



BRIGHTER LIGHTING SP. Z.O.O.
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USER MANUAL

BRIGHTER X-BAR IP



USER MANUAL

This product manual contains important information about the safe installation and use of this projector. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

Please read the instructions carefully before use!



1. SAFETY PRECAUTIONS

This fixture is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. Manufacturer is not responsible for injuries and damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified or certified personnel should perform installation of this fixture and only the original rigging parts included with this fixture should be used for installation. Any modifications to the fixture and the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage personal injury.

- **PROTECTION CLASS 1 - FIXTURE MUST BE PROPERLY GROUNDED**
- **THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT.DO NOT ATTEMPT ANY REPAIRS YOURSELF,AS DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS**
- **DO NOT PLUG FIXTURE INTO A DIMMER PACK**
- **NEVER OPEN THIS FIXTURE WHILE IN USE!**
- **UNPLUG POWER BEFORE SERVICING FIXTURE**
- **NEVER TOUCH FIXTURE DURING OPERATION, AS IT MAY BE HOT! KEEP FLAMMABLE MATERIALS AWAY FROM FIXTURE**
- **NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE**
- **RETINA INJURY RISK - MAY INDUCE BLINDNESS**
- **SENSITIVE PERSONS MAY SUFFER AN EPILEPTIC SHOCK**
- **ENSURE THAT ALL CONNECTIONS AND END CAPS ARE PROPERLY SEALED WITH A DIELECTRIC GREASE (AVAILABLE AT MOST ELECTRICAL SUPPLIERS) TO PREVENT WATER CORROSION AND/OR ELECTRICAL SHORT CIRCUIT**
- **KEEP APPROPRIATE DISTANCE FROM OBJECTS/SURFACES 1 METER (3.3 FEET)**
- **MAXIMUM TEMP OF EXTERNAL SURFACE 185° F (85°C)**
- **MINIMUM DISTANCE OF FLAMMABLE MATERIALS FROM THE SURFACE IS 1.6 FEET (0.5 METER)**
- **DO NOT TOUCH THE FIXTURE HOUSING DURNING OPERATION. TURN OFF THE POWER AND ALLOW APPROXIMATELY 15 MINUTES FOR THE FIXTURE TO COOL DOWN BEFORE SERVICING**
- **DO NOT SHAKE FIXTURE , AND AVOID BRUTE FORCE WHEN INSTALLING OPERATING**
- **DO NOT operate fixture if the power cord is frayed, crimped, damaged or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease**
- **NEVER force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of the same power rating**
- **DO NOT block any air ventilation slots**
- **All fan and air inlets must remain clean and never blocked**
- **Allow approx. 6" (15cm) between fixture and other devices or a wall for proper cooling**
- **Always disconnect fixture from main power source before performing any type of service or cleaning procedure**
- **Only handle the power cord by the plug end. Never pull out the plug by tugging the wire portion of the cord**



- **During the initial operation of this fixture, a light smoke or smell may emit from the interior of the fixture. This is a normal process and is caused by excess paint in the interior of the casing burning off from the heat associated with the lamp and will decrease gradually over time.**
- **Consistent operational breaks will ensure fixture will function properly for many years.**
- **ONLY use the original packaging and materials to transport the fixture in for service.**

2. MAINTENANCE GUIDELINES

DISCONNECT POWER BEFORE PERFORMING ANY MAINTENANCE!

2.1. CLEANING

Frequent cleaning is recommended to ensure proper function, optimized light output, and an extended life. The frequency of cleaning depends on the environment in which the fixture operates: damp, smoky or particularly dirty environments can cause greater accumulation of dirt on the fixture's optics. Periodically clean the external lens surface with a soft cloth to avoid dirt/debris accumulation. NEVER use alcohol, solvents, or ammonia-based cleaners .

