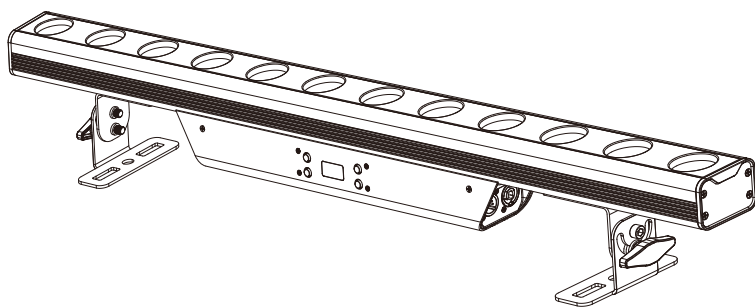




**LIGHTMEN**  
LIGHTMEN.COM



**litebarpro 12Q HD**  
A75012HD

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## -1- INTRODUCTION

The LITEBARPRO 12Q is a quad-color (4-in-one) RGBW one-meter LED batten that delivers vibrant linear color washes and an individually controllable 12 x 1 pixel matrix.

### FEATURES

- » Deep, saturated, perfectly-mixed colors for wall grazing and linear washes
- » Mounting brackets allow fixture to be flown or floor-mounted
- » Rugged diecast body and production-grade construction
- » Color and white presets available via onboard menu or DMX
- » Silent operation with advanced fan less thermal management
- » On board library of 13 dynamic preprogrammed light shows
- » Custom color mixing and adjustable white balance
- » Menu display backlight auto blackout
- » Four selectable dimming curves
- » Power linking
- » DMX control

### SPECIFICATIONS

Light Source:	14W RGBW LED (x12)
Beam Angle:	22°
Field Angle:	38°
Output (lux):	893 lux@ 5 meters
Color Output:	RGBW
Pixel Matrix:	12 x 1
Strobe:	0-30 Hz
Dimming:	4 dimming curve modes
Control:	DMX
DMX Channels:	4 / 6 / 10 / 48 / 53
Display:	OLED menu display
Mains:	100 - 240 VAC, 50/60 Hz
Consumption:	95W
Power connections:	Powercon In/Out
Power linking:	26 units @230V / 14 units@ 230V
Data connections:	5-pin XLR In/Out for DMX
Housing:	Diecast Aluminum
Finish:	Matte black
IP rating:	IP20
Cooling:	Convection
Dimensions:	994 x 127 x 138 mm
Weight:	5.4KG

1.1 MAINTENANCE

Maintenance and cleaning the unit

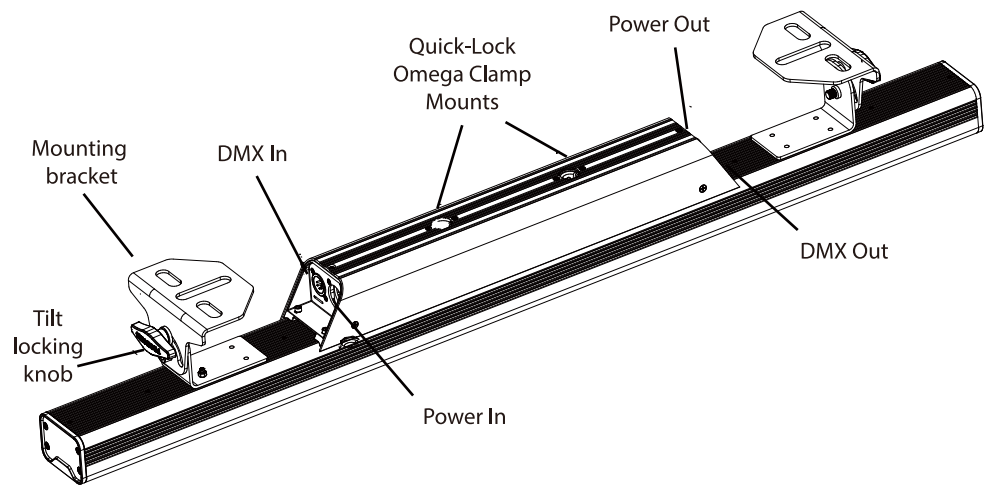
- » Make sure the area below the installation place is free from unwanted persons during setup.
- » Swich of the unit, unplug the main cable and wait until the unit has cooled down.
- » All screws used for installing the device and any of its parts should be tightly fastened and should not be corroded.
- » 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 part 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.

