

powerpixel Q50

CONTENTS

SAFETY ----- 02

INTRODUCTION ----- 03

COLOR&PHOTOMETRICS ----- 04

DIMENSION ----- 05

OVERVIEW ----- 06

INSTALLATION ----- 07

CONNECTION ----- 09

MENU ----- 11

DMX CHARTS ----- 14

MAINTENANCE ----- 31

SAFETY



WARNING! Before carrying out any operations with the unit, carefully read this instruction manual and keep it with care for future reference. It contains important information about the installation, user and maintenance of the unit.



General instruction

- The products referred to in this manual conform to the European Community Directives and are therefore marked with CE.
- The unit is supplied with hazardous network voltage (230V~). Leave serving to skilled personnel only. Never make any modifications on the unit not described in this instruction manual, otherwise you will risk an electric shock.
- Connection must be made to power supply system fitted with efficient earthing (Class I appliance according to standard EN60598-1). It is moreover, recommended to protect the supply lines of the units from indirect contact and/or shorting to earth by using appropriately sized residual current devices.
- The connection to the main network of electric distribution must be carried out by a qualified electrical installer. Check that the main frequency and voltage correspond to those for which the unit is designed as given on the electrical data table.
- This unit is not for home use, only professional applications.
- Never use the fixture under the following conditions:
 - in places subject to vibrations or bumps;
 - in places with a temperature of over 40 °C.
- Make certain that no inflammable liquids, water or metal objects enter the fixture,
- Do not dismantle or modify the fixture.
- All work must always be carried out by qualified technical personnel. Contact the nearest sales point for an inspection or contact the manufacturer directly.
- If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.



Warnings and installation precautions

- If this device will be operated in any way different to the one described in this manual, it may suffer damage and the guarantee becomes void. Furthermore, any operation may lead to dangers like short circuit, burns, electric shock, etc.
- Before starting any maintenance work or cleaning the fixture, cut off power from the main supply.
- Always additionally secure the fixture with the safety rope. When carrying out any work, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture's being used.
- Install the fixture in a well ventilated place.
- Keep any inflammable materials at a safe distance from the fixture.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.
- Never look directly at the light beam. Please note that fast changes in lighting, e.g. flashing light, may trigger epileptic seizures in photosensitive persons or persons with epilepsy.
- Do not touch the product's housing when operating because it may be very hot.

MAINTENANCE

MAINTENANCE AND CLEANING THE UNIT

- Make sure the area below the installation place is free from unwanted person during setup.
- Switch off the unit, unplug the main cable and wait till the unit has cooled down.
- All screws used for installing the device and any of its parts should be tightly fastened and should not be corroded.
- Housings, fixations and installation spots (ceiling, trusses, suspensions) should be totally free from any deformation.
- The main cables must be in impeccable condition and should be replaced immediately even when a small problem is detected.
- It is recommended to clean the front at regular intervals, from impurities caused by dust, smoke, or other particles to ensure that the light is radiated at maximum brightness. For cleaning, disconnect the main plug from the socket. Use a soft, clean cloth moistened with a mild detergent. Then carefully wipe the parts dry. For cleaning other housing parts use only a soft, clean cloth. Never use a liquid, it might penetrate the unit and cause damage to it.

FUSE REPLACEMENT

1. Disconnect this product from the power outlet.
2. Using a screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with a good fuse of the same type and rating.



4. Screw the fuse holder cap back in place and reconnect power.

TROUBLESHOOTING

Problems	Possible causes	Checks and remedies
Fixture does not light up	• No mains supply • Dimmer fader set to 0 • Faulty LED • Faulty LED board	• Check the power supply voltage • Increase the value of the dimmer channels • Replace the LED board • Replace the LED board
General low light intensity	• Dirty lens assembly • Misaligned lens assembly	• Clean the fixture regularly • Install lens assembly properly
Fixture does not power up	• No power • Loose or damaged power cord • Faulty internal power supply	• Check for power on power outlet • Check power cord • Replace internal power supply

Contact an authorized service center in case of technical problems or not reported in the above table cannot be resolved by the procedure given in the table.