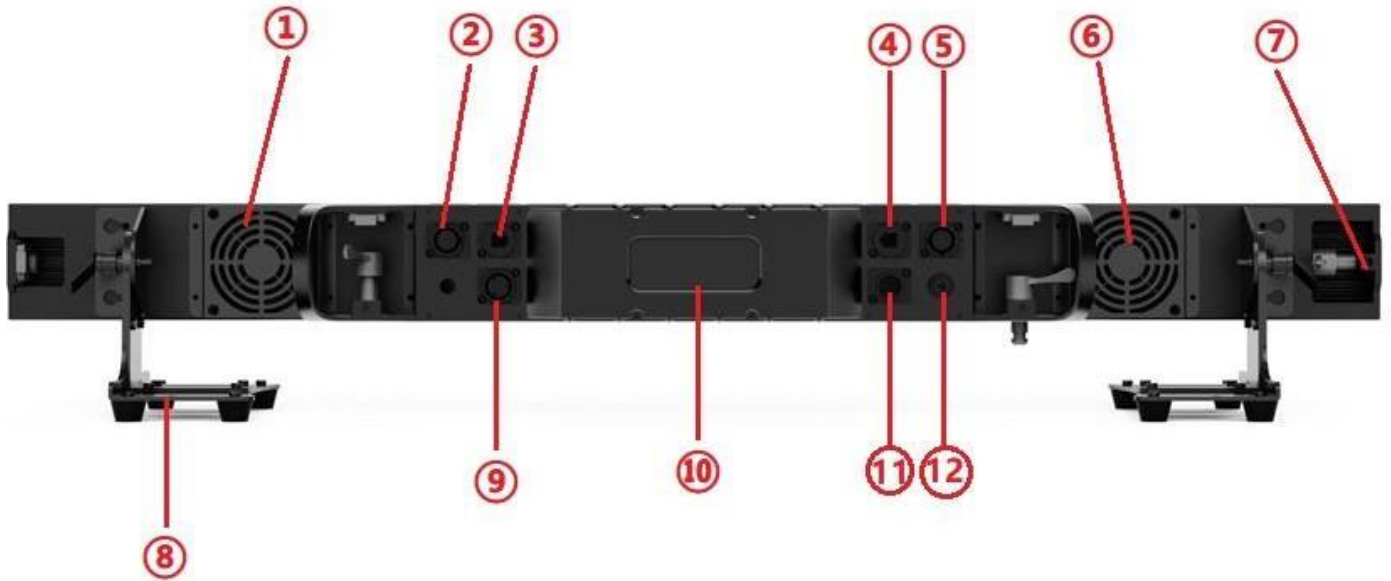
2.2. MAINTENANCE

Regular inspections are recommended to ensure proper function and extended life. There are no user serviceable parts inside this fixture. Please refer all other service issues to an authorized our service technician. Should you need any spare parts, please order genuine parts from your local dealer.

Please refer to the following points during routine inspections:

- A detailed electric check by an approved electrical engineer every three months, to make sure the circuit contacts are in good condition and prevent overheating
- Be sure all screws and fasteners are securely tightened at all times. Loose screws may fall out during normal operation, resulting in damage or injury as larger parts could fall
- Check for any deformations on the housing, color lenses, rigging hardware, and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow for dust to enter into the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person(s)
- Electric power supply cables must not show any damage, material fatigue or sediments. NEVER remove the ground prong from the power cable

3.OVERVIEW



1. FAN
2. POWER OUTPUT
3. RJ45 OUT
4. RJ45 IN
5. POWER INPUT
6. FAN
7. LOCKING SYSTEM
8. BRACKET
9. DMX OUT
10. SYSTEM MENU LCD DISPLAY
11. DMX IN
12. FUSE



4.SYSTEM MENU

Main Menu	Sub Menu	Option/Value	Option/Value
Address	001		
	...		
	512		
Channel Mode	4CH		
	10CH		
	20CH		
	33CH		
	37CH		
	77CH		
	Setting	Control Mode	DMX
ArtNet			
sACN			
Kling-Net			
DMX+ArtNet			
DMX+sACN			
DMX+KlingNet			
Dimmer Mode		Mode 1	
		Mode 2	
		Mode 3	
		Mode 4	
Dimmer Speed		Smooth / Fast	
Led Frequency		800HZ 1200HZ 2000HZ 4000HZ	6000HZ 8000HZ 16000HZ 24000HZ
Fan Mode		AUTO	
		Silent	
		FULL	
Screen Reverse	NO/YES		
LED Remap	NO/YES		
Lock Touch	NO/YES		
Factory Set	Confirm/Cancel		
Ethernet to DMX	NO/YES		
Network	Ethernet	IP Mode:CUSTOM	
		IP&Subnet Mask:	002.000.000.001 255.000.000.000
	Universe	Net	0-127
		Sub_Uni	0-255
Manual	Normal		
	Static	Fixed Color	R
			G
			B
			L
			GB
			RB
			RG
			RGB
			RL
BL			



			GL
			RGL
			RBL
			GBL
			RGBL
		Manual Color	R
			G
			B
			L

5.DMX CHART

4CH Mode

CH	Value	Percent	Function
1CH	0-255	0%-100%	Red
2CH	0-255	0%-100%	Green
3CH	0-255	0%-100%	Blue
4CH	0-255	0%-100%	Lime

10CH Mode

CH	Value	Percent	Function
1CH	0-255	0%-100%	Master Dimmer
2CH	0-255	0%-100%	Fine Dimmer
3CH	0-255	0%-100%	Strobe Function
	0-10	Closed	Closed
	11-127	Strobe F>S	Synchronous strobe(fast to slow)
	128	Open	Open
	129-191	Rnd Strobe S>F	Random strobe(slow to fast)
	192	Open	Open
	193-222	Pulse Open F>S	Fast to slow
	223-254	Pulse Close S>F	Slow to fast
	255	Open	Open
4CH	0-255	0%-100%	Red
5CH	0-255	0%-100%	Green