Troubleshooting

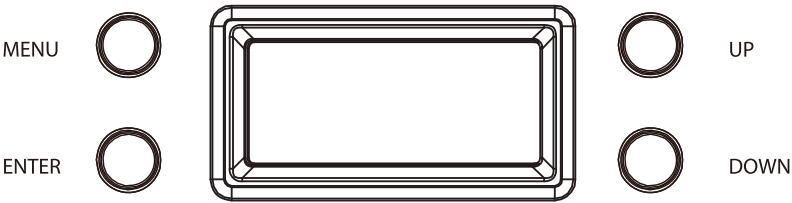
Problems	Possible causes	Checks and remedies
Fixture does not light up	<ul style="list-style-type: none"><li>• No mains supply</li><li>• Dimmer fader set to 0</li><li>• All color faders set to 0</li><li>• Faulty LED</li><li>• Faulty LED board</li></ul>	<ul style="list-style-type: none"><li>• Check the power supply voltage</li><li>• Increase the value of the dimmer channels</li><li>• Increase the value of the color channels</li><li>• Replace the LED board</li><li>• Replace the LED board</li></ul>
General low light intensity	<ul style="list-style-type: none"><li>• Dirty lens assembly</li><li>• Misaligned lens assembly</li></ul>	<ul style="list-style-type: none"><li>• Clean the fixture regularly</li><li>• Install lens assembly properly</li></ul>
Fixture does not power up	<ul style="list-style-type: none"><li>• No power</li><li>• Loose or damaged power cord</li><li>• Faulty internal power supply</li></ul>	<ul style="list-style-type: none"><li>• Check for power on power outlet</li><li>• Check power cord</li><li>• Replace internal power supply</li></ul>
Fixture does not respond to DMX	<ul style="list-style-type: none"><li>• Wrong DMX addressing</li><li>• Damaged DMX cables</li><li>• Bouncing signals</li></ul>	<ul style="list-style-type: none"><li>• Check control panel and unit addressing</li><li>• Check DMX cables</li><li>• Install terminator as suggested</li></ul>