DMX Chart

205	Auto speed	000-255	Auto speed slow to fast	
206	Dimmer Speed Mode	000-051	Preset dimmer speed from display menu	
		052-101	Dimmer speed mode off	
		102-152	Dimmer speed mode1 (fast speed)	
		153-203	Dimmer speed mode2 (middle speed)	
		204-255	Dimmer speed mode3 (slow speed)	

INTRODUCTION

- 120W RGB LEDs, 50x1 matrix
- Endless possibilities for creative arrangement
- Optimized for pixel map and video effects
- Rugged proprietary locking system for easy interconnection with multiple units
- IP66 weather-proof construction
- DMX512, RDM, Art-Net control

SPECIFICATION

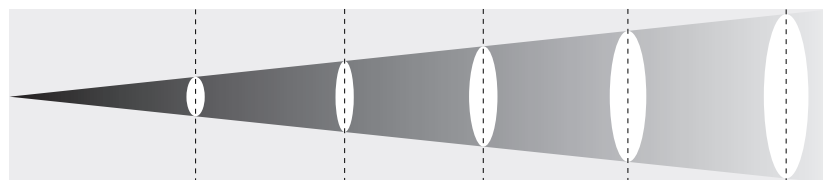
Light Source:	R:95W, G:115W, B:115W, W:115W, All:120W
CCT:	1800K-8000K
Output:	2954 lm; with black diffuser:500lm; Peak value: 6200lm
Illuminance:	120Lux@3M
CRI:	≥90
Lamp Life:	20000Hrs
Beam Angle:	134°
Field Angle:	146°
Available Lens:	Black flat diffusor, rectangular, lens, rounded dome lens
Color Mixing:	RGBW
Strobe:	0-30 Hz
Dimmer:	4 dimming curves, 0~100% dimming
Protocol:	RDM, DMX and Art Net
DMX Channels:	4CH/6CH/8CH/8_2CH/10CH/11CH/13CH/14CH/20CH/26CH /40CH/46CH/100CH/106CH/200CH/206CH
Mains:	100 - 240 VAC, 50/60 Hz
Power/DMX Connections:	IP Power +DMX In/Out, linking up to 20pcs
Consumption:	120W@200V, 120W@240V
Housing:	Aluminium, matte black finish
IP Rating:	IP66
Ambient:	-15 ~ 45 °C
Cooling:	Passive
Dimension:	1000 x 90 x 103.8 mm
Weight:	3.4KG

Color



PHOTOMETRICS

Beam Angle 134° without diffusor



Distance(M)	3	5	7	10	20
Illuminance (Lux)	120	43	22	11	3

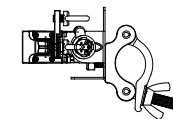
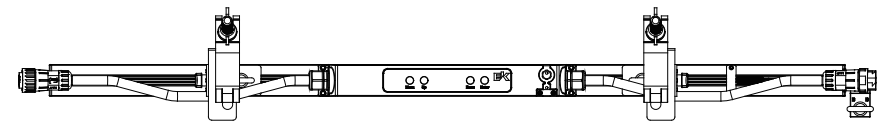
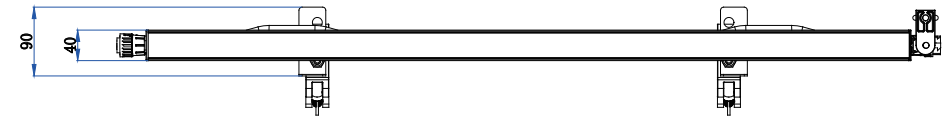
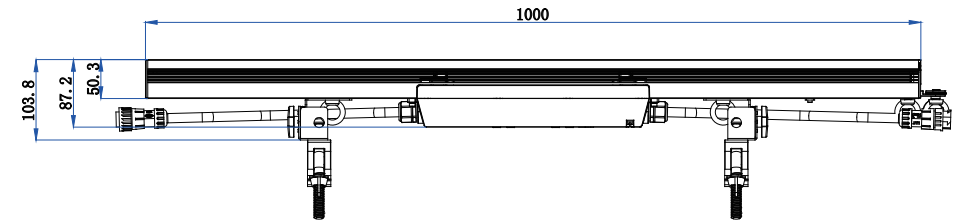
DMX Chart

202	Strobe	000-001	No function	
		001-255	Strobe slow to fast	
203	Color Temperature	000~009	No Function	
		010~018	1800K	
		019~028	1900K	
		029~037	2000K	
		038~047	2100K	
		048~056	2200K	
		057~066	2300K	
		067~075	2400K	
		076~085	2500K	
		086~094	2600K	
		095~103	2700K	
		104~113	2800K	
		114~122	2900K	
		123~132	3000K	
		133~141	3200K	
		142~151	3500K	
		152~160	3700K	
		161~170	4000K	
		171~179	4300K	
		180~188	4700K	
		189~198	5000K	
		199~207	5600K	
		208~217	6000K	
		218~226	6500K	
		227~236	7000K	
		237~245	7500K	
		246~255	8000K	
204	Auto programs	000-010	No Function	
		011-040	Auto Program 1	
		041-080	Auto Program 2	
		081-120	Auto Program 3	
		121-160	Auto Program 4	
		161-200	Auto Program 5	
		201-240	Auto Program 6	
		241-255	No Function	