6CH	0-255	0%-100%	Blue
7CH	0-255	0%-100%	Lime
8CH	0-255	0%-100%	Color Temperature preset
	0-15	0%-5.8%	No Function
	16-30	6.2%-11.7%	8000K (R255,G200,B155,L255)
	36-45	13.7%-20.0%	7500K(R255,G174,B140,L255)
	46-60	14.1%-23.5%	6500K(R255,G152,B124,L255)
	61-75	23.9%-29.4%	6000K(R255,G136,B105,L255)
	76-90	29.8%-35.2%	5600K (R255,G157,B158,L255)
	91-105	35.6%-41.1%	5000K(R255,G124,B90,L255)
	106-120	41.5%-47.0%	4500K(R255,G64,B63,L255)
	121-135	47.4%-52.9%	4000K(R255,G32,B48,L255)
	136-150	53.3%-58.8%	3500K(R255,G6,B33,L255)
	151-165	59.2%-64.7%	3200K(R255,G0,B24,L255)
	166-180	65.0%-70.5%	3000K(R255,G0,B20,L162)
	181-195	70.9%-76.4%	2700K(R255,,G0,B13,L113)
	196-210	76.8%-82.3%	2500K(R255,G0,B10,L95)
	211-225	82.7%-88.2%	2300K(R255,G0,B7,L87)
226-240	88.6%-94.1%	2000K(R255,G0,B3,L68)	
241-255	94.5%-100.0%	1700K(R255,G0,B0,L45)	
9CH	0-255	Color tint	0 – no change 1-64 magenta shift from low to max, 65-127 magenta shift from max to smallest, 128 no shift, 129 -192 green shift from low to max, 193 – 254 green shift from max to smallest, 255 no shift.
10CH	0-255	0%-100%	Color Marcos
	0-45	/	No Function
	46-50	Cyan	R=000,G=255,B=255,L=000
	51-55	Yellow	R=255,G=255,B=000,L=000
	56-60	Magenta	R=255,G=000,B=255,L=000
	61-65	Medium Yellow	R= 156,G= 126,B=000,L=000
	66-70	Straw Tint	R= 152,G= 115,B=009,L=000
	71-75	Surprise Peach	R= 198,G= 114,B=009,L=000
	76-80	Fire	R=255,G=056,B=000,L=000
	81-85	Medium Amber	R=255,G= 135,B=000,L=000
	86-90	Gold Amber	R=255,G= 100,B=000,L=000

91-95	Dark Amber	R=255,G=065,B=000,L=000
96-100	Sunrise Red	R=255,G=083,B=002,L=000
101-105	Light Pink	R=255,G= 112,B=000,L= 141
106-110	Medium Pink	R=255,G=087,B=000,L= 107
111-115	Pink Carnation	R=255,G= 107,B=000,L= 130
116-120	Light Lavender	R=243,G= 117,B=039,L= 197
121-125	Sky Blue	R=000,G=255,B= 135,L=000
126-130	Just Blue	R=000,G= 194,B= 130,L=000
131-135	Dark yellow green	R=041,G=219,B=000,L=000
136-140	Spring Yellow	R=245,G=202,B=000,L=000
141-145	Light Amber	R=237,G= 163,B=000,L=000
146-150	Straw Tint	R=230,G= 160,B=000,L=069
151-155	Deep Amber	R=255,G= 166,B=000,L=000
156-160	Orange	R=255,G= 122,B=000,L=000
161-165	Light Rose	R=255,G= 141,B=031,L=000
166-170	Middle Rose	R=217,G= 130,B=028,L=000
171-175	Dark Pink	R=255,G= 109,B=033,L=000
176-180	Magenta	R=255,G=020,B=015,L=000
181-185	Peacock Blue	R=051,G=255,B=051,L=000
186-190	Steel Blue	R=206,G=255,B=056,L=000
191-195	Light Blue	R=074,G=255,B=082,L=000
196-200	Dark Blue	R=000,G= 186,B=255,L=000
201-205	Leaf Green	R=206,G=255,B=000,L=000
206-210	Dark Green	R=084,G=255,B=013,L=000
211-215	Mauve	R=227,G=041,B=056,L=000
216-220	Deep Golden Amber	R=255,G=058,B=000,L=000
221-225	Pale Lavender	R=255,G= 197,B=061,L=000
226-230	Primary Green	R=077,G=255,B=000,L=000
231-235	Bright Blue	R=000,G=255,B=087,L=000
235-240	Apricot	R=255,G= 143,B=013,L=000
241-245	Pale Gold	R=253,G= 171,B=026,L=000
246-250	Deep Orange	R=222,G=084,B=000,L=000
251-255	Flame Red	R=255,G=046,B=002,L=000

20CH Mode

CH	Value	Percent	Function
1CH	0-255	0%-100%	Background Dimmer
2CH	0-255	0%-100%	Background Dimmer Fine
3CH	0-255	0%-100%	Strobe Function of Background
	0-10	Closed	Closed
	11-127	Strobe F>S	Synchronous strobe(fast to slow)
	128	Open	Open
	129-191	Rnd Strobe S>F	Random strobe(slow to fast)
	192	Open	Open
	193-222	Pulse Open F>S	Fast to slow
	223-254	Pulse Close S>F	Slow to fast
255	Open	Open	
4CH	0-255	0%-100%	Background Red
5CH	0-255	0%-100%	Background Green
6CH	0-255	0%-100%	Background Blue
7CH	0-255	0%-100%	Background Lime
8CH	0-255	0%-100%	Foreground Dimmer
9CH	0-255	0%-100%	Foreground Dimmer Fine
10CH	0-255	0%-100%	Strobe Function of Foreground
	0-10	Closed	Closed
	11-127	Strobe F>S	Synchronous strobe(fast to slow)
	128	Open	Open
	129-191	Rnd Strobe S>F	Random strobe(slow to fast)
	192	Open	Open
	193-222	Pulse Open F>S	Fast to slow
	223-254	Pulse Close S>F	Slow to fast
255	Open	Open	
11CH	0-255	0%-100%	Foreground Red
12CH	0-255	0%-100%	Foreground Green
13CH	0-255	0%-100%	Foreground Blue
14CH	0-255	0%-100%	Foreground Lime

