EXPOLITE

USER MANUAL

WD 120 FX

led29072



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EXPOLITE

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Every fixture is fully tested by the manufacturer and properly packed. Before installation and use, make sure that the packaging and the fixture are in perfect condition. In case of transport damage, contact your dealer and do not operate the fixture.

As part of continuous product development, specifications are subject to change without notice.

01 SAFETY PRECAUTIONS

1.1 General information

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. No liability is accepted for injuries and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Only qualified and/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/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.

WARNINGS

- Protection class I – the 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 the fixture into a dimmer pack!
- Never open this fixture while in use!
- Unplug power before servicing the fixture!
- Never touch the fixture during operation, as it may be hot! Keep flammable materials away from the fixture!
- Never look directly into the light source! Retina injury risk – may induce blindness! Sensitive persons may suffer an epileptic shock!
- Ensure 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.

Minimum distance to objects/surfaces	1 m (3.3 ft)
Minimum distance to flammable materials	0.5 m (1.6 ft)
Maximum temperature of external surface	85 °C (185 °F)

01 SAFETY PRECAUTIONS

1.2 Safety precautions for operation

- Do not touch the fixture housing during operation. Turn off the power and allow approximately 15 minutes for the fixture to cool down before servicing.
- Do not shake the fixture, and avoid brute force when installing and/or operating the fixture.
- Do not operate the fixture if the power cord is frayed, crimped or damaged, and/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. 15 cm (6 in) between the fixture and other devices or a wall for proper cooling.
- Always disconnect the fixture from the main power source before performing any type of service and/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 caused by excess paint in the interior of the casing burning off and will decrease gradually over time.
- Consistent operational breaks will ensure the fixture functions properly for many years.
- Only use the original packaging and materials to transport the fixture in for service.

02 MAINTENANCE

2.1 Cleaning

Caution: Disconnect power before performing any maintenance!

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

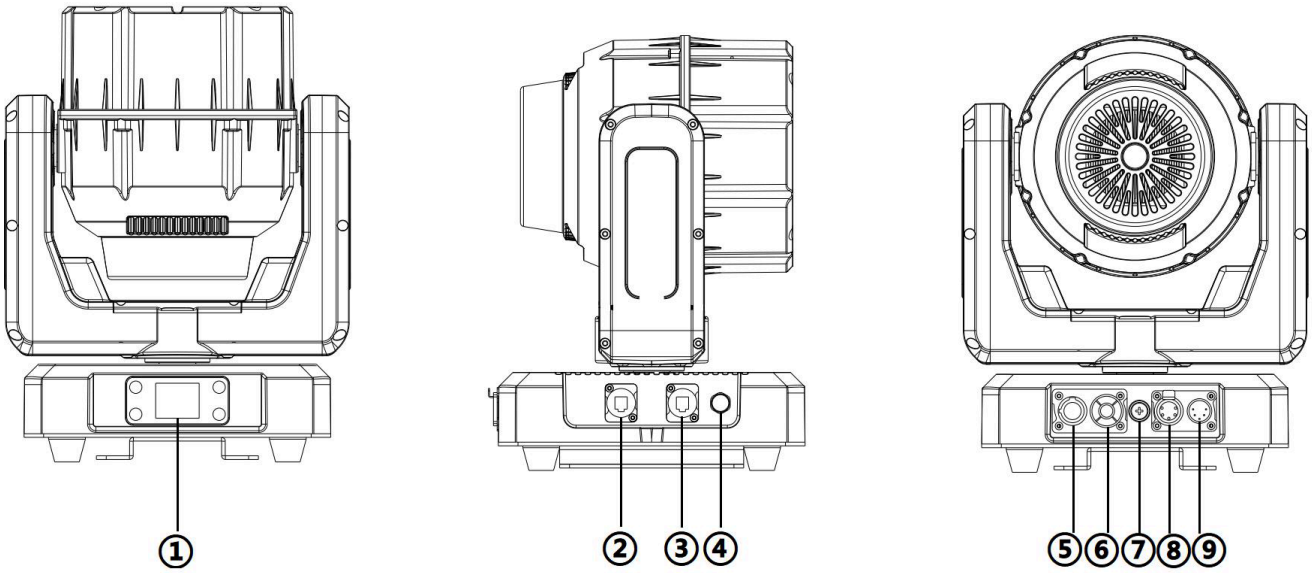
Regular inspections are recommended to ensure proper function and an extended life. There are no user-serviceable parts inside this fixture. Please refer all other service issues to an authorized service technician. Should you need any spare parts, please order genuine parts from your local dealer.