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

1.2 OPERATING ELEMENTS AND CONNECTIONS

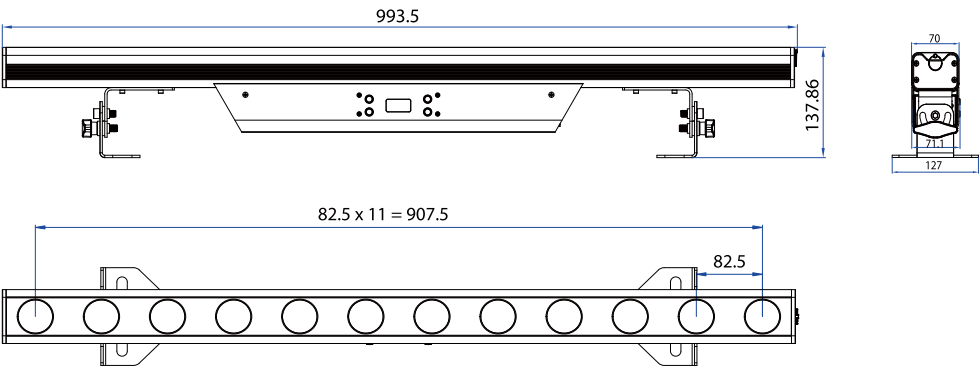


1.3 MENU BUTTON OVERVIEW

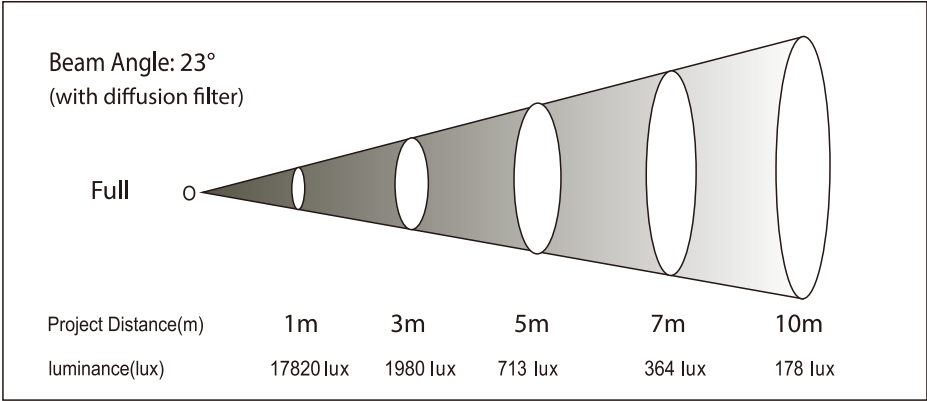
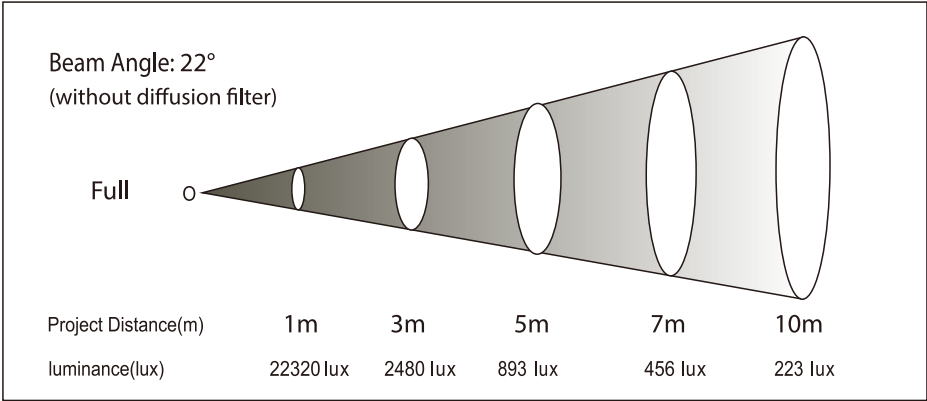


MENU	UP	DOWN	ENTER
Used to access the menu or to return a previous menu option	Navigates downwards through the menu list and increases the numeric value when in a function	Navigates upwards through the menu list and decreases the numeric value when in a function	Used to select and store the current menu or confirm the current function value or option within a menu

1.4 DIMENSIONS



1.5 PHOTOMETRICS



## -2- FUNCTIONS AND SETTINGS

### 2.1 MENU STRUCTURE

Menu(   -   )					
NO.	Main   Menu	Menu   level   2	Menu   level   3		Remark
1	DMX   Address	<001>			Default   :   001
2	DMX   Channel	4Ch			Default   :   10CH
		6Ch			
		10Ch			
		48Ch			
		53Ch			
3	Static	Fixed   Color	R		Default   :   RGBW
			G		
			B		
			W		
			GB		
			RB		
			RG		
			RGB		
			RW		
			GW		
			BW		
			RGW		
			RBW		
			GBW		
			RGBW		
		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   13;Speed:100
		Auto   2	<1 - 100>		
		Auto   3	<1 - 100>		
		Auto   4	<1 - 100>		
		Auto   5	<1 - 100>		
		Auto   6	<1 - 100>		
		Auto   7	<1 - 100>		
		Auto   8	<1 - 100>		
		Auto   9	<1 - 100>		
		Auto   10	<1 - 100>		
		Auto   11	<1 - 100>		
		Auto   12	<1 - 100>		
		Auto   13	<1 - 100>		
5	Dimmer   Mode	Off			Default   :   OFF
		Dimmer   1			
		Dimmer   2			
		Dimmer   3			
6	Master/Slave	Master			Default   :   Slave
		Slave			

7	White Balance	Off			Default : Off,
		Manual	Red	<125 - 255>	
			Green	<125 - 255>	
			Blue	<125 - 255>	
			White	<125 - 255>	
8	LED Frequency	4000Hz			Default : 1000Hz
		2000Hz			
		1000Hz			
		500Hz			
		250Hz			
9	Back Light	On			Default : On
		10S			
		20S			
		30S			
10	Information	Fixture Hours	<9999H>		
		Version	<V1.0>		
11	Reset Factory	No			Default : No
		Yes			

## 2.2 FUNCTIONS AND SETTINGS

### Auto Show

If no OMX control signal is present at the OMX INPUT, the unit independently runs through its auto show programs:

- Press the MENU button until the display shows Auto Show, then press the button ENTER.
- Press the button UP/OOWN to switch between the show (Auto 1 - 13). The unit will operate in show mode.
- Use the UP/OOWN buttons to select the desired run speed slow-fast ( 1-100 ).
- Press the ENTER button to save the setting.