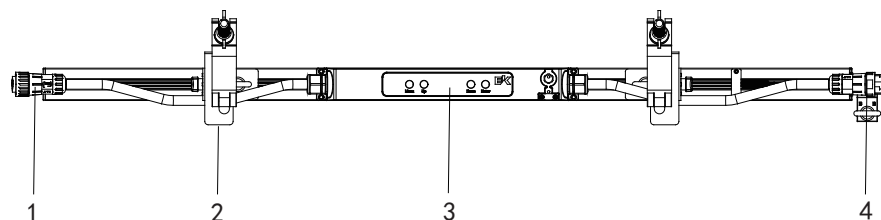
DMX Chart

200CH	Function	Value	Percent/Setting	Remark
1	Red 1	000-255	0~100%	
2	Green 1	000-255	0~100%	
3	Blue 1	000-255	0~100%	
4	White 1	000-255	0~100%	
5	Red 2	000-255	0~100%	
6	Green 2	000-255	0~100%	
7	Blue 2	000-255	0~100%	
8	White 2	000-255	0~100%	
....	...	...	...	
193	Red 49	000-255	0~100%	
194	Green 49	000-255	0~100%	
195	Blue 49	000-255	0~100%	
196	White 49	000-255	0~100%	
197	Red 50	000-255	0~100%	
198	Green 50	000-255	0~100%	
199	Blue 50	000-255	0~100%	
200	White 50	000-255	0~100%	
206CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0~100%	
2	Red 1	000-255	0~100%	
3	Green 1	000-255	0~100%	
4	Blue 1	000-255	0~100%	
5	White 1	000-255	0~100%	
6	Red 2	000-255	0~100%	
7	Green 2	000-255	0~100%	
8	Blue 2	000-255	0~100%	
9	White 2	000-255	0~100%	
....	...	...	...	
194	Red 49	000-255	0~100%	
195	Green 49	000-255	0~100%	
196	Blue 49	000-255	0~100%	
197	White 49	000-255	0~100%	
198	Red 50	000-255	0~100%	
199	Green 50	000-255	0~100%	
200	Blue 50	000-255	0~100%	
201	White 50	000-255	0~100%	

DIMENSION



OVERVIEW



1.Power+ DMX In

2.Mount Bracket

3.Display

4. Power+ DMX Out

MODE	ILLUSTRATION	DESCRIPTION	EFFECT
MENU	MENU OPTION	ENTER MENU	MENU OPERATION
UP	UP	SCROLL UP	INCREASE NUMERIC VALUE
DOWN	DOWN	SCROLL DOWN	DECREASE NUMERIC VALUE
ENTER	CONFIRM	CONFIRM	SAVE SETTING

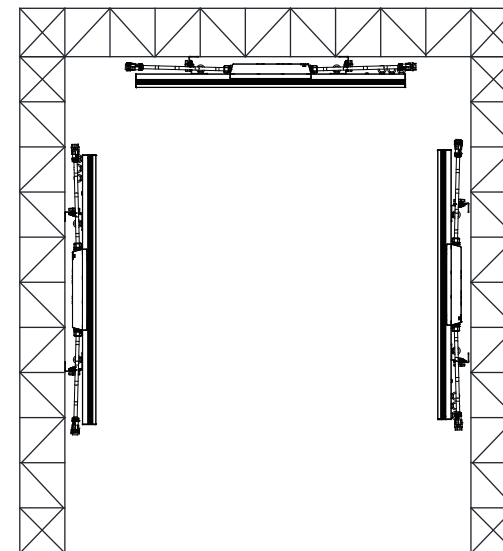
DMX Chart

103	Color Temperature	142-151	3500K	
		152-160	3700K	
		161-170	4000K	
		171-179	4300K	
		180-188	4700K	
		189-198	5000K	
		199-207	5600K	
		208-217	6000K	
		218-226	6500K	
		227-236	7000K	
		237-245	7500K	
		246-255	8000K	
104	Auto programs	000-010	No Function	
		011-040	Auto Program 1	
		041-080	Auto Program 2	
		081-120	Auto Program 3	
		121-160	Auto Program 4	
		161-200	Auto Program 5	
		201-240	Auto Program 6	
		241-255	No Function	
105	Auto speed	000-255	Auto speed slow to fast	
106	Dimmer Speed Mode	000-051	Preset dimmer speed from display menu	
		052-101	Dimmer speed mode off	
		102-152	Dimmer speed mode1 (fast speed)	
		153-203	Dimmer speed mode2 (middle speed)	
		204-255	Dimmer speed mode3 (slow speed)	