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, colour lenses, rigging hardware and rigging points (ceiling, suspension, trussing). Deformations in the housing could allow dust to enter the fixture. Damaged rigging points or unsecured rigging could cause the fixture to fall and seriously injure a person.
- Electric power supply cables must not show any damage, material fatigue or sediments. Never remove the ground prong from the power cable.

03 OVERVIEW

3.1 Connections and controls



① System Menu LCD Display

② RJ45 Input

③ RJ45 Input

④ Value

⑤ Power Input

⑥ Power Output

⑦ Fuse

⑧ DMX Input

⑨ DMX Output

04 INSTALLATION

4.1 Safety distances and electrical connections

INSTALLATION WARNINGS

- Keep the fixture a minimum of 1.5 m (5.0 ft) away from flammable materials and/or pyrotechnics.
- Minimum distance to surfaces/objects: 1 m (3.3 ft).
- Minimum distance to flammable materials: 0.5 m (1.6 ft).
- The external surface can reach temperatures of 85 °C (185 °F).
- A qualified electrician should be used for all electrical connections and/or installations.
- Do not install the fixture if you are not qualified to do so!

4.2 Rigging

The fixture must be installed following all local and national commercial electrical and construction codes and regulations. Before rigging/mounting a single fixture or multiple fixtures to any metal truss/structure or placing the fixture(s) on any surface, a professional equipment installer must be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the fixture(s), clamps, cables and accessories.

Overhead rigging requires extensive experience, including calculating working load limits, the installation material being used, and periodic safety inspection of all installation material and the fixture, among other skills. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

The fixture ambient operating temperature range is -20 °C to 45 °C (-4 °F to 113 °F). Do not operate the fixture when the ambient temperature falls outside of this range.

Fixtures should be installed away from walking paths, seating areas, or areas where unauthorized personnel might reach the fixture by hand. Never stand directly below the fixture(s) when rigging, removing or servicing.

Overhead fixture installation must always be secured with a secondary safety attachment, such as an appropriately rated safety cable. Allow approximately 15 minutes for the fixture to cool down before servicing.

05 SYSTEM MENU

5.1 Control

Note: Menu items are shown exactly as they appear on the fixture display.

Menu	Item	Option/Value
Control → Base Control	DMX Address	001–512
Control → Base Control	Channel Mode	21CH / 39CH / 223CH
Control → Base Control	Protocol	Art-net / sACN / DMX
Control → Base Control	Universe	00001–32767
Control → Aura Pixels Ctrl	DMX Address	001–512
Control → Aura Pixels Ctrl	Protocol	Art-net / sACN
Control → Aura Pixels Ctrl	Universe	00001–32767
Control → Aura Pixels Ctrl	Color Mode	RGB / RGBW
Control → Aura Pixels Ctrl	Net to DMX	No / YES
Control → Manual	Pan, Pan Fine, …	Manual control of the individual functions
Control → Network	IP Mode	DHCP / Static
Control → Network	IP Address	000.000.000.000
Control → Network	Subnet Mask	255.000.000.000

05 SYSTEM MENU

5.2 Settings · 5.3 Information

Menu	Item	Option/Value
Settings	Display	Always ON / 10 sec / 30 sec / 1 min
Settings	Display Reversal	NO / YES
Settings	Key Lock	NO / YES
Settings	DMX Fault	Hold / Blackout
Settings	Dimmer Speed	Standard / Fast / Slow
Settings	Dimmer Curve	Linear / Square / S-Shape
Settings	LED Frequency	4 KHz / 8 KHz / 16 KHz / 24 KHz
Settings	Red Shift	Off / On
Settings	Fan Mode	Auto / Silent / Full
Settings	Pan Setting	Reversal / Calibration / Encoder
Settings	Tilt Setting	Reversal / Calibration / Encoder
Settings	Zoom Calibration	0–255
Settings	Factory Reset	No / Yes
Information	Error Info	*
Information	Temperature	* °C
Information	Version	V1.0
Information	UID	*

06 PATCHING GUIDELINES

6.1 Lighting console patching guidelines

The product is a versatile luminaire which combines two fixtures into one housing, allowing it to produce multiple unique lighting effects typically not found in a single lighting fixture. The DMX layout is designed to offer a variety of options for controlling each fixture efficiently.

