OUTBACK12X40W

12 x 40W Zoom Wash Outdoor Moving Head

USER MANUAL

For your safety, please read this user manual carefully before use.

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

Version 1.0 (12/05/2025)

CONTENTS

1. Safety information

| Please read the instruction carefully which includes important information about the installation, usage and maintenance. |

WARNING

Please keep this user manual for future reference. If you sell or transfer the unit to another user, ensure they receive the manual and understand the instructions.

Important:

Damage resulting from failure to follow this manual is not covered under warranty. The dealer is not liable for any defects or malfunctions caused by improper use.

Safety Precautions:

- Carefully unpack and inspect the device for transportation damage before use. If any damage is found, do not use the device—contact your local dealer or manufacturer immediately.
- **Do not** connect the device to a dimmer pack.
- Installation and operation must be performed by a qualified professional.
- The yellow/green conductor must be properly grounded to avoid electric shock.
- Always disconnect the power before servicing, cleaning, or when the device is not in use for an extended period.
- Keep the fixture out of reach of children.
- Use a safety cable when mounting the unit. Always carry the fixture by its base.
- Ensure the device is securely mounted to prevent vibration or accidental movement during operation.
- Install the device in a well-ventilated area, maintaining at least **50 cm clearance** from adjacent surfaces. Do not block ventilation slots, as overheating may occur.
- Verify that the device is connected to the correct voltage, as specified in the manual or on the product label.
- Operating temperature range: **-15°C to 45°C**. Do not operate the device outside this range.
- Before replacing any accessories, ensure the power is disconnected to prevent electric shock.

Operational Safety:

- Keep flammable materials away from the fixture during operation to prevent fire hazards.

- Ensure that the power cable is not crimped or damaged. If damaged, replace it immediately.

- The fixture's surface temperature may reach **up to 65°C** — do not touch the housing with bare hands during operation.

- Prevent flammable liquids, water, or metal from entering the unit. If this occurs, immediately disconnect the power.

- Do not operate the device in excessively dirty or dusty environments. Clean the fixture regularly.

- Avoid touching any internal wires while the fixture is operating, as this poses a risk of electric shock.

- Keep power cables separate from other wires to prevent entanglement.

- Maintain a minimum **5-meter distance** between the fixture and any objects.

- Avoid direct eye exposure to the light source while the fixture is in operation.

- If the housing or lenses become visibly damaged, they must be replaced with original manufacturer parts only.

Maintenance & Handling:

- Do not use the fixture if it becomes damaged. Do not attempt repairs yourself—unskilled repairs can cause further damage or malfunction. Contact an authorized service center for repairs.

- When transporting the device, use the original packaging and ensure **PAN/TILT locks are released before** packing.

- Avoid exposing the front lens of the fixture to direct sunlight or strong light sources during unpacking, installation, operation, or long periods of inactivity outdoors, as this can cause severe internal damage.

- After any contact with water, ensure the fixture is wiped down, dry and has been ventilated before storing.

- To ventilate the unit, run the fixture upright in a dry area for at least 15 minutes and up to 2 hours (depending on exposure to liquids). Ensure the release valve (Item 4 in section 2.3) is not covered so any water inside the unit can evaporate.

- If you notice any water inside the fixture (Behind the lens or the LCD display), do not open the fixture. Contact your purchasing agent and arrange repair.

- No parts in this unit are user serviceable. Do not open the fixture, if there is issues with this fixture please contact your purchasing agent for more advice. **Opening this fixture will void the warranty**.
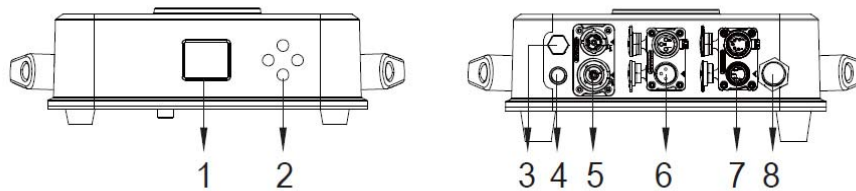
2. Introduction

2.1. Package & Transportation:

Do not pack the device into carton or flight case before cooling completely, only 2 flight cases can be allowed to stack.