15CH	0-255	0%-100%	Program Effects
	0-5	0%-1.9%	No Function
	6-20	2.3%-7.8%	Program 1
	21-35	8.2%-13.7%	Program 2
	36-50	14.1%-19.6%	Program 3
	51-65	20.0%-25.4%	Program 4
	66-80	25.8%-31.3%	Program 5
	81-95	31.7%-37.2%	Program 6
	96-110	37.6%-43.1%	Program 7
	111-125	43.5%-49.0%	Program 8
	126-140	49.4%-54.9%	Program 9
	141-155	55.2%-60.7%	Program 10
	156-170	61.1%-66.6%	Program 11
	171-185	67.0%-72.5%	Program 12
	186-200	72.9%-78.4%	Program 13
	201-215	78.8%-84.3%	Program 14
	216-230	84.7%-90.1%	Program 15
231-245	90.5%-96.0%	Program 16	
246-255	96.4%-100%	Auto Run Program	
16CH	0-255	0%-100%	Program Speed
	0-128	Index	
	129-191	CW F>S	
	192-255	CCW S>F	
	0-255	0%-100%	CTO Preset
	0-15	0%-5.8%	No Function
	16-30	6.2%-11.7%	8000K (R255,G200,B155,L255)
	36-45	13.7%-20.0%	7500K(R255,G174,B140,L255)
	46-60	14.1%-23.5%	6500K(R255,G152,B124,L255)
	61-75	23.9%-29.4%	6000K(R255,G136,B105,L255)
	76-90	29.8%-35.2%	5600K (R255,G157,B158,L255)
	91-105	35.6%-41.1%	5000K(R255,G124,B90,L255)
	106-120	41.5%-47.0%	4500K(R255,G64,B63,L255)
	121-135	47.4%-52.9%	4000K(R255,G32,B48,L255)
	136-150	53.3%-58.8%	3500K(R255,G6,B33,L255)

17CH	151-165	59.2%-64.7%	3200K(R255,G0,B24,L255)
	166-180	65.0%-70.5%	3000K(R255,G0,B20,L162)
	181-195	70.9%-76.4%	2700K(R255,,G0,B13,L113)
	196-210	76.8%-82.3%	2500K(R255,G0,B10,L95)
	211-225	82.7%-88.2%	2300K(R255,G0,B7,L87)
	226-240	88.6%-94.1%	2000K(R255,G0,B3,L68)
	241-255	94.5%-100.0%	1700K(R255,G0,B0,L45)
18CH	0-255	Color tint	0 – no change 1-64 magenta shift from low to max, 65-127 magenta shift from max to smallest, 128 no shift, 129 -192 green shift from low to max, 193 – 254 green shift from max to smallest, 255 no shift.
19CH	0-255	0%-100%	Color Marcos
	0-45	Macro Off	No Function
	46-50	Cyan	R=000,G=255,B=255,L=000
	51-55	Yellow	R=255,G=255,B=000,L=000
	56-60	Magenta	R=255,G=000,B=255,L=000
	61-65	Medium Yellow	R= 156,G= 126,B=000,L=000
	66-70	Straw Tint	R= 152,G= 115,B=009,L=000
	71-75	Surprise Peach	R= 198,G= 114,B=009,L=000
	76-80	Fire	R=255,G=056,B=000,L=000
	81-85	Medium Amber	R=255,G= 135,B=000,L=000
	86-90	Gold Amber	R=255,G= 100,B=000,L=000
	91-95	Dark Amber	R=255,G=065,B=000,L=000
	96-100	Sunrise Red	R=255,G=083,B=002,L=000
	101-105	Light Pink	R=255,G= 112,B=000,L= 141
	106-110	Medium Pink	R=255,G=087,B=000,L= 107
	111-115	Pink Carnation	R=255,G= 107,B=000,L= 130
	116-120	Light Lavender	R=243,G= 117,B=039,L= 197
	121-125	Sky Blue	R=000,G=255,B= 135,L=000
	126-130	Just Blue	R=000,G= 194,B= 130,L=000
	131-135	Dark yellow green	R=041,G=219,B=000,L=000
	136-140	Spring Yellow	R=245,G=202,B=000,L=000
141-145	Light Amber	R=237,G= 163,B=000,L=000	