**IMPORTANT:** Programs Auto 1 -13 are fully pre-programmed and will not be altered by changes. Instead, Manual Color mode allows to combine the colors Red -Green -Blue -White.

- Press the button MENU so many times until the display shows Static, then press the button ENTER. Through the button UP/DOWN select Manual Color, then press the button ENTER.
- Select the color Red -Green -Blue -White through the buttons UP/DOWN.
- Press the button ENTER to confirm.
- Set the value (000 - 255), through the buttons UP/DOWN.
- Press the MENU button to go back or to meet the waiting time to exit the setup menu.

### Static

This fixture has the ability to accept custom static color settings. Access these chases via the control panel on the back of the fixture.

- To enable the static mode, press MENU repeatedly until Static shows on the display.
- Press the button ENTER.
- Through the button UP/DOWN select Fixed Color , then press the button ENTER.
- Select the desired preset color (R-G-B-W-GB-RB-RG-GB-RW-GW-BW-RGW-RBW-GBW-RGBW) using the button UP/DOWN.
- Press the button ENTER to save the setting.
- Press the MENU button to go back. Or, after a few seconds, the menu returns to the main screen.



## Master/Slave

This mode will allow you to link up the units together without a controller. Choose a unit to function as the Master. The unit must be the first unit in line; other units will work as slave with the same effect.

- Press the button MENU so many times until the display shows Master/Slave and press the button ENTER.
- Press UP/DOWN to set the unit as master or slave (Master/Slave).
- Select the desired program (see section 3.4).
- Use standard DMX cables to daisy chain your units together via the DMX connector on the rear of the unit. For longer cable runs, using a DMX terminator as described in this manual is recommended.

## FIXTURE SETTINGS

It is possible to change the parameter values in the following ways:

### Dimmer

- Enter in Dimmer mode to select specific dimming curve, press the button MENU so many times until shows Dimmer Mode, and press the button ENTER to confirm.
- Press the button UP /DOWN to select Off-Dimme 『1 - Dimmer 2 -Dimme 』3.
- Press ENTER button to store, then press MENU to return to main menu

### Backlite

- To activate Backlight display press the button MENU so many times until shows Back Light, and press the button ENTER to confirm.
- Press the button UP/DOWN to select On -10S-20S-30S.
- Press ENTER button to confirm the selection, then press MENU to return to main menu

## FIXTURE INFORMATION

### Fixture Hours

Show the fixture working hours.

- Press the button MENU so many times until shows Information . Press the button ENTER to confirm
- Using the button UP/DOWN to select Fixture Hours, then press the button ENTER to confirm
- Then the display will show the working hours. Press MENU to return to main menu

### Version

Show the fixture firmware version.

- Press the button MENU so many times until shows Information
- Select through the button UP/DOWN the Version menu voice.
- The display will show the firmware data. Press MENU to return to main menu

## White Balance

Enter the White balance to adjust the Red, Green, Blue and White levels to achieve different whites.

- Press the button MENU so many times until shows White Balance, and press the button ENTER to confirm.
- Select the color R,G, B, W using the UP/DOWN buttons, then press ENTER.
- Using UP/DOWN button, select the desired color value 125 -255.
- Press ENTER button to continue to the next color R, G, B, W.
- Continue until the desired mix is obtained.
- Press the MENU button to go back or wait a few seconds to exit the setup menu.

## LED FREQUENCY

- To adjust the frequency of the LEDs, press the MENU button repeatedly until the display shows LED Frequency, and then press the ENTER button.
- Select the frequency (250Hz - 500Hz - 1000Hz - 2000Hz - 4000Hz - 25kHz) using the UP/DOWN buttons.
- To confirm, press the ENTER key.
- Press the MENU button to go back or wait a few seconds to exit the setup menu.