The main fixture contains 1 × 120 W RGBL LED, while the Aura effect contains 48 × 1 W RGBWW LEDs.

Note: The complete channel layout of all three DMX modes (21CH / 39CH / 223CH) can be found in chapter 7.

07 DMX CHART

7.1 21CH Mode (DMX, ArtNet, sACN)

Channel	Value	Function	Description
1CH	0-255	Pan	540°
2CH	0-255	Tilt	230°
3CH	0-255	Zoom	Small angle to large angle
4CH	0-255	Dimmer	
5CH	0-5	Strobe Open	
	6-10	Strobe Closed	
	011-035	Pulse	Random, slow → fast
	036-060	Ramp up	Random, slow → fast
	061-085	Ramp down	Random, slow → fast
	086-110	Random Strobe Effect	
	111-135	Strobe Break Effect	
	136-250	Strobe	Slow → fast
	251-255	Strobe Open	
6CH	0-255	R	
7CH	0-255	G	
8CH	0-255	B	
9CH	0-255	L	
10CH	0-255	FR	
11CH	0-255	FG	
12CH	0-255	FB	
13CH	0-255	FWW	
14CH	0-5	Off	
	6-21	1800K	
	22-37	2000K	
	38-53	2500K	
	54-69	2700K	
	70-85	3000K	
	86-101	3200K	
	102-117	3500K	
	118-133	4000K	
	134-149	4500K	
	150-165	5000K	
	166-181	5600K	
	182-197	6000K	
	198-213	6500K	
	214-229	7200K	
	230-255	8000K	

07 DMX CHART

7.1 21CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
15CH Color Macros	000-005	/	
	006-010	Magenta	
	011-015	Peacock Blue	
	016-020	Steel Blue	
	021-025	Light Blue	
	026-030	Dark Blue	
	031-035	Leaf Green	
	036-040	Dark Green	
	041-045	Mauve	
	046-050	Deep Golden Amber	
	051-055	Pale Lavender	
	056-060	Primary Green	
	061-065	Bright Blue	
	066-070	Apricot	
	071-075	Pale Gold	
	076-135	Rainbow Effect	Smooth Gradient
	136-194	Color Macro Jumping	
	195-255	Color Macro Gradient	Smooth Gradient
16CH Inner ring auxiliary light effect	000-009	/	
	010-034	Effect 1	
	035-059	Effect 2	
	060-084	Effect 3	
	085-109	Effect 4	
	110-134	Effect 5	
	135-159	Effect 6	
	160-184	Effect 7	
	185-209	Effect 8	
	210-234	Effect 9	
	235-244	Effect 10	
	245-255	Built in effect 1-10	
17CH	000-255	Effect Speed	0–127 index, 128 stop, 129–191 clockwise rotation from fast to slow, 192 stop, 193–255 counterclockwise rotation from slow to fast

07 DMX CHART

7.1 21CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
18CH Outer ring auxiliary light effect	000-009	/	
	010-034	Effect 1	
	035-059	Effect 2	
	060-084	Effect 3	
	085-109	Effect 4	
	110-134	Effect 5	
	135-159	Effect 6	
	160-184	Effect 7	
	185-209	Effect 8	
	210-234	Effect 9	
	235-244	Effect 10	
	245-255	Built in effect 1-10	
19CH	000-255	Effect Speed	0–127 index, 128 stop, 129–191 clockwise rotation from fast to slow, 192 stop, 193–255 counterclockwise rotation from slow to fast