2.2. Dimensions (mm)
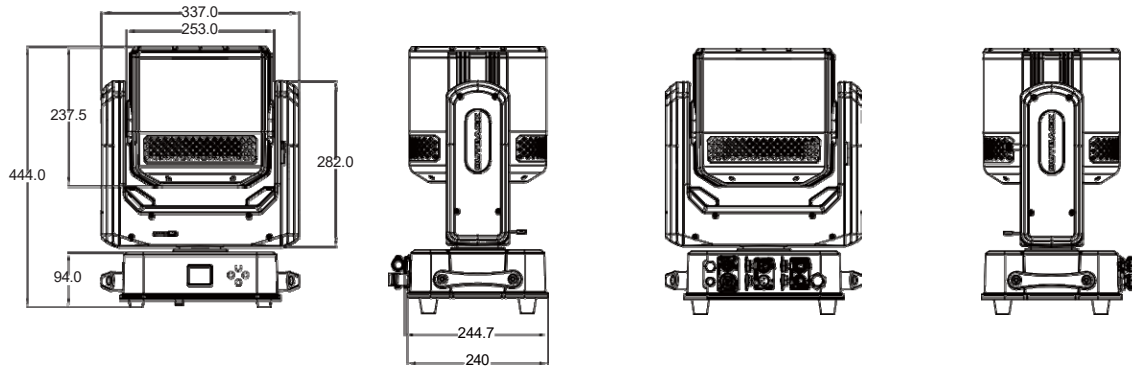
2.3. Overview:

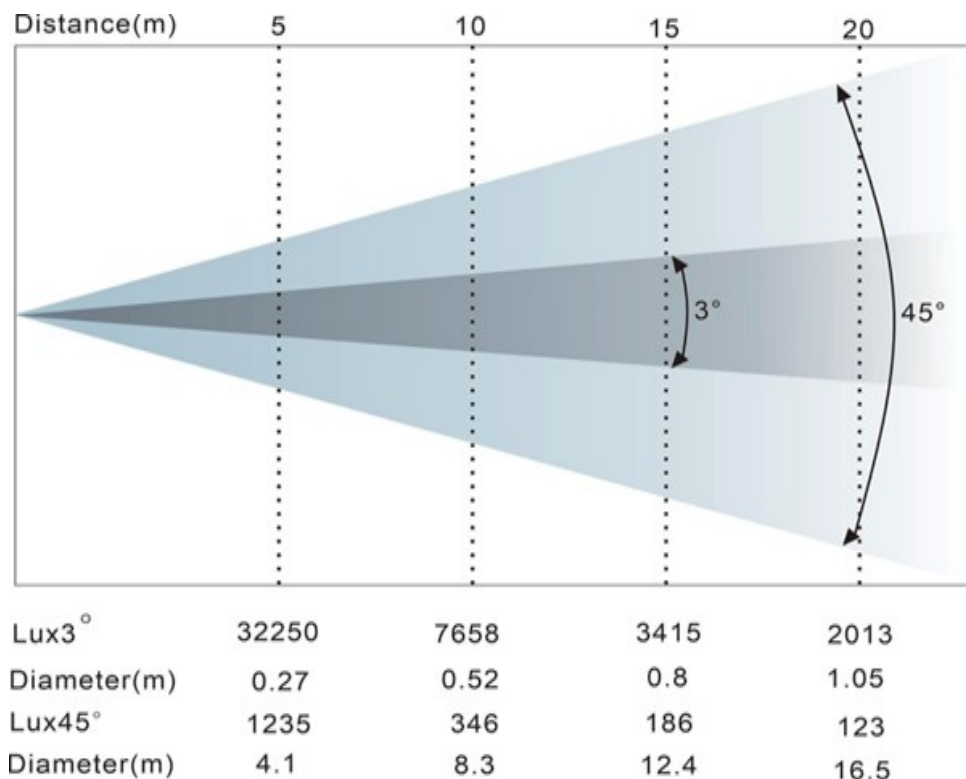| 1. Display	Show menus and functions	
2. Buttons	MENU	To move backward or leave the menu
	UP	To go backward to move up
	DOWN	To go forward to move down
	ENTER	To confirm the selected function
3. Release Valve		
4. Fuse		
5. Power IN/OUT	To connect to supply power and next fixture	
6. DMX IN/OUT	3-PIN XLR (Firmware optional)	
7. DMX IN/OUT	5-PIN XLR (Firmware optional)	