DMX Chart

106CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0~100%	
2	Red 1	000-255	0~100%	
3	Green 1	000-255	0~100%	
4	Blue 1	000-255	0~100%	
5	White 1	000-255	0~100%	
6	Red 2	000-255	0~100%	
7	Green 2	000-255	0~100%	
8	Blue 2	000-255	0~100%	
9	White 2	000-255	0~100%	
....	...	...	...	
94	Red 24	000-255	0~100%	
95	Green 24	000-255	0~100%	
96	Blue 24	000-255	0~100%	
97	White 24	000-255	0~100%	
98	Red 25	000-255	0~100%	
99	Green 25	000-255	0~100%	
100	Blue 25	000-255	0~100%	
101	White 25	000-255	0~100%	
102	Strobe	000-001	No function	
		001-255	Strobe slow to fast	
103	Color Temperature	000~009	No Function	
		010~018	1800K	
		019~028	1900K	
		029~037	2000K	
		038~047	2100K	
		048~056	2200K	
		057~066	2300K	
		067~075	2400K	
		076~085	2500K	
		086~094	2600K	
		095~103	2700K	
		104~113	2800K	
		114~122	2900K	
		123~132	3000K	
		133~141	3200K	

INSTALLATION

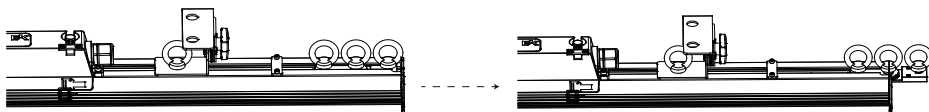


The fixture may be set up on a solid and even surface. By means of the fixing facilities of the baseplate, the unit can also be mounted on a truss system or horizontally to the wall or ceiling. For fixing, stable mounting clips are required. The bolts of the brackets are placed into the openings provided in the base plate and turned clockwise until they lock (to the stop). Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. The mounting place must be of sufficient stability and be able to support a weight of 10 times of the unit's weight. When carrying out any installation, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture's being used. Always additionally secure the projector with the safety rope from falling down. For this purpose, fasten the safety rope at a suitable position.

Installation

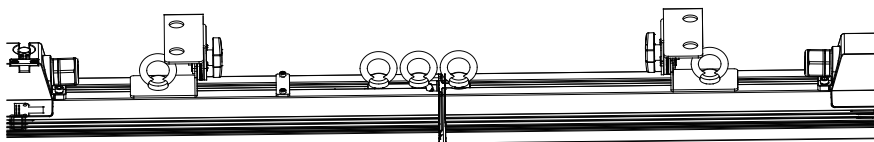
①

Loosen the ring screws, and reach them out



②

connect with second fixture and fasten the ring screw to lock

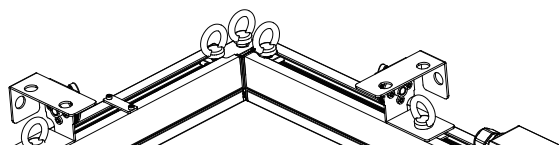


③

This structure supports multi angle connection



④



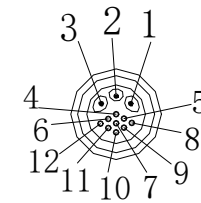
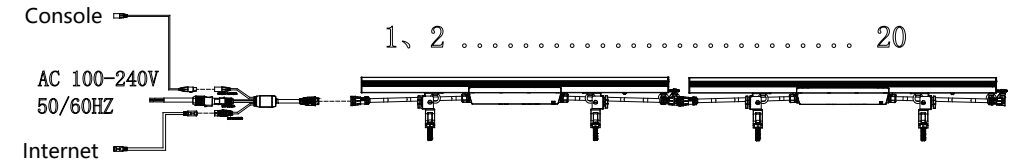
DMX Chart

45	Auto speed	000-255	Auto speed slow to fast	
46	Dimmer Speed Mode	000-051	Preset dimmer speed from display menu	
		052-101	Dimmer speed mode off	
		102-152	Dimmer speed mode1 (fast speed)	
		153-203	Dimmer speed mode2 (middle speed)	
		204-255	Dimmer speed mode3 (slow speed)	
100CH	Function	Value	Percent/Setting	Remark
1	Red 1	000-255	0~100%	
2	Green 1	000-255	0~100%	
3	Blue 1	000-255	0~100%	
4	White 1	000-255	0~100%	
5	Red 2	000-255	0~100%	
6	Green 2	000-255	0~100%	
7	Blue 2	000-255	0~100%	
8	White 2	000-255	0~100%	
....	...	...	...	
93	Red 24	000-255	0~100%	
94	Green 24	000-255	0~100%	
95	Blue 24	000-255	0~100%	
96	White 24	000-255	0~100%	
97	Red 25	000-255	0~100%	
98	Green 25	000-255	0~100%	
99	Blue 25	000-255	0~100%	
100	White 25	000-255	0~100%	