07 DMX CHART

7.1 21CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
20CH	0-4	/	
	5-9	The display stays on	3 seconds delay start
	10-14	The display shows 10 seconds	3 seconds delay start
	15-19	The display shows 30 seconds	3 seconds delay start
	20-24	The display shows 1 min	3 seconds delay start
	25-29	Screen lock off	3 seconds delay start
	30-34	Screen lock on	3 seconds delay start
	35-39	Signal Hold	3 seconds delay start
	40-44	Black Field	3 seconds delay start
	45-59	/	
	60-64	Standard dimming	3 seconds delay start
	65-69	Fast dimming	3 seconds delay start
	70-74	Slow dimming	3 seconds delay start
	75-84	/	
	85-89	Linear	3 seconds delay start
	90-94	Square	3 seconds delay start
	95-99	S-curve	3 seconds delay start
	100-109	/	
	110-114	4000 Hz	3 seconds delay start
	115-119	8000 Hz	3 seconds delay start
	120-124	16000 Hz	3 seconds delay start
	125-129	24000 Hz	3 seconds delay start
	130-139	/	
	140-144	Fan automatic	3 seconds delay start
	145-149	Silent fan	3 seconds delay start
	150-154	Fan full on	3 seconds delay start
	155-164	/	
	165-169	Red drift off	3 seconds delay start
	170-174	Red drift on	3 seconds delay start
	175-179	/	
	180-184	Pan Reverse Off	3 seconds delay start
	185-189	Pan Reverse On	3 seconds delay start
	190-194	Pan error correction off	3 seconds delay start
	195-199	Pan error correction on	3 seconds delay start
	200-204	Tilt Reverse Off	3 seconds delay start
	205-209	Tilt Reverse On	3 seconds delay start
	210-214	Tilt error correction off	3 seconds delay start
	215-219	Tilt error correction on	3 seconds delay start
	220-224	Pan & Tilt Reset	3 seconds delay start
	225-229	Zoom Reset	3 seconds delay start
	230-234	Reset All	3 seconds delay start
	235-255	/	
21CH	000-015	DMX Mode	Pixel controlled
	016-238	Mixed Mode	
	239-255	ArtNet Mode	

07 DMX CHART

7.2 39CH Mode (DMX, ArtNet, sACN)

Channel	Value	Function	Description
1CH	0-255	Pan	540°
2CH	0-255	Pan Fine	
3CH	0-255	Tilt	230°
4CH	0-255	Tilt Fine	
5CH	0-255	X/Y Speed	Fast to slow
6CH	0-255	Zoom	Small angle to large angle
7CH	0-255	Zoom Fine	
8CH	0-255	120W LED Dimmer	
9CH	0-255	120W LED Dimmer Fine	
10CH	0-5	Strobe Open	
	6-10	Strobe Closed	
	011-035	Pulse	Random, slow → fast
	036-060	Ramp up	Random, slow → fast
	061-085	Ramp down	Random, slow → fast
	086-110	Random Strobe Effect	
	111-135	Strobe Break Effect	
	136-250	Strobe	Slow → fast
	251-255	Strobe Open	
11CH	0-255	R	
12CH	0-255	R Fine	
13CH	0-255	G	
14CH	0-255	G Fine	
15CH	0-255	B	
16CH	0-255	B Fine	
17CH	0-255	L	
18CH	0-255	L Fine	
19CH	0-255	Inner ring Aura LEDs dimmer	
20CH	0-255	Inner ring Red	
21CH	0-255	Inner ring Green	
22CH	0-255	Inner ring Blue	
23CH	0-255	Inner ring WW	
24CH Inner ring Strobe	0-5	Strobe Open	
	6-10	Strobe Closed	
	011-035	Pulse	Random, slow → fast
	036-060	Ramp up	Random, slow → fast
	061-085	Ramp down	Random, slow → fast
	086-110	Random Strobe Effect	
	111-135	Strobe Break Effect	
	136-250	Strobe	Slow → fast
	251-255	Strobe Open	

07 DMX CHART

7.2 39CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
25CH	000-255	Outer ring dimmer	
26CH	000-255	Outer ring Red	
27CH	000-255	Outer ring Green	
28CH	000-255	Outer ring Blue	
29CH	000-255	Outer ring WW	
30CH Outer ring Strobe	0-5	Strobe Open	
	6-10	Strobe Closed	
	011-035	Pulse	Random, slow → fast
	036-060	Ramp up	Random, slow → fast
	061-085	Ramp down	Random, slow → fast
	086-110	Random Strobe Effect	
	111-135	Strobe Break Effect	
	136-250	Strobe	Slow → fast
	251-255	Strobe Open	
31CH CCT	0-5	/	
	6-21	1800K	
	22-37	2000K	
	38-53	2500K	
	54-69	2700K	
	70-85	3000K	
	86-101	3200K	
	102-117	3500K	
	118-133	4000K	
	134-149	4500K	
	150-165	5000K	
	166-181	5600K	
	182-197	6000K	
	198-213	6500K	
	214-229	7200K	
	230-255	8000K	
32CH Green-magenta shift (tint)	000-000	OFF	
	001-127	From Magenta to OFF	
	128-128	OFF	
	129-255	From OFF to Green	