2.4. Accessories

Item	Qty	
Omega bracket	2	PCS
Safety cable	1	PCS
Signal cable	1	PCS
Power cable	1	PCS

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3. Technical Specifications

3.1. Specifications

AC POWER/ Frequency	100-264V AC: 50/60Hz	
Power Consumption	230VAC/552W, 110V AC/570W	
Light Source	12x40W RGBW LED	
CRI	≥80	
Beam Angle	1.8°	
Color Tempersture	2000K-10000K	
Zoom Angle	3-45°	
Movement	PAN	540°
	TILT	270°
	Automatic PAN/TILT repositioning	
	16-bit precision scanning	
	Mechanical PAN/TILT lock for safe transportation and maintenance	
Construction	Display	TFT screen
	DMX IN/OUT	3-PIN/5-PIN XLR(Firmware optional)
	Power IN/OUT	Waterproof power connector in/out
	Protection rating	IP65
Control and programming	DMX channels	17 / 29 / 61CH
	Protocols	DMX 512, RDM, W-DMX. (A-Net,sACN,optional）
	Firmware update	Via DMX
Dynamic effects	0-100% continuous dimming and strobe effects	
	Color macro effect, pixel control	
Dimensions Weight	337*240*457mm	
	13.5 kgs	

3.2 Photometrics:

Distance(m)	5	10	15	20
Lux3°	32250	7658	3415	2013
Diameter(m)	0.27	0.52	0.8	1.05
Lux45°	1235	346	186	123
Diameter(m)	4.1	8.3	12.4	16.5

4. Operation

*Press [MENU] button to control menus.

*Press [UP] and [DOWN] button to navigate the menu structure.

*To select menu option or confirm the selection, press [ENTER]

*Return to upper level or without any change, press [MENU] button

*With battery inside, press one of buttons for 5 seconds to operate the menu if disconnect the power.

Note: The screen will be automatically locked if without any operation for a long time, and press [MENU] button in 5 seconds to unlock the screen.

Main functions as:

Address	001-512		
Run Mode	DMX	17 / 29 / 61 CH	
	AUTO	Master	Master/Alone
		Run Mode	Maser/Alone
		Run Speed	Master/Alone
	Manual	Pan	
		Tilt	
Setting	Pan Reverse	On/Off	
	Tilt Reverse	On/Off	
	Screen Reverse	Up/Down/Auto	
	Auto Reposition	On/Off	
	Pan Angle	540° / 360° / 180°	
	Tilt Angle		
	Limit Mode	Off/Up/Down	
	Password	On/Off	
	DMX Loss	Hold/ Black	
	Fan Mode	Auto/Full/ECO	
	DMX Backlight	On/Off	
	Dimmer Curve	Line/ Square Law/ Inv Square/ S-Curve	
	Dimmer Freq	600/1200/1800/3600/7200/25K	
	WDMX setting	WDMX Of /WDMX On/WDMX Reset	
	Calibrate	Password Pan	

	Factory Reset	On/Off	
Reset	Reset All		
	Reset Scan		
	Reset Other		
System Info	Temperature		
	Error List		
	SoftwareVersion		
	System Update	On/Off	
	System Info		
Program	Select Prog	Program 1 ~10	
	Program Edit	Auto Program1 Auto Program10	Test Step1=Scene .. Step8=Scene
	Scene Edit	Scene Edit: 001-128	Pan...Pan=.. SceneTime=..