	146-150	Straw Tint	R=230,G= 160,B=000,L=069
	151-155	Deep Amber	R=255,G= 166,B=000,L=000
	156-160	Orange	R=255,G= 122,B=000,L=000
	161-165	Light Rose	R=255,G= 141,B=031,L=000
	166-170	Middle Rose	R=217,G= 130,B=028,L=000
	171-175	Dark Pink	R=255,G= 109,B=033,L=000
	176-180	Magenta	R=255,G=020,B=015,L=000
	181-185	Peacock Blue	R=051,G=255,B=051,L=000
	186-190	Steel Blue	R=206,G=255,B=056,L=000
	191-195	Light Blue	R=074,G=255,B=082,L=000
	196-200	Dark Blue	R=000,G= 186,B=255,L=000
	201-205	Leaf Green	R=206,G=255,B=000,L=000
	206-210	Dark Green	R=084,G=255,B=013,L=000
	211-215	Mauve	R=227,G=041,B=056,L=000
	216-220	Deep Golden Amber	R=255,G=058,B=000,L=000
	221-225	Pale Lavender	R=255,G= 197,B=061,L=000
	226-230	Primary Green	R=077,G=255,B=000,L=000
	231-235	Bright Blue	R=000,G=255,B=087,L=000
	235-240	Apricot	R=255,G= 143,B=013,L=000
	241-245	Pale Gold	R=253,G= 171,B=026,L=000
	246-250	Deep Orange	R=222,G=084,B=000,L=000
	251-255	Flame Red	R=255,G=046,B=002,L=000
20CH	0-255	0%-100%	Dimmer Mode
	0-105	0%-41.1%	Dimmer Mode1
	106-150	41.5%-58.8%	Dimmer Mode2
	151-200	59.2%-78.4%	Dimmer Mode3
	201-255	78.8%-100%	Dimmer Mode4

33CH Mode

CH	Value	Percent	Function
1CH	0-255	0%-100%	Background Dimmer
2CH	0-255	0%-100%	Strobe Function of Background
	0-10	Closed	Closed
	11-127	Strobe F>S	Synchronous strobe(fast to slow)
	128	Open	Open
	129-191	Rnd Strobe S>F	Random strobe(slow to fast)
	192	Open	Open
	193-222	Pulse Open F>S	Fast to slow
	223-254	Pulse Close S>F	Slow to fast
	255	Open	Open
	3CH	0-255	0%-100%
4CH	0-255	0%-100%	Background Green
5CH	0-255	0%-100%	Background Blue
6CH	0-255	0%-100%	Background Lime
7CH	0-255	0%-100%	Foreground Dimmer
8CH	0-255	0%-100%	Strobe Function of Foreground
	0-10	Closed	Closed
	11-127	Strobe F>S	Synchronous strobe(fast to slow)
	128	Open	Open
	129-191	Rnd Strobe S>F	Random strobe(slow to fast)
	192	Open	Open
	193-222	Pulse Open F>S	Fast to slow
	223-254	Pulse Close S>F	Slow to fast
	255	Open	Open
	9CH	0-255	0%-100%
10CH	0-255	0%-100%	Foreground Green
11CH	0-255	0%-100%	Foreground Blue
12CH	0-255	0%-100%	Foreground Lime
13CH	0-255	0%-100%	Program Effects
	0-5	0%-1.9%	No Function

	6-20	2.3%-7.8%	Program 1
	21-35	8.2%-13.7%	Program 2
	36-50	14.1%-19.6%	Program 3
	51-65	20.0%-25.4%	Program 4
	66-80	25.8%-31.3%	Program 5
	81-95	31.7%-37.2%	Program 6
	96-110	37.6%-43.1%	Program 7
	111-125	43.5%-49.0%	Program 8
	126-140	49.4%-54.9%	Program 9
	141-155	55.2%-60.7%	Program 10
	156-170	61.1%-66.6%	Program 11
	171-185	67.0%-72.5%	Program 12
	186-200	72.9%-78.4%	Program 13
	201-215	78.8%-84.3%	Program 14
	216-230	84.7%-90.1%	Program 15
	231-245	90.5%-96.0%	Program 16
	246-255	96.4%-100%	Auto Run Program
14CH	0-255	0%-100%	Program Speed
	0-128	Index	
	129-191	CW F>S	
	192-255	CCW S>F	
15CH	0-255	0%-100%	LED 1 Dimmer
...
32CH	0-255	0%-100%	LED 18 Dimmer
33ch	0-255	Mirror	Flips pixel order (0-Off, 1-255-On)

37CH Mode

CH	Value	Percent	Function
1CH	0-255	0%-100%	Background Dimmer
	0-255	0%-100%	Strobe Function of Background
	0-10	Closed	Closed
	11-127	Strobe F>S	- 14 - Synchronous strobe(fast to slow)
	128	Open	Open