7.2 39CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
33CH Color Macros	000-005	/	
	006-010	Magenta	
	011-015	Peacock Blue	
	016-020	Steel Blue	
	021-025	Light Blue	
	026-030	Dark Blue	
	031-035	Leaf Green	
	036-040	Dark Green	
	041-045	Mauve	
	046-050	Deep Golden Amber	
	051-055	Pale Lavender	
	056-060	Primary Green	
	061-065	Bright Blue	
	066-070	Apricot	
	071-075	Pale Gold	
	076-135	Rainbow Effect	Smooth Gradient
	136-194	Color Macro Jumping	
	195-255	Color Macro Gradient	Smooth Gradient
34CH Inner ring auxiliary light effect	000-009	/	
	010-034	Effect 1	
	035-059	Effect 2	
	060-084	Effect 3	
	085-109	Effect 4	
	110-134	Effect 5	
	135-159	Effect 6	
	160-184	Effect 7	
	185-209	Effect 8	
	210-234	Effect 9	
	235-244	Effect 10	
	245-255	Built in effect 1-10	
35CH	000-255	Effect Speed	0–127 index, 128 stop, 129–191 clockwise rotation from fast to slow, 192 stop, 193–255 counterclockwise rotation from slow to fast

7.2 39CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
36CH Outer ring auxiliary light effect	000-009	/	
	010-034	Effect 1	
	035-059	Effect 2	
	060-084	Effect 3	
	085-109	Effect 4	
	110-134	Effect 5	
	135-159	Effect 6	
	160-184	Effect 7	
	185-209	Effect 8	
	210-234	Effect 9	
	235-244	Effect 10	
	245-255	Built in effect 1-10	
37CH	000-255	Effect Speed	0–127 index, 128 stop, 129–191 clockwise rotation from fast to slow, 192 stop, 193–255 counterclockwise rotation from slow to fast

7.2 39CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
38CH	0-4	/	
	5-9	The display stays on	3 seconds delay start
	10-14	The display shows 10 seconds	3 seconds delay start
	15-19	The display shows 30 seconds	3 seconds delay start
	20-24	The display shows 1 min	3 seconds delay start
	25-29	Screen lock off	3 seconds delay start
	30-34	Screen lock on	3 seconds delay start
	35-39	Signal Hold	3 seconds delay start
	40-44	Black Field	3 seconds delay start
	45-59	/	
	60-64	Standard dimming	3 seconds delay start
	65-69	Fast dimming	3 seconds delay start
	70-74	Slow dimming	3 seconds delay start
	75-84	/	
	85-89	Linear	3 seconds delay start
	90-94	Square	3 seconds delay start
	95-99	S-curve	3 seconds delay start
	100-109	/	
	110-114	4000 Hz	3 seconds delay start
	115-119	8000 Hz	3 seconds delay start
	120-124	16000 Hz	3 seconds delay start
	125-129	24000 Hz	3 seconds delay start
	130-139	/	
	140-144	Fan automatic	3 seconds delay start
	145-149	Silent fan	3 seconds delay start
	150-154	Fan full on	3 seconds delay start
	155-164	/	
	165-169	Red drift off	3 seconds delay start
	170-174	Red drift on	3 seconds delay start
	175-179	/	
	180-184	Pan Reverse Off	3 seconds delay start
	185-189	Pan Reverse On	3 seconds delay start
	190-194	Pan error correction off	3 seconds delay start
	195-199	Pan error correction on	3 seconds delay start
	200-204	Tilt Reverse Off	3 seconds delay start
	205-209	Tilt Reverse On	3 seconds delay start
	210-214	Tilt error correction off	3 seconds delay start
	215-219	Tilt error correction on	3 seconds delay start
	220-224	Pan & Tilt Reset	3 seconds delay start
	225-229	Zoom Reset	3 seconds delay start
	230-234	Reset All	3 seconds delay start
	235-255	/	
39CH	000-015	DMX Mode	Pixel controlled
	016-238	Mixed Mode	
	239-255	ArtNet Mode	

07 DMX CHART

7.3 223CH Mode (DMX, ArtNet, sACN)

