpr
018↔019	Mercury Vpr
020↔021	20K Blue Sky
022↔023	Green Screen
024↔025	Blue Screen
026↔027	Smokey Pink
028↔029	Dark Magenta
030↔031	Bright Rose
032↔033	Pale Salmon
034↔035	Light Rose
036↔037	Light Salmon
038↔039	Magenta
040↔041	Pink
042↔043	Rosy Amber
044↔045	Pale Red
046↔047	Scarlet
048↔049	Loving Amber
050↔051	Pale Rose
052↔053	Medium Red
054↔055	Gold Tint
056↔057	M Bastard Amber
058↔059	Bright Red
060↔061	Flame Red
062↔063	Primary Red
064↔065	Light Red
066↔067	Dark Salmon

CH4	236↔237	Dark Pink
	238↔239	Flesh Pink
	240↔255	No Function
CH5	000↔255	HUE Angle(Active if G/M<10 and GEL<10) Hue Angle 0 to 360
CH6	000↔255	Saturation(Active if G/M<10 and GEL<10) Saturation 0 to 100

16 Bit

DMX CH	DMX Value	Function
CH1	000↔255	Dimmer
		Dimmer 0-100%
CH2	000↔255	Dimmer Fine
		Dimmer Fine
CH3	000↔255	CCT (Kelvin)
		2500K to 9900K
CH4	000↔009	G/M(G=Green,M=Magenta) No Function (0 G/M)
	010↔019	100M
	020↔119	100M to 1M
	120↔129	0 G/M
	130↔229	1G to 100G
	230↔239	100 G
	240↔255	No Function (0 G/M)
CH5	000↔009	GEL List(Active if G/M<10) No Function
	010↔011	Candle Flame
	012↔013	Warm White

074↔075	English Rose
076↔077	Bastard Amber
078↔079	Surprise Peach
080↔081	Deep Gld Amber
082↔083	Dark Amber
084↔085	Apricot
086↔087	Gold Amber
088↔089	Cosmetic Peach
090↔091	Deep Orange
092↔093	Chocolate
094↔095	Orange
096↔097	White Flame
098↔099	Medium Amber
100↔101	Pale Amber Gold
102↔103	Chrome Orange
104↔105	Straw Tint
106↔107	Straw
108↔109	Deep Straw
110↔111	Deep Amber
112↔113	Light Amber
114↔115	Yellow
116↔117	Medium Yellow
118↔119	Spring Yellow
120↔121	Pale Yellow
122↔123	Lime Green
124↔125	Pale Green
126↔127	Leaf Green

128↔129	Fern Green
130↔131	Primary Green
132↔133	Moss Green
134↔135	Dark Y Green
136↔137	Dark Green
138↔139	Marine Blue
140↔141	Peacock Blue
142↔143	Med Blue-Green
144↔145	Sp Steel Blue
146↔147	Lagoon Blue
148↔149	Steel Blue
150↔151	Lighter Blue
152↔153	Summer Blue
154↔155	Light Blue
156↔157	Moonlight Blue
158↔159	Pale Blue
160↔161	Pale Navy Blue
162↔163	Mist Blue
164↔165	Bright Blue
166↔167	True Blue
168↔169	Dark Steel Blue
170↔171	Daylight Blue
172↔173	Slate Blue
174↔175	Medium Blue
176↔177	Sky Blue
178↔179	Paler Lavender
180↔181	Alice Blue

182↔183	Special Lavender
184↔185	Pale Violet
186↔187	Just Blue
188↔189	Violet
190↔191	Dark Blue
192↔193	Surprise Pink
194↔195	Deeper Blue
196↔197	Special M Blue
198↔199	Zenith Blue
200↔201	Light Lavender
202↔203	Palace Blue
204↔205	Lilac Tint
206↔207	Deep Blue
208↔209	Lavender Tint
210↔211	Pale Lavender
212↔213	Dark Lavender
214↔215	Lavender
216↔217	Deep Lavender
218↔219	Congo Blue
220↔221	Rose Purple
222↔223	Mauve
224↔225	Rose Pink
226↔227	Follies Pink
228↔229	Bright Pink
230↔231	Middle Rose
232↔233	Medium Pink
234↔235	Light Pink