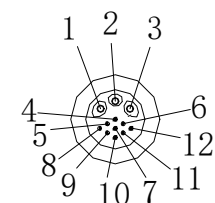
DMX Chart

42	Strobe	000-001	No function	
		001-255	Strobe slow to fast	
43	Color Temperature	000~009	No Function	
		010~018	1800K	
		019~028	1900K	
		029~037	2000K	
		038~047	2100K	
		048~056	2200K	
		057~066	2300K	
		067~075	2400K	
		076~085	2500K	
		086~094	2600K	
		095~103	2700K	
		104~113	2800K	
		114~122	2900K	
		123-132	3000K	
		133-141	3200K	
		142-151	3500K	
		152-160	3700K	
		161-170	4000K	
		171-179	4300K	
		180-188	4700K	
		189-198	5000K	
		199-207	5600K	
		208-217	6000K	
		218-226	6500K	
		227-236	7000K	
		237-245	7500K	
		246-255	8000K	
44	Auto programs	000-010	No Function	
		011-040	Auto Program 1	
		041-080	Auto Program 2	
		081-120	Auto Program 3	
		121-160	Auto Program 4	
		161-200	Auto Program 5	
		201-240	Auto Program 6	
		241-255	No Function	

POWER CONNECTION



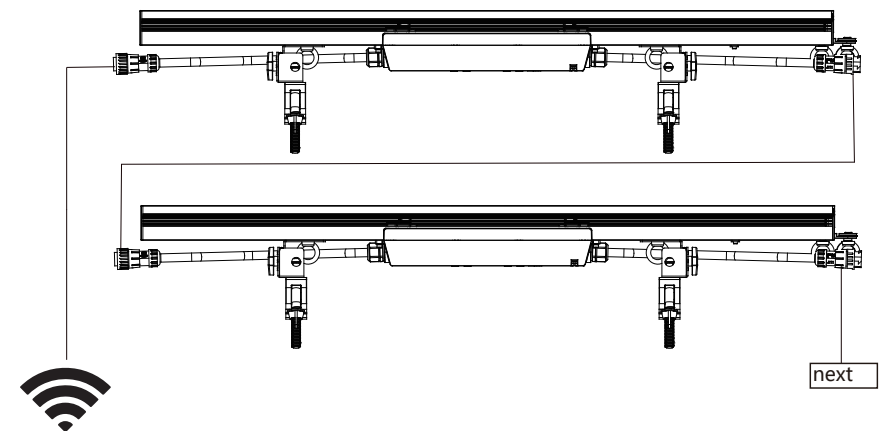
Power+DMX In



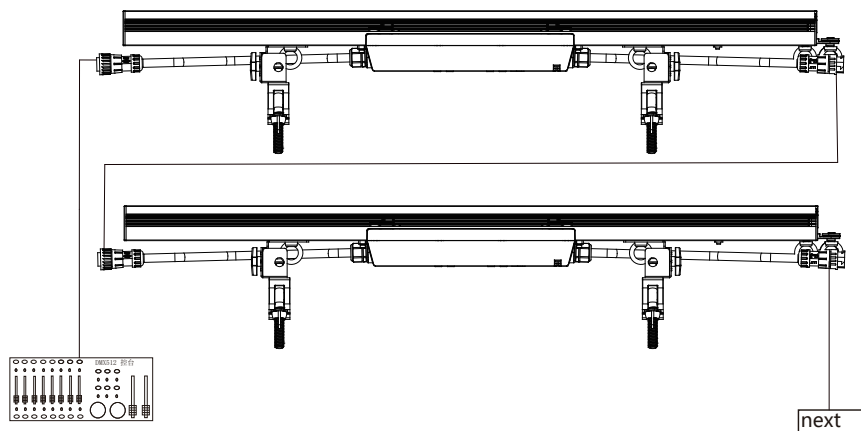
Power+DMX Out

Tips: 1-3 for Power connection, 4-12 for DMX+Internet

Art Net CONNECTION



DMX CONNECTION



Relation between DMX and Address

MODE	ALLOCATION	START ADDRESS 1ST FIXTURE	START ADDRESS 2ND FIXTURE	START ADDRESS 3RD FIXTURE	START ADDRESS 4TH FIXTURE
10CH	001 -010	001	011	021	031

Follow above method for subsequent fixtures, calculating starting addressed as indicated.