Channel	Value	Function	Description
1CH	0-255	Pan	540°
2CH	0-255	Pan Fine	
3CH	0-255	Tilt	230°
4CH	0-255	Tilt Fine	
5CH	0-255	X/Y Speed	Fast to slow
6CH	0-255	Zoom	Small angle to large angle
7CH	0-255	Zoom Fine	
8CH	0-255	120W LED Dimmer	
9CH	0-255	120W LED Dimmer Fine	
10CH	0-5	Strobe Open	
	6-10	Strobe Closed	
	011-035	Pulse	Random, slow → fast
	036-060	Ramp up	Random, slow → fast
	061-085	Ramp down	Random, slow → fast
	086-110	Random Strobe Effect	
	111-135	Strobe Break Effect	
	136-250	Strobe	Slow → fast
	251-255	Strobe Open	
11CH	0-255	R	
12CH	0-255	R Fine	
13CH	0-255	G	
14CH	0-255	G Fine	
15CH	0-255	B	
16CH	0-255	B Fine	
17CH	0-255	L	
18CH	0-255	L Fine	
19CH	0-255	Inner ring Aura LEDs dimmer	
20CH Inner ring Strobe	0-5	Strobe Open	
	6-10	Strobe Closed	
	011-035	Pulse	Random, slow → fast
	036-060	Ramp up	Random, slow → fast
	061-085	Ramp down	Random, slow → fast
	086-110	Random Strobe Effect	
	111-135	Strobe Break Effect	
	136-250	Strobe	Slow → fast
	251-255	Strobe Open	

7.3 223CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
21CH	0-255	Outer ring auxiliary light dimmer fine	
22CH Outer ring Strobe	0-5	Strobe Open	
	6-10	Strobe Closed	
	011-035	Pulse	Random, slow → fast
	036-060	Ramp up	Random, slow → fast
	061-085	Ramp down	Random, slow → fast
	086-110	Random Strobe Effect	
	111-135	Strobe Break Effect	
	136-250	Strobe	Slow → fast
	251-255	Strobe Open	
23CH CCT	0-5	/	
	6-21	1800K	
	22-37	2000K	
	38-53	2500K	
	54-69	2700K	
	70-85	3000K	
	86-101	3200K	
	102-117	3500K	
	118-133	4000K	
	134-149	4500K	
	150-165	5000K	
	166-181	5600K	
	182-197	6000K	
	198-213	6500K	
	214-229	7200K	
	230-255	8000K	
24CH Green-magenta shift (tint)	000-000	OFF	
	001-127	From Magenta to OFF	
	128-128	OFF	
	129-255	From OFF to Green	

7.3 223CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
25CH Color Macros	000-005	/	
	006-010	Magenta	
	011-015	Peacock Blue	
	016-020	Steel Blue	
	021-025	Light Blue	
	026-030	Dark Blue	
	031-035	Leaf Green	
	036-040	Dark Green	
	041-045	Mauve	
	046-050	Deep Golden Amber	
	051-055	Pale Lavender	
	056-060	Primary Green	
	061-065	Bright Blue	
	066-070	Apricot	
	071-075	Pale Gold	
	076-135	Rainbow Effect	Smooth Gradient
	136-194	Color Macro Jumping	
	195-255	Color Macro Gradient	Smooth Gradient
26CH Inner ring auxiliary light effect	000-009	/	
	010-034	Effect 1	
	035-059	Effect 2	
	060-084	Effect 3	
	085-109	Effect 4	
	110-134	Effect 5	
	135-159	Effect 6	
	160-184	Effect 7	
	185-209	Effect 8	
	210-234	Effect 9	
	235-244	Effect 10	
	245-255	Built in effect 1-10	
27CH	000-255	Effect Speed	0–127 index, 128 stop, 129–191 clockwise rotation from fast to slow, 192 stop, 193–255 counterclockwise rotation from slow to fast

7.3 223CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
28CH Outer ring auxiliary light effect	000-009	/	
	010-034	Effect 1	
	035-059	Effect 2	
	060-084	Effect 3	
	085-109	Effect 4	
	110-134	Effect 5	
	135-159	Effect 6	
	160-184	Effect 7	
	185-209	Effect 8	
	210-234	Effect 9	
	235-244	Effect 10	
	245-255	Built in effect 1-10	
29CH	000-255	Effect Speed	0–127 index, 128 stop, 129–191 clockwise rotation from fast to slow, 192 stop, 193–255 counterclockwise rotation from slow to fast