2CH	129-191	Rnd Strobe S>F	Random strobe(slow to fast)
	192	Open	Open
	193-222	Pulse Open F>S	Fast to slow
	223-254	Pulse Close S>F	Slow to fast
	255	Open	Open
3CH	0-255	0%-100%	Background Red
4CH	0-255	0%-100%	Background Green
5CH	0-255	0%-100%	Background Blue
6CH	0-255	0%-100%	Background Lime
7CH	0-255	0%-100%	Foreground Dimmer
8CH	0-255	0%-100%	Strobe Function of Foreground
	0-10	Closed	Closed
	11-127	Strobe F>S	Synchronous strobe(fast to slow)
	128	Open	Open
	129-191	Rnd Strobe S>F	Random strobe(slow to fast)
	192	Open	Open
	193-222	Pulse Open F>S	Fast to slow
	223-254	Pulse Close S>F	Slow to fast
	255	Open	Open
9CH	0-255	0%-100%	Foreground Red
10CH	0-255	0%-100%	Foreground Green
11CH	0-255	0%-100%	Foreground Blue
12CH	0-255	0%-100%	Foreground Lime
13CH	0-255	0%-100%	CTO Preset
	0-15	0%-5.8%	No Function
	16-30	6.2%-11.7%	8000K (R255,G200,B155,L255)
	36-45	13.7%-20.0%	7500K(R255,G174,B140,L255)
	46-60	14.1%-23.5%	6500K(R255,G152,B124,L255)
	61-75	23.9%-29.4%	6000K(R255,G136,B105,L255)
	76-90	29.8%-35.2%	5600K (R255,G157,B158,L255)
	91-105	35.6%-41.1%	5000K(R255,G124,B90,L255)
	106-120	41.5%-47.0%	4500K(R255,G64,B63,L255)
	121-135	47.4%-52.9%	4000K(R255,G32,B48,L255)
	136-150	53.3%-58.8%	3500K(R255,G6,B33,L255)
	151-165	59.2%-64.7%	- 15 - 3200K(R255,G0,B24,L255)
	166-180	65.0%-70.5%	3000K(R255,G0,B20,L162)

	181-195	70.9%-76.4%	2700K(R255,,G0,B13,L113)
	196-210	76.8%-82.3%	2500K(R255,G0,B10,L95)
	211-225	82.7%-88.2%	2300K(R255,G0,B7,L87)
	226-240	88.6%-94.1%	2000K(R255,G0,B3,L68)
	241-255	94.5%-100.0%	1700K(R255,G0,B0,L45)
14CH	0-255	Color tint	0 – no change 1-64 magenta shift from low to max, 65-127 magenta shift from max to smallest, 128 no shift, 129 -192 green shift from low to max, 193 – 254 green shift from max to smallest, 255 no shift.
15CH	0-255	0%-100%	Foreground Program Effects
	0-5	0%-1.9%	No Function
	6-20	2.3%-7.8%	Program 1
	21-35	8.2%-13.7%	Program 2
	36-50	14.1%-19.6%	Program 3
	51-65	20.0%-25.4%	Program 4
	66-80	25.8%-31.3%	Program 5
	81-95	31.7%-37.2%	Program 6
	96-110	37.6%-43.1%	Program 7
	111-125	43.5%-49.0%	Program 8
	126-140	49.4%-54.9%	Program 9
	141-155	55.2%-60.7%	Program 10
	156-170	61.1%-66.6%	Program 11
	171-185	67.0%-72.5%	Program 12
	186-200	72.9%-78.4%	Program 13
	201-215	78.8%-84.3%	Program 14
	216-230	84.7%-90.1%	Program 15
231-245	90.5%-96.0%	Program 16	
246-255	96.4%-100%	Auto Run Program	
16CH	0-255	0%-100%	Foreground Program Speed
	0-128	Index	
	129-191	CW F>S	
	192-255	CCW S>F	
17CH	0-255	0%-100%	Background Program Effects
	0-5	0%-1.9%	No Function
	6-20	2.3%-7.8%	Program 1
	21-35	8.2%-13.7%	Program 2
	36-50	14.1%-19.6%	Program 3

	51-65	20.0%-25.4%	Program 4
	66-80	25.8%-31.3%	Program 5
	81-95	31.7%-37.2%	Program 6
	96-110	37.6%-43.1%	Program 7
	111-125	43.5%-49.0%	Program 8
	126-140	49.4%-54.9%	Program 9
	141-155	55.2%-60.7%	Program 10
	156-170	61.1%-66.6%	Program 11
	171-185	67.0%-72.5%	Program 12
	186-200	72.9%-78.4%	Program 13
	201-215	78.8%-84.3%	Program 14
	216-230	84.7%-90.1%	Program 15
	231-245	90.5%-96.0%	Program 16
	246-255	96.4%-100%	Auto Run Program
18CH	0-255	0%-100%	Background Program Speed
	0-128	Index	
	129-191	CW F>S	
	192-255	CCW S>F	
19CH	0-255	0%-100%	LED 1 Dimmer
...
36CH	0-255	0%-100%	LED 18 Dimmer
37CH	0-255	Mirror	Flips pixel order (0-Off, 1-255-On)

77CH Mode

CH	Value	Percent	Function
1CH	0-255	0%-100%	Master Dimmer
2CH	0-255	0%-100%	Fine Dimmer
3CH	0-255	0%-100%	Strobe Function
	0-10	Closed	Closed
	11-127	Strobe F>S	Synchronous strobe(fast to slow)
	128	Open	Open
	129-191	Rnd Strobe S>F	Random strobe(slow to fast)
	192	Open	Open
	193-222	Pulse Open F>S	Fast to slow