DMX Chart

40CH	Function	Value	Percent/Setting	Remark
1	Red 1	000-255	0~100%	
2	Green 1	000-255	0~100%	
3	Blue 1	000-255	0~100%	
4	White 1	000-255	0~100%	
5	Red 2	000-255	0~100%	
6	Green 2	000-255	0~100%	
7	Blue 2	000-255	0~100%	
8	White 2	000-255	0~100%	
....	...	...	...	
33	Red 9	000-255	0~100%	
34	Green 9	000-255	0~100%	
35	Blue 9	000-255	0~100%	
36	White 9	000-255	0~100%	
37	Red 10	000-255	0~100%	
38	Green10	000-255	0~100%	
39	Blue 10	000-255	0~100%	
40	White 10	000-255	0~100%	

46CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0~100%	
2	Red 1	000-255	0~100%	
3	Green 1	000-255	0~100%	
4	Blue 1	000-255	0~100%	
5	White 1	000-255	0~100%	
6	Red 2	000-255	0~100%	
7	Green 2	000-255	0~100%	
8	Blue 2	000-255	0~100%	
9	White 2	000-255	0~100%	
....	...	...	...	
34	Red 9	000-255	0~100%	
35	Green 9	000-255	0~100%	
36	Blue 9	000-255	0~100%	
37	White 9	000-255	0~100%	
38	Red 10	000-255	0~100%	
39	Green10	000-255	0~100%	
40	Blue 10	000-255	0~100%	
41	White 10	000-255	0~100%	

DMX Chart

23	Color Temperature	142-151	3500K	
		152-160	3700K	
		161-170	4000K	
		171-179	4300K	
		180-188	4700K	
		189-198	5000K	
		199-207	5600K	
		208-217	6000K	
		218-226	6500K	
		227-236	7000K	
		237-245	7500K	
		246-255	8000K	
24	Auto programs	000-010	No Function	
		011-040	Auto Program 1	
		041-080	Auto Program 2	
		081-120	Auto Program 3	
		121-160	Auto Program 4	
		161-200	Auto Program 5	
		201-240	Auto Program 6	
25	Auto speed	000-255	Auto speed slow to fast	
26	Dimmer Speed Mode	000-051	Preset dimmer speed from display menu	
		052-101	Dimmer speed mode off	
		102-152	Dimmer speed mode1 (fast speed)	
		153-203	Dimmer speed mode2 (middle speed)	
		204-255	Dimmer speed mode3 (slow speed)	

MENU

EK-POWER PIXEL Q50 Menu					
NO.	Main Menu	Menu level 2	Menu level 3	Menu level4	Dedault
1	DMX Address	<001>			Default: 001
2	DMX Channel	4CH			Default: 10CH
		6CH			
		8CH			
		10CH			
		11CH			
		13CH			
		8_2CH			
		14CH			
		20CH			
		26CH			
		40CH			
		46CH			
		100CH			
		106CH			
		200CH			
		206CH			
3	Static	Fixed Color	R	Dimmer<0-255>	Default: RGBW
			G		
			B		
			W		
			RG		
			RB		
			RW		
			GB		
			GW		
			BW		
			RGB		
			RGW		
			RBW		
			GBW		
			RGBW		
		Color Temperature	1800K	3200K	Default: 3200K
			1900K	3500K	
			2000K	3700K	
			2100K	4000K	
			2200K	4300K	
			2300K	4700K	
			2400K	5000K	

MENU

3	Static	Color Temperature	2500K	5600K		Default: 3200K
			2600K	6000K		
			2700K	6500K		
			2800K	7000K		
			2900K	7500K		
			3000K	8000K		
		Manual Color	Red	<0-255>		Default RGBW=255
			Green	<0-255>		
			Blue	<0-255>		
			White	<0-255>		

4	Auto Show	Auto 1	<1-100>		Default : Auto 1;Speed:98
		Auto 2	<1-100>		
		Auto 3	<1-100>		
		Auto 4	<1-100>		
		Auto 5	<1-100>		
		Auto 6	<1-100>		

5	Master/Slave	Master			Default: Slave
		Slave			

6	Power Mode	STD Power	Max power120W		Default : STD Power
		ECO Power	Max power100W		

7	Dimmer Mode	Off			Default: Off
		Dimmer 1			
		Dimmer 2			
		Dimmer 3			

8	White Balance	Off			Default: Manual
		Manual	Red	<125-255>	Default : RGBW=255
			Green	<125-255>	
			Blue	<125-255>	
		White	<125-255>		