7.3 223CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
30CH	0-4	/	
	5-9	The display stays on	3 seconds delay start
	10-14	The display shows 10 seconds	3 seconds delay start
	15-19	The display shows 30 seconds	3 seconds delay start
	20-24	The display shows 1 min	3 seconds delay start
	25-29	Screen lock off	3 seconds delay start
	30-34	Screen lock on	3 seconds delay start
	35-39	Signal Hold	3 seconds delay start
	40-44	Black Field	3 seconds delay start
	45-59	/	
	60-64	Standard dimming	3 seconds delay start
	65-69	Fast dimming	3 seconds delay start
	70-74	Slow dimming	3 seconds delay start
	75-84	/	
	85-89	Linear	3 seconds delay start
	90-94	Square	3 seconds delay start
	95-99	S-curve	3 seconds delay start
	100-109	/	
	110-114	4000 Hz	3 seconds delay start
	115-119	8000 Hz	3 seconds delay start
	120-124	16000 Hz	3 seconds delay start
	125-129	24000 Hz	3 seconds delay start
	130-139	/	
	140-144	Fan automatic	3 seconds delay start
	145-149	Silent fan	3 seconds delay start
	150-154	Fan full on	3 seconds delay start
	155-164	/	
	165-169	Red drift off	3 seconds delay start
	170-174	Red drift on	3 seconds delay start
	175-179	/	
	180-184	Pan Reverse Off	3 seconds delay start
	185-189	Pan Reverse On	3 seconds delay start
	190-194	Pan error correction off	3 seconds delay start
	195-199	Pan error correction on	3 seconds delay start
	200-204	Tilt Reverse Off	3 seconds delay start
	205-209	Tilt Reverse On	3 seconds delay start
	210-214	Tilt error correction off	3 seconds delay start
	215-219	Tilt error correction on	3 seconds delay start
	220-224	Pan & Tilt Reset	3 seconds delay start
	225-229	Zoom Reset	3 seconds delay start
	230-234	Reset All	3 seconds delay start
	235-255	/	
31CH	000-015	DMX Mode	Pixel controlled
	016-238	Mixed Mode	
	239-255	ArtNet Mode	

7.3 223CH Mode (DMX, ArtNet, sACN) (continued)

Channel	Value	Function	Description
Inner ring RGBWW LEDs			
32CH	0-255	R1	
33CH	0-255	G1	
34CH	0-255	B1	
35CH	0-255	WW1	
…	…	…	
124CH	0-255	R24	
125CH	0-255	G24	
126CH	0-255	B24	
127CH	0-255	WW24	
Outer ring RGBWW LEDs			
128CH	0-255	R1	
129CH	0-255	G1	
130CH	0-255	B1	
131CH	0-255	WW1	
…	…	…	
220CH	0-255	R24	
221CH	0-255	G24	
222CH	0-255	B24	
223CH	0-255	WW24	