	223-254	Pulse Close S>F	Slow to fast
	255	Open	Open
4CH	0-255	0%-100%	Color Temperature preset
	0-15	0%-5.8%	No Function
	16-30	6.2%-11.7%	8000K (R255,G200,B155,L255)
	36-45	13.7%-20.0%	7500K(R255,G174,B140,L255)
	46-60	14.1%-23.5%	6500K(R255,G152,B124,L255)
	61-75	23.9%-29.4%	6000K(R255,G136,B105,L255)
	76-90	29.8%-35.2%	5600K (R255,G157,B158,L255)
	91-105	35.6%-41.1%	5000K(R255,G124,B90,L255)
	106-120	41.5%-47.0%	4500K(R255,G64,B63,L255)
	121-135	47.4%-52.9%	4000K(R255,G32,B48,L255)
	136-150	53.3%-58.8%	3500K(R255,G6,B33,L255)
	151-165	59.2%-64.7%	3200K(R255,G0,B24,L255)
	166-180	65.0%-70.5%	3000K(R255,G0,B20,L162)
	181-195	70.9%-76.4%	2700K(R255,,G0,B13,L113)
	196-210	76.8%-82.3%	2500K(R255,G0,B10,L95)
	211-225	82.7%-88.2%	2300K(R255,G0,B7,L87)
	226-240	88.6%-94.1%	2000K(R255,G0,B3,L68)
241-255	94.5%-100.0%	1700K(R255,G0,B0,L45)	
5CH	0-255	0%-100%	Color Marcos
	0-45		No Function
	46-50	Cyan	R=000,G=255,B=255,L=000
	51-55	Yellow	R=255,G=255,B=000,L=000
	56-60	Magenta	R=255,G=000,B=255,L=000
	61-65	Medium Yellow	R= 156,G= 126,B=000,L=000
	66-70	Straw Tint	R= 152,G= 115,B=009,L=000
	71-75	Surprise Peach	R= 198,G= 114,B=009,L=000
	76-80	Fire	R=255,G=056,B=000,L=000
	81-85	Medium Amber	R=255,G= 135,B=000,L=000
	86-90	Gold Amber	R=255,G= 100,B=000,L=000
	91-95	Dark Amber	R=255,G=065,B=000,L=000
	96-100	Sunrise Red	R=255,G=083,B=002,L=000
101-105	Light Pink	R=255,G= 112,B=000,L= 141	

	106-110	Medium Pink	R=255,G=087,B=000,L= 107
	111-115	Pink Carnation	R=255,G= 107,B=000,L= 130
	116-120	Light Lavender	R=243,G= 117,B=039,L= 197
	121-125	Sky Blue	R=000,G=255,B= 135,L=000
	126-130	Just Blue	R=000,G= 194,B= 130,L=000
	131-135	Dark yellow green	R=041,G=219,B=000,L=000
	136-140	Spring Yellow	R=245,G=202,B=000,L=000
	141-145	Light Amber	R=237,G= 163,B=000,L=000
	146-150	Straw Tint	R=230,G= 160,B=000,L=069
	151-155	Deep Amber	R=255,G= 166,B=000,L=000
	156-160	Orange	R=255,G= 122,B=000,L=000
	161-165	Light Rose	R=255,G= 141,B=031,L=000
	166-170	Middle Rose	R=217,G= 130,B=028,L=000
	171-175	Dark Pink	R=255,G= 109,B=033,L=000
	176-180	Magenta	R=255,G=020,B=015,L=000
	181-185	Peacock Blue	R=051,G=255,B=051,L=000
	186-190	Steel Blue	R=206,G=255,B=056,L=000
	191-195	Light Blue	R=074,G=255,B=082,L=000
	196-200	Dark Blue	R=000,G= 186,B=255,L=000
	201-205	Leaf Green	R=206,G=255,B=000,L=000
	206-210	Dark Green	R=084,G=255,B=013,L=000
	211-215	Mauve	R=227,G=041,B=056,L=000
	216-220	Deep Golden Amber	R=255,G=058,B=000,L=000
	221-225	Pale Lavender	R=255,G= 197,B=061,L=000
	226-230	Primary Green	R=077,G=255,B=000,L=000
	231-235	Bright Blue	R=000,G=255,B=087,L=000
	235-240	Apricot	R=255,G= 143,B=013,L=000
	241-245	Pale Gold	R=253,G= 171,B=026,L=000
	246-250	Deep Orange	R=222,G=084,B=000,L=000
	251-255	Flame Red	R=255,G=046,B=002,L=000
6CH	0-255	0%-100.0%	LED1 RED
7CH	0-255	0%-100.0%	LED1 GREEN
8CH	0-255	0%-100.0%	LED1 BLUE
9CH	0-255	0%-100.0%	LED1 LIME

.....
.....
.....
.....
74CH	0-255	0%-100.0%	LED18 RED
75CH	0-255	0%-100.0%	LED18 GREEN
76CH	0-255	0%-100.0%	LED18 BLUE
77CH	0-255	0%-100.0%	LED18 LIME