5. DMX 512 Channels

Channel			Value	Function
17ch	29ch	61ch		
1	1	1	0-255	Pan 0-100%
2	2	2	0-255	Pan fine
3	3	3	0-255	Tilt 0-100%
4	4	4	0-255	Tilt fine
5	5	5	0-255	Pan/Tilt Speed-Fast to slow
6	6	6		Shutter
			0-3	Off
			4-7	On
			8-76	Synchronized strobe slow to fast
			77-145	Pulse strobe slow to fast
			146-215	Random strobe slow to fast
			216-255	On
7	7	7	0-255	Dimmer 0-100%
—	8	8	0-255	Dimmer fine
8	9	9	0-255	Zoom
-	10	10	0-255	Zoom fine
9	11	-	0-255	Red
-	12	-	0-255	Red fine
10	13	-	0-255	Green
-	14	-	0-255	Green fine
11	15	-	0-255	Blue
-	16	-	0-255	Blue fine
12	17	-	0-255	White
-	18	-	0-255	White fine
13	19	11		Color Temperature
			0-17	Off

			18-34	8000K
			35-51	7500K
			52-68	6500K
			69-85	6000K
			86-102	5600K
			103-119	5000K
			120-136	4500K
			137-153	4000K
			154-170	3500K
			171-187	3200K
			188-204	3000K
			205-221	2700K
			222-238	2500K
			239-255	2000K
14	20	12		Preset Colours
			0-45	Off
			46-50	Cyan
			51-55	Yellow
			56-60	Magenta
			61-65	Medium Yellow
			66-70	Straw Tint
			71-75	Surprise Peach
			76-80	Fire
			81-85	Medium Amber
			86-90	Gold Amber
			91-95	Dark Amber
			96-100	Sunrise Red
			101-105	Light Pink
			106-110	Medium Pink
			111-115	Pink Carnation
			116-120	Light Lavender
			121-125	Sky Blue
			126-130	Just Blue

			131-135	Dark Yellow
			136-140	Spring Yellow
			141-145	Light Amber
			146-150	Straw Tint
			151-155	Deep Amber
			156-160	Orange
			161-165	Light Rose
			166-170	Middle Rose
			171-175	Dark Pink
			176-180	Magenta
			181-185	Peacock Blue
			186-190	Steel Blue
			191-195	Light Blue
			196-200	Dark Blue
			201-205	Leaf Green
			206-210	Dark Green
			211-215	Mauve
			216-220	Deep Golden
			221-225	Pale Lavender
			226-230	Primary Green
			231-235	Bright Blue
			236-240	Apricot
			241-245	Pale Gold
			246-250	Deep Orange
			251-255	Flame Red
15	21	-		Pixel Macro
			0-1	Off
			2-3	static Pixel 1
			4-5	static Pixel 2
			6-7	static Pixel 3
			8-9	static Pixel 4
			10-11	static Pixel 5
			12-13	static Pixel 6
			14-15	static Pixel 7

16-17	static Pixel 8
18-19	static Pixel 9
20-21	static Pixel 10
22-23	static Pixel 11
24-25	static Pixel 12
26-27	static Pixel 13
28-29	static Pixel 14
30-31	static Pixel 15
32-33	static Pixel 16
34-35	static Pixel 17
36-37	static Pixel 18
38-39	static Pixel 19
40-41	static Pixel 20
42-43	static Pixel 21
44-45	static Pixel 22
46-47	static Pixel 23
48-49	static Pixel 24
50-51	static Pixel 25
52-53	static Pixel 26
54-55	static Pixel 27
56-57	static Pixel 28
58-59	static Pixel 29
60-61	static Pixel 30
62-63	static Pixel 31
64-65	static Pixel 32
66-67	static Pixel 33
68-69	static Pixel 34
70-71	static Pixel 35
72-73	static Pixel 36
74-75	static Pixel 37
76-77	static Pixel 38
78-79	static Pixel 39
80-81	static Pixel 40
82-83	static Pixel 41
84-85	static Pixel 42
86-87	static Pixel 43