## 2.3 DMX CONTROL

4CH	Function	Value	Percent/Setting
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
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

10CH	Function	Value	Percent/Setting
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
7	Color Macro	000~010	No Function
		011~030	R 100%, G 0~100%, B 0%
		031~050	R 100%~0%, G 100%, B 0%
		051~070	R 0%, G 100%, B 0~100%
		071~090	R 0% G 100%~0% B 100%
		091~110	R 0%~100% G 0% B 100%
		111~130	R 100% G 0% B 100%~0%
		131~150	R 100% G 0%~100% B 0%~100%
		151~170	R 100%~0% G 100%~0% B 100%
		171~200	R 100% G 100% B 100% W100%
		201~205	Color1
		206~210	Color2
		211-215	Color3

10CH	Function	Value	Percent/Setting
7	Color Macro	216-220	Color4
		221-225	Color5
		226-230	Color6
		231-235	Color7
		236-240	Color8
		241-245	Color9
		246-250	Color10
		251-255	Color11
8	Auto programs	000-010	No Function
		011-030	Auto Program1
		031-050	Auto Program 2
		051-070	Auto Program 3
		071-090	Auto Program 4
		091-110	Auto Program 5
		111-130	Auto Program 6
		131-150	Auto Program 7
		151-170	Auto Program 8
		171-190	Auto Program 9
		191-210	Auto Program 10
		211-230	Auto Program 11
		231-250	Auto Program 12
		251-255	Auto Program 13
9	Auto Speed	000-255	Auto Speed Slow to Fast
10	Dimmer 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)

48CH	Function	Value	Percent/Setting
1	Red1	000-255	0~100%
2	Green1	000-255	0~100%
3	Blue1	000-255	0~100%
4	White1	000-255	0~100%
.....			
45	Red 12	000-255	0~100%
46	Green 12	000-255	0~100%
47	Blue 12	000-255	0~100%
48	White12	000-255	0~100%

53CH	Function	Value	Percent/Setting	
1	Red1	000-255	0~100%	
2	Green1	000-255	0~100%	
3	Blue1	000-255	0~100%	
4	White1	000-255	0~100%	
.....				
45	Red 12	000-255	0~100%	
46	Green 12	000-255	0~100%	
47	Blue 12	000-255	0~100%	
48	White12	000-255	0~100%	
49	Auto programs	000-010	No Function	
		011-030	Auto Program1	
		031-050	Auto Program 2	
		051-070	Auto Program 3	
		071-090	Auto Program 4	
		091-110	Auto Program 5	
		111-130	Auto Program 6	
		131-150	Auto Program 7	
		151-170	Auto Program 8	
		171-190	Auto Program 9	
		191-210	Auto Program 10	
		211-230	Auto Program 11	
		231-250	Auto Program 12	
		251-255	Auto Program 13	
50	Auto Speed	000-255	Auto Speed Slow to Fast	
51	Dimmer	000-255	0~100%	
52	Strobe	000-010	No Function	
		011-255	Strobe Slow to Fast	
53	Dimmer Mode	Speed	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)

## 2.4 DMX CONNECTION

### LINKING

- Several units may be interconnected in order to control all further slave units to the same effect of the master unit.
1. Connect the DMX OUT of the master unit via 5-pin XLR cable to the DMX IN of the first slave unit.
  2. Connect the DMX OUT of the first slave unit to the DMX IN of the second slave unit, etc. until all units are connected in a chain.

### DMX CONFIGURATION

LITEBARPRO 12Q offers five different DMX modes:

- Press the MENU button until [DMXCHANNEL] is displayed, then press the ENTER button to confirm.
- Select the desired DMX configuration (4CH -6CH -10CH -48CH -53CH) using the UP/DOWN buttons.