9	LED Frequency	1KHz			Default : 2000 Hz
		2KHz			
		3KHz			
		4KHz			
		6KHz			
		25KHz			

10	Ethernet Setting	Universe	0-65535		Default: 0
		IP Address	2.192.0.1		

11	Mapping Reverse	Off			Default: Off
		On			

DMX Chart

26CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0~100%	
2	Red 1	000-255	0~100%	
3	Green 1	000-255	0~100%	
4	Blue 1	000-255	0~100%	
5	White 1	000-255	0~100%	
6	Red 2	000-255	0~100%	
7	Green 2	000-255	0~100%	
8	Blue 2	000-255	0~100%	
9	White 2	000-255	0~100%	
....	...	...	...	
14	Red 4	000-255	0~100%	
15	Green 4	000-255	0~100%	
16	Blue 4	000-255	0~100%	
17	White 4	000-255	0~100%	
18	Red 5	000-255	0~100%	
19	Green 5	000-255	0~100%	
20	Blue 5	000-255	0~100%	
21	White 5	000-255	0~100%	
22	Strobe	000-001	No function	
		001-255	Strobe slow to fast	
23	Color Temperature	000~009	No Function	
		010~018	1800K	
		019~028	1900K	
		029~037	2000K	
		038~047	2100K	
		048~056	2200K	
		057~066	2300K	
		067~075	2400K	
		076~085	2500K	
		086~094	2600K	
		095~103	2700K	
		104~113	2800K	
		114~122	2900K	
		123~132	3000K	
		133~141	3200K	

DMX Chart

11	Color Temperature	227-236	7000K	
		237-245	7500K	
		246-255	8000K	
12	Auto programs	000-010	No Function	
		011-040	Auto Program 1	
		041-080	Auto Program 2	
		081-120	Auto Program 3	
		121-160	Auto Program 4	
		161-200	Auto Program 5	
		201-240	Auto Program 6	
		241-255	No Function	
13	Auto speed	000-255	Auto speed slow to fast	
14	Dimmer Speed Mode	000-051	Preset dimmer speed from display menu	
		052-101	Dimmer speed mode off	
		102-152	Dimmer speed mode1 (fast speed)	
		153-203	Dimmer speed mode2 (middle speed)	
		204-255	Dimmer speed mode3 (slow speed)	
20CH	Function	Value	Percent/Setting	Remark
1	Red 1	000-255	0~100%	
2	Green 1	000-255	0~100%	
3	Blue 1	000-255	0~100%	
4	White 1	000-255	0~100%	
5	Red 2	000-255	0~100%	
6	Green 2	000-255	0~100%	
7	Blue 2	000-255	0~100%	
8	White 2	000-255	0~100%	
....	...	...	...	
13	Red 4	000-255	0~100%	
14	Green 4	000-255	0~100%	
15	Blue 4	000-255	0~100%	
16	White 4	000-255	0~100%	
17	Red 5	000-255	0~100%	
18	Green 5	000-255	0~100%	
19	Blue 5	000-255	0~100%	
20	White 5	000-255	0~100%	

MENU

12	Flip Display	No			Default: No
		Yes			
13	Back Light	On			Default: 2min
		10S			
		20S			
		30S			
14	Key Lock	On			Default: On
		Off			
15	Information	Fixture Hours	<65000>		
		LED Hours	<65000>		
		Version	<Vx.xx>		
		UID	*****		
16	Temperature	40°C			
17	Reset Factory	No			
		Yes			

DMX Chart

EK-POWER PIXEL Q50 DMX chart				
4CH	Function	Value	Percent/Setting	Remark
1	Red	000-255	0~100%	
2	Green	000-255	0~100%	
3	Blue	000-255	0~100%	
4	White	000-255	0~100%	
6CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0~100%	
2	Red	000-255	0~100%	
3	Green	000-255	0~100%	
4	Blue	000-255	0~100%	
5	White	000-255	0~100%	
6	Strobe	000-010	NO Function	
		011-255	Strobe Slow to Fast	
8CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0~100%	
2	Dimmer Fine	000-255	0~100%	
3	Red	000-255	0~100%	
4	Green	000-255	0~100%	
5	Blue	000-255	0~100%	
6	White	000-255	0~100%	
7	Strobe	000-001	No function	
		001-255	Strobe slow to fast	
8	Color Temperature	000~009	No Function	
		010~018	1800K	
		019~028	1900K	
		029~037	2000K	
		038~047	2100K	
		048~056	2200K	
		057~066	2300K	
		067~075	2400K	
		076~085	2500K	

DMX Chart

14CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0~100%	
2	Red 1	000-255	0~100%	
3	Green 1	000-255	0~100%	
4	Blue 1	000-255	0~100%	
5	White 1	000-255	0~100%	
6	Red 2	000-255	0~100%	
7	Green 2	000-255	0~100%	
8	Blue 2	000-255	0~100%	
9	White 2	000-255	0~100%	
10	Strobe	000-001	No function	
		001-255	Strobe slow to fast	
11	Color Temperature	000~009	No Function	
		010~018	1800K	
		019~028	1900K	
		029~037	2000K	
		038~047	2100K	
		048~056	2200K	
		057~066	2300K	
		067~075	2400K	
		076~085	2500K	
		086~094	2600K	
		095~103	2700K	
		104~113	2800K	
		114-122	2900K	
		123-132	3000K	
		133-141	3200K	
		142-151	3500K	
		152-160	3700K	
		161-170	4000K	
		171-179	4300K	
		180-188	4700K	
		189-198	5000K	
		199-207	5600K	
		208-217	6000K	
		218-226	6500K	