			88-89	static Pixel 44
			90-91	static Pixel 45
			92-93	static Pixel 46
			94-95	static Pixel 47
			96-97	static Pixel 48
			98-99	static Pixel 49
			100-101	static Pixel 50
			102-103	static Pixel 51
			104-105	static Pixel 52
			106-107	static Pixel 53
			108-109	static Pixel 54
			110-111	static Pixel 55
			112-113	static Pixel 56
			114-115	static Pixel 57
			116-117	static Pixel 58
			118-119	static Pixel 59
			120-121	static Pixel 60
			122-123	static Pixel 61
			124-125	static Pixel 62
			126-127	static Pixel 63
			128-129	static Pixel 64
			130-131	static Pixel 65
			132-133	static Pixel 66
			134-135	static Pixel 67
			136-137	static Pixel 68
			138-139	static Pixel 69
			140-141	static Pixel 70
			142-143	static Pixel 71
			144-145	static Pixel 72
			146-147	static Pixel 73
			148-149	static Pixel 74
			150-151	static Pixel 75
			152-153	static Pixel 76
			154-155	static Pixel 77
			156-157	static Pixel 78
			158-159	static Pixel 79

			160-161	static Pixel 80
			162-163	static Pixel 81
			164-165	static Pixel 82
			166-174	Pixel Macro 1
			175-183	Pixel Macro 2
			184-192	Pixel Macro 3
			193-201	Pixel Macro 4
			202-210	Pixel Macro 5
			211-219	Pixel Macro 6
			220-228	Pixel Macro 7
			229-237	Pixel Macro 8
			238-246	Pixel Macro 9
			247-255	Pixel Macro 10
16	22	-	0-127	Pixel Macro Speed - CCW Fast to Slow
			128-255	Pixel Macro Speed - CW Slow to Fast
-	23	-	0-255	Backlight Red 0-100%
-	24	-	0-255	Backlight Green 0-100%
-	25	-	0-255	Backlight Blue 0-100%
-	26	-	0-255	Backlight White 0-100%
-	27	-	0-255	Pixel Dimmer 0-100%
-	28	-	0-255	Backlight Dimmer 0-100%
-	-	13	0-255	Red 1
-	-	14	0-255	Green 1
-	-	15	0-255	Blue 1
-	-	16	0-255	White 1
-	-	17	0-255	Red 2
-	-	18	0-255	Green 2
-	-	19	0-255	Blue 2
-	-	20	0-255	White 2
-	-	21	0-255	Red 3
-	-	22	0-255	Green 3
-	-	23	0-255	Blue 3
-	-	24	0-255	White 3
-	-	25	0-255	Red 4
-	-	26	0-255	Green 4
-	-	27	0-255	Blue 4