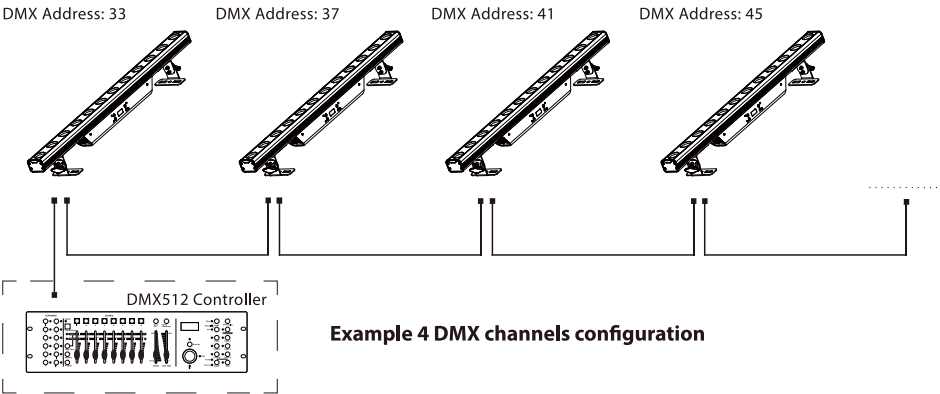
### DMX ADDRESSING

- Press the MENU button until [DMXADDRESS] is displayed, then press ENTER to confirm.
- Press UP/DOWN button to select the desired value (001-512). Press and hold to scroll quickly.
- Press ENTER button to store.
- Press the MENU button to go back or to meet the waiting time to exit the setup menu.

To operate the LITEBARPRO 12Q with a light controller, adjust the DMX start address for the first a DMX channel. If e.g. address 33 on the controller is provided for controlling the function of the first DMX channel, adjust the start address 33 on the LITEBARPRO 12Q and follow a similar method as shown.

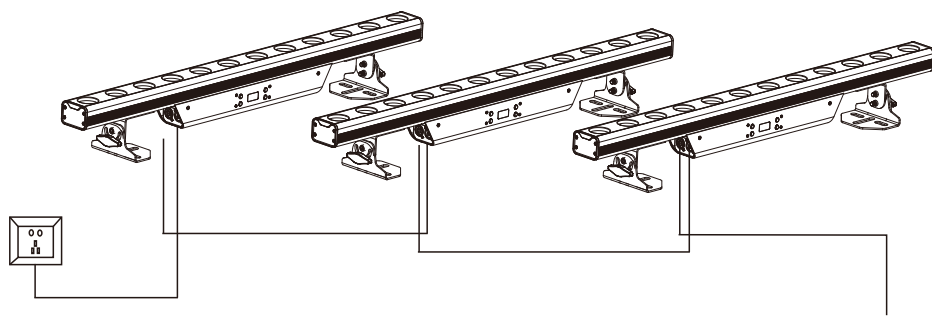
An example with the start address 33 is shown below:

Number of DMX channels	Start address (example)	DMX Address occupied	Next possible start address for unit No. 1	Next possible start address for unit No. 2	Next possible start address for unit No. 3
4	33	33-36	37	41	45



Example 4 DMX channels configuration

## 2.5 POWER CONNECTION



Power IN

Using Power Con In / Out

Power cable connected in series

Attention: due to the power rating

one 1.5mm<sup>2</sup> power cable can connect 10 units maximum



Power OUT



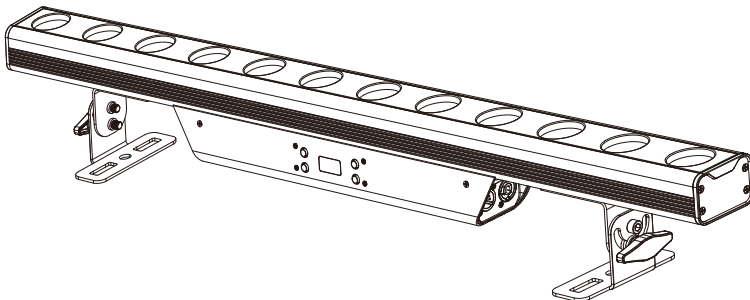
**WARNING**

Do not connect more than 10 units in series with one power cable

Do not use damage power cable

Power off the fixture when not in use

NOTES:



## Contact Information

**Address:** Stureparksvägen 7  
45155 Uddevalla  
Sweden

**Phone:** 0522 440 880  
**Email:** [sales@interlite.se](mailto:sales@interlite.se)  
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