DMX Chart

12	Color Temperature	086~094	2600K	
		095~103	2700K	
		104~113	2800K	
		114~122	2900K	
		123~132	3000K	
		133~141	3200K	
		142~151	3500K	
		152~160	3700K	
		161~170	4000K	
		171~179	4300K	
		180~188	4700K	
		189~198	5000K	
		199~207	5600K	
		208~217	6000K	
		218~226	6500K	
		227~236	7000K	
		237~245	7500K	
		246~255	8000K	
13	Dimmer Speed Mode	000-051	Preset dimmer speed from display menu	
		052-101	Dimmer speed mode off	
		102-152	Dimmer speed mode1 (fast speed)	
		153-203	Dimmer speed mode2 (middle speed)	
		204-255	Dimmer speed mode3 (slow speed)	
8_2CH	Function	Value	Percent/Setting	Remark
1	Red 1	000-255	0~100%	
2	Green 1	000-255	0~100%	
3	Blue 1	000-255	0~100%	
4	White 1	000-255	0~100%	
5	Red 2	000-255	0~100%	
6	Green 2	000-255	0~100%	
7	Blue 2	000-255	0~100%	
8	White 2	000-255	0~100%	

DMX Chart

8	Color Temperature	086~094	2600K	
		095~103	2700K	
		104~113	2800K	
		114~122	2900K	
		123~132	3000K	
		133~141	3200K	
		142~151	3500K	
		152~160	3700K	
		161~170	4000K	
		171~179	4300K	
		180~188	4700K	
		189~198	5000K	
		199~207	5600K	
		208~217	6000K	
		218~226	6500K	
		227~236	7000K	
		237~245	7500K	
		246~255	8000K	
10CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0~100%	
2	Red	000-255	0~100%	
3	Green	000-255	0~100%	
4	Blue	000-255	0~100%	
5	White	000-255	0~100%	
6	Strobe	000-001	No function	
		001-255	Strobe slow to fast	
7	Color Temperature	000~009	No Function	
		010~018	1800K	
		019~028	1900K	
		029~037	2000K	
		038~047	2100K	
		048~056	2200K	
		057~066	2300K	
		067~075	2400K	
		076~085	2500K	

DMX Chart

7	Color Temperature	086~094	2600K	
		095~103	2700K	
		104~113	2800K	
		114~122	2900K	
		123~132	3000K	
		133~141	3200K	
		142~151	3500K	
		152~160	3700K	
		161~170	4000K	
		171~179	4300K	
		180~188	4700K	
		189~198	5000K	
		199~207	5600K	
		208~217	6000K	
		218~226	6500K	
		227~236	7000K	
		237~245	7500K	
		246~255	8000K	
8	Auto programs	000-010	No Function	
		011-040	Auto Program 1	
		041-080	Auto Program 2	
		081-120	Auto Program 3	
		121-160	Auto Program 4	
		161-200	Auto Program 5	
		201-240	Auto Program 6	
		241-255	No Function	
9	Auto speed	000-255	Auto speed slow to fast	
10	Dimmer Speed Mode	000-051	Preset dimmer speed from display menu	
		052-101	Dimmer speed mode off	
		102-152	Dimmer speed mode1 (fast speed)	
		153-203	Dimmer speed mode2 (middle speed)	
		204-255	Dimmer speed mode3 (slow speed)	

DMX Chart

11CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0~100%	
2	Dimmer Fine	000-255	0~100%	
3	Red	000-255	0~100%	
4	Red Fine	000-255	0~100%	
5	Green	000-255	0~100%	
6	Green Fine	000-255	0~100%	
7	Blue	000-255	0~100%	
8	Blue Fine	000-255	0~100%	
9	White	000-255	0~100%	
10	White Fine	000-255	0~100%	
11	Strobe	000-010	No function	
		011-255	Strobe slow to fast	
13CH	Function	Value	Percent/Setting	Remark
1	Dimmer	000-255	0~100%	
2	Dimmer Fine	000-255	0~100%	
3	Red	000-255	0~100%	
4	Red Fine	000-255	0~100%	
5	Green	000-255	0~100%	
6	Green Fine	000-255	0~100%	
7	Blue	000-255	0~100%	
8	Blue Fine	000-255	0~100%	
9	White	000-255	0~100%	
10	White Fine	000-255	0~100%	
11	Strobe	000-001	No function	
		001-255	Strobe slow to fast	
12	Color Temperature	000~009	No Function	
		010~018	1800K	
		019~028	1900K	
		029~037	2000K	
		038~047	2100K	
		048~056	2200K	
		057~066	2300K	
		067~075	2400K	
		076~085	2500K	