-	-	28	0-255	White 4
-	-	29	0-255	Red 5
-	-	30	0-255	Green 5
-	-	31	0-255	Blue 5
-	-	32	0-255	White 5
-	-	33	0-255	Red 6
-	-	34	0-255	Green 6
-	-	35	0-255	Blue 6
-	-	36	0-255	White 6
-	-	37	0-255	Red 7
-	-	38	0-255	Green 7
-	-	39	0-255	Blue 7
-	-	40	0-255	White 7
-	-	41	0-255	Red 8
-	-	42	0-255	Green 8
-	-	43	0-255	Blue 8
-	-	44	0-255	White 8
-	-	45	0-255	Red 9
-	-	46	0-255	Green 9
-	-	47	0-255	Blue 9
-	-	48	0-255	White 9
-	-	49	0-255	Red 10
-	-	50	0-255	Green 10
-	-	51	0-255	Blue 10
-	-	52	0-255	White 10
-	-	53	0-255	Red 11
-	-	54	0-255	Green 11
-	-	55	0-255	Blue 11
-	-	56	0-255	White 11
-	-	57	0-255	Red 12
-	-	58	0-255	Green 12
-	-	59	0-255	Blue 12
-	-	60	0-255	White 12
15	29	61		Function
			0-31	No function
			32-63	Reset Pan and Tilt Motor(hold 5s)

			64-95	Reset Other Motor(hold 5s)
			96-127	Reset All Motor(hold 5s)
			128-255	No function

6. Connecting Power & Data

6.1 Connecting Power

-Release PAN/TILT locks before connecting power.

-The fixture can be operated on 100-260Vac, 50/60 Hz AC main power.

-The maximum power consumption is 570W.

The fixture must be grounded/earthed and able to be isolated from AC power. The AC power supply must incorporate a fuse or circuit breaker for fault protection. All wiring and connecting works must be handled by qualified electrician.

Power cables color code as below:

Cable	Colour (US)	Cable	Colour (EU)	Symbol	Conductor
	Black		Brown	L	Live
	White		Blue	N	Neutral
	Green		Yellow/Green	$\perp$ Or $\oplus$	Ground(earth)

6.2 Connecting Data

The fixture is equipped with 3-PIN / 5-PIN XLR sockets for DMX IN/OUT. Normally 150 meters is workable for signal cable, and signal amplifier will be necessary if longer than this distance.

Use IP-rated XLR to connect the controller with the fixture or one fixture with another.

Building a serial DMX chain

Connect the DMX data output from the controller to the fixture's data input socket, Connect the DMX output of the first fixture in the DMX chain with the DMX input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

Up to 32 fixtures can be connected to the same DMX link. Terminate the DMX out cable to the last fixture in the data link with a 120Ω DMX resistor.
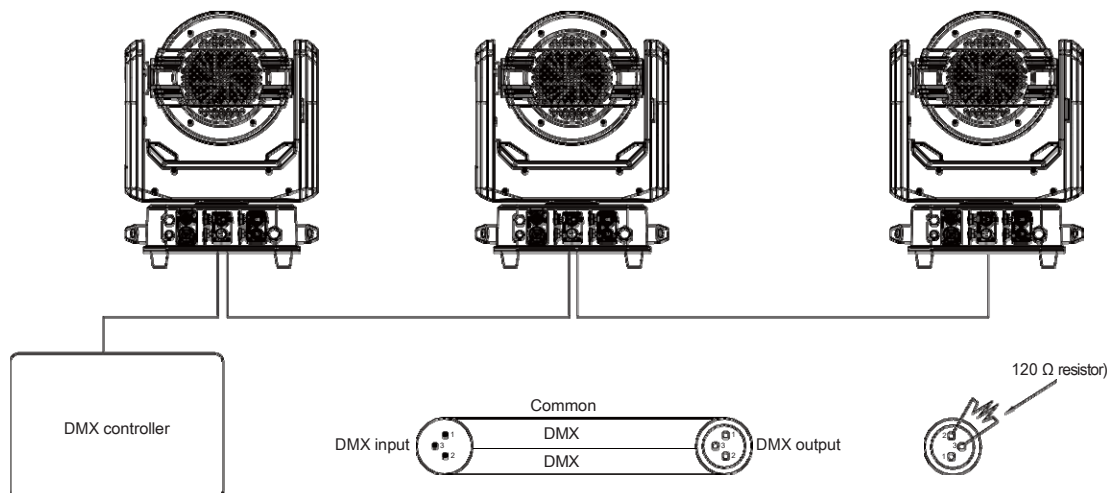
7. Fixture Installation

General Instructions

This fixture is IP65-rated, making it suitable for both indoor and outdoor use. It is designed to be resistant to:

- **Dust** – Prevents dust from entering in amounts that could interfere with operation.
- **Water jets** – Protected against water sprayed from any direction.