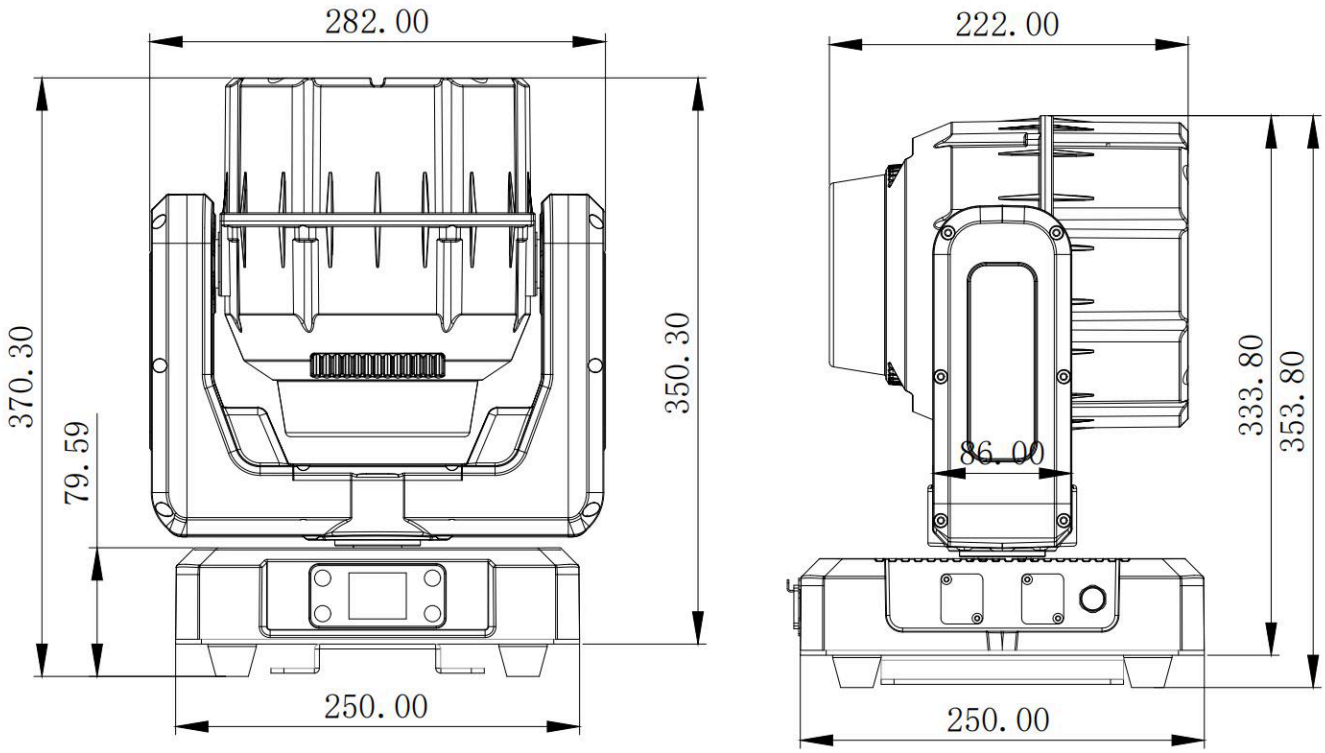
08 SPECIFICATIONS

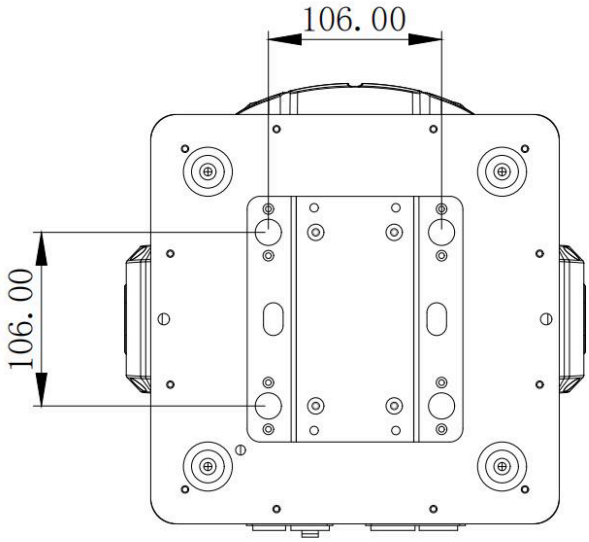
8.1 Overview

Light source	
Main LED	120 W RGBL
Aura LED	48 × 1 W RGBWW
Operation	Flicker-free, LED driver frequency adjustable
Colour palette	
Colour mixing	RGBL – saturated colours, soft pastels and white tones
Colour temperature	1800 K – 8000 K, calibrated
Green-magenta shift	Calibrated (tint)
Optics	
Lens	140 mm Fresnel lens
Beam angle	5° / 45° (narrow / wide, adjustable)
Field angle	9° / 58° (narrow / wide, adjustable)
Beam	Defined narrow beam to soft edge wide wash, minimal stray light
Electrical and connectors	
Input voltage range	100–240 V, 50/60 Hz
Power in/out	Waterproof power connector in/out
Data in/out	5-pin waterproof XLR
Control	
DMX modes	21 / 39 / 223 channels
Protocols	DMX, Art-Net, sACN
Construction	
Dimensions (W × D × H)	282 × 250 × 370.3 mm
Weight	7 kg
Ingress protection	IP65
Ambient temperature	-20 °C to 45 °C

09 DIMENSIONAL DRAWINGS

9.1 Dimensions in mm





QUESTIONS OR FEEDBACK?

Scan the QR code to get in touch — we’re happy to help!

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