6.SPECIFICATIONS

CONSTRUCTION/PHYSICAL

Dimensions:1000x210x85m
m

Weight: 10,5 Kg

Exterior Color: Black

Housing Material: Magnesium-aluminum die-casting +aluminum profile

DYNAMIC EFFECTS

Dimmer: Electronic Shutter/Strobe:

Electronic Strobe Rate: 0-25Hz

Standalone: Yes

Color Mixing: RGBL

CONNECTIONS

Power Connection: PowerCon
True1

DMX Connection: XLR 3-pin

Art-Net Connection: RJ-45

CONTROL

Control Protocols:

DMX/ArtNet/sACN/RDM

DMX Channels: 4/10/20/33/37/77CH

Build-in Effects: Yes

ELECTRICAL

Power Supply Voltage: 100-240V 50/60Hz

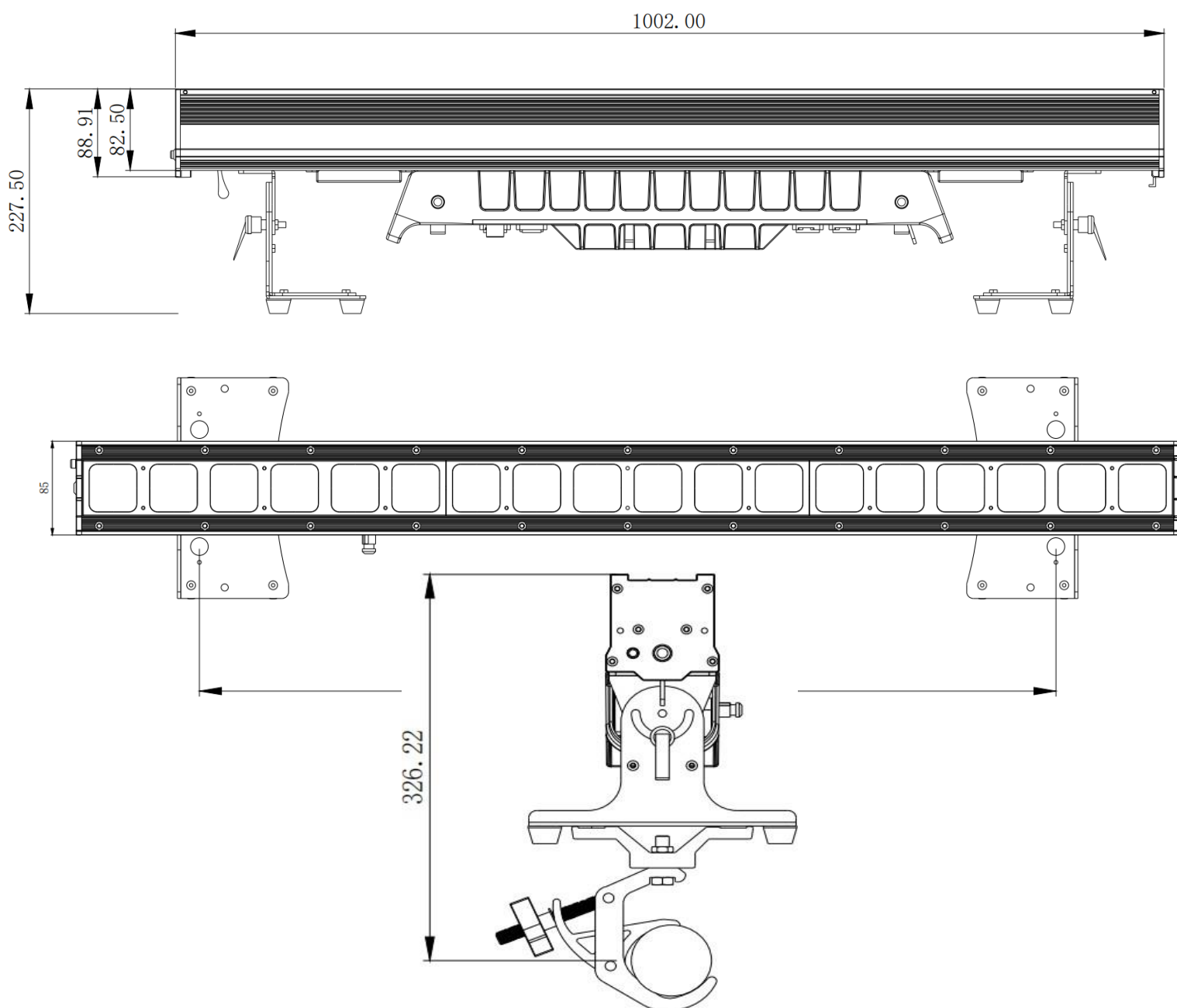
Maximum Power Consumption: 500W

Light Source 18x25W RGBL LED

OPTIC

Installed Optics: 6°/45°(can be changed)

7.DIMENSIONAL DRAWINGS



A large version of the 'brighter' logo, identical in style to the one in the top left corner, centered on the page.

BRIGHTER LIGHTING SP. Z.O.O.

ul. Warszawska 111

32-087 Bibice

POLAND

NIP: 9442248196

REGON: 361197164

Date of issue: 01.04.2026

The manufacturer reserves the right to make changes to technical parameters