Important Safety Notes:

1. Installation and operation must be performed by a qualified professional.
2. The fixture should be installed away from walkways, seating areas, and locations accessible to unauthorized personnel.
3. Never stand directly beneath the fixture during installation, removal, or servicing.

Installation Process

1. Check Equipment Integrity:

- Ensure that all clamps and safety cables are intact before installation.
- The truss or mounting structure must support at least six times the weight of the fixture without deformation.
- An additional safety cable is required and must support at least ten times the fixture's weight to prevent falling in case of clamp failure.
- Do not attach the safety cable to the bracket.
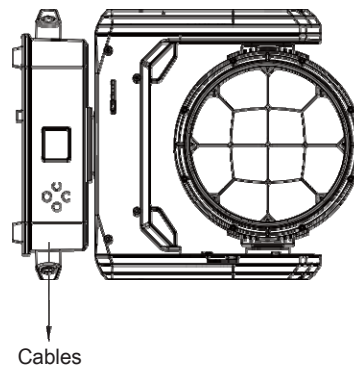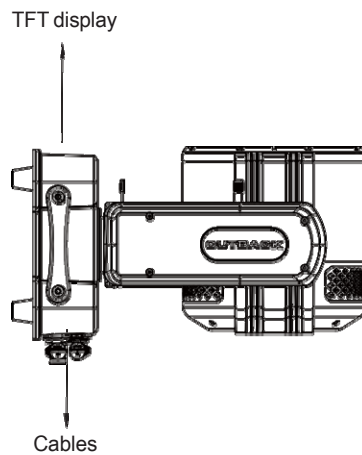
2. Mounting Options:

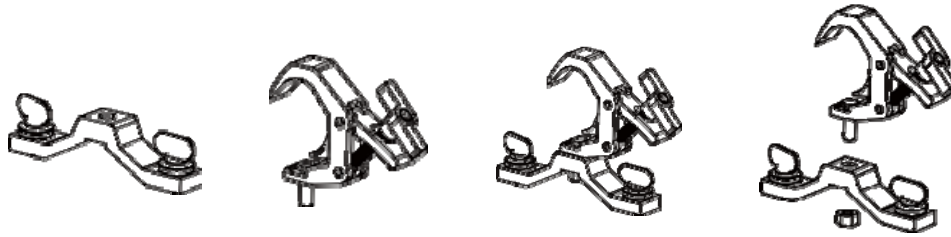The fixture can be installed in three different positions:

- Hanging upside-down
- Mounted sideways on trussing
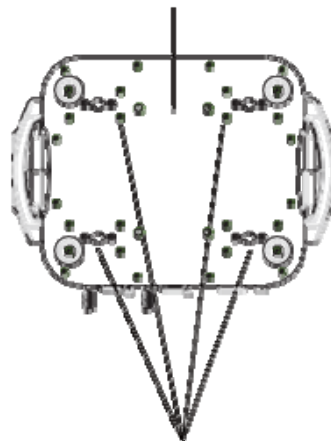- Standing on the floor
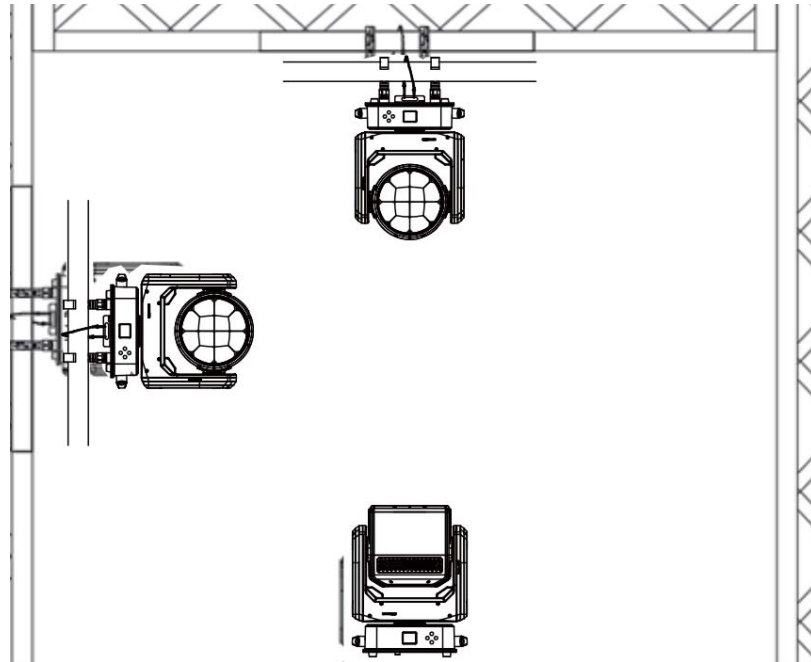
Side Mounting

To maintain the IP65 rating integrity of the fixture, all cables must be towards the ground to prevent water accumulation around connectors.
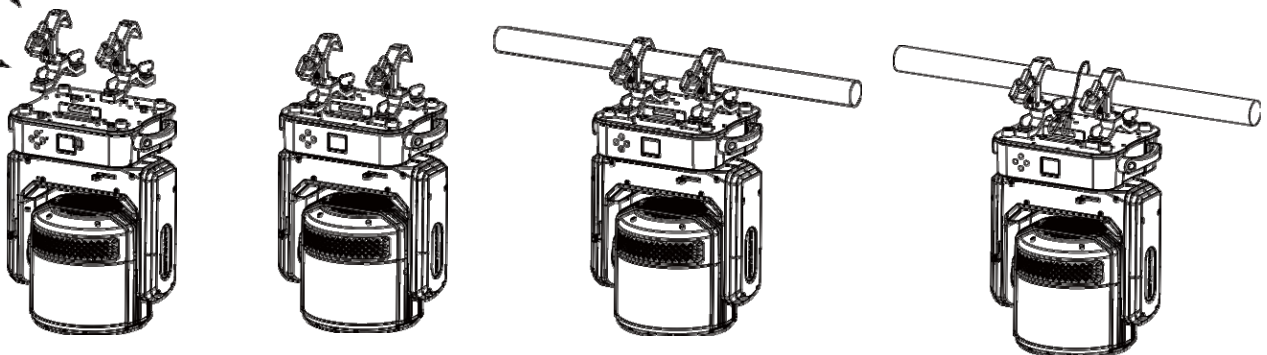
TFT display

Cables

Cables

Safety cable
attachment point

Omega bracket
attachment point

Clamp

Omega
bracket

8. Fixture cleaning

Regular cleaning is essential to maintain the fixture's performance and extend its lifespan. The buildup of dust, dirt, smoke particles, and fog fluid residues can reduce light output and impair cooling efficiency.

The required cleaning frequency depends on the operating environment. Factors that may necessitate more frequent cleaning include:

- Use of smoke or fog machines

- High airflow rates (e.g., near air conditioning vents)

- Airborne dust from stage effects, building structures, fittings, or outdoor environments

If any of these factors are present, inspect the fixture before operation and clean it as needed.

Cleaning Guidelines:

- Perform cleaning in a clean, dry, and well-lit area.

- Use only gentle pressure when cleaning optical components.

- For best results, use water with a mild detergent.

- Do not use alcohol, solvents, or abrasive materials, as they can damage optical components.

- Optical components are delicate and easily scratched—handle with care during cleaning.

Warranty

Please refer to your local dealer or contact Event Lighting.

www.event-lighting.com.au