DELUGEM800HF

Outdoor 800W LED Moving Head Hybrid

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 1.1 (03/07/2025)

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**.
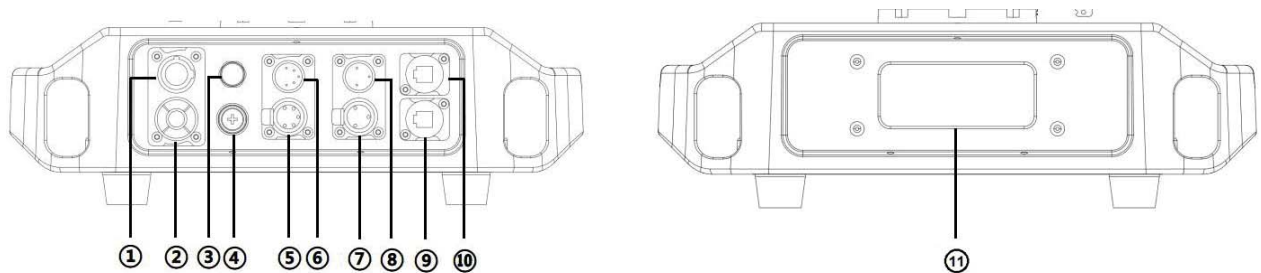
2. Introduction

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)
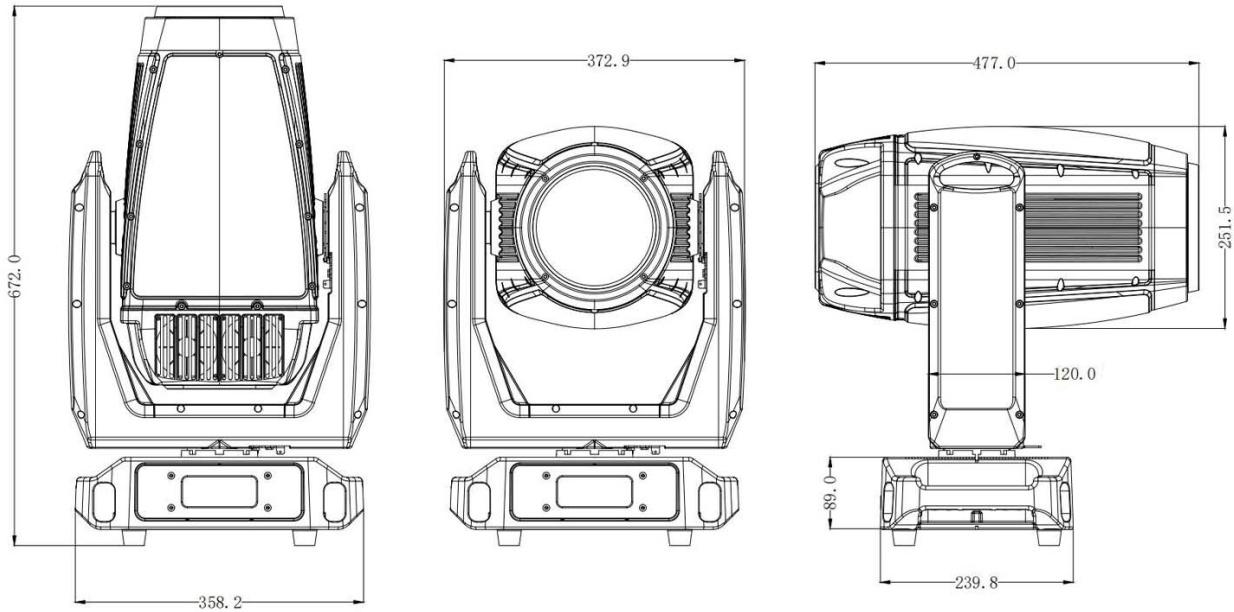
2.3. Overview:

1. Power In (True1)	6. DMX In (5-pin)
2. Power Out (True 1)	7. DMX Out (3-pin)
3. Valve	8. DMX In (3-pin)
4. Fuse	9. Ethernet Out
5. DMX Out (5-pin)	10. Ethernet In

11. Display

2.4. Accessories

Item	Qty	
Omega bracket	2	PCS
Safety cable	1	PCS
Signal cable	1	PCS
Power cable	1	PCS
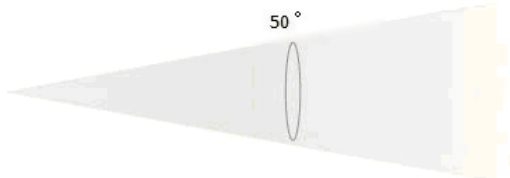
3. Technical Specification

3.1. Specification

AC POWER/ Frequency	100-264Vac; 50/60Hz
Power Consumption	910W
Light Source	800W LED Engine
Colour Temperature	7000K
Optical System	Zoom range: 4.5°- 50°
	Standard Mode: Ra>70
	HCRI Mode: Ra≥90
	Frontal Lens: ø145mm
Colour System	Linear CMY colour mixing
	Linear CTO colour correction: 2,700K-7,000K

Colour System	Colour wheel	5 colours + CRI
Gobo Wheels	Static Gobo	8 gobos + open
	Rotating Gobo	7 gobos + open

Animation Wheel	A graphic animation wheel with continuous rotation in both directions, used alone or in combination with gobos to create the splendid water wave effect, and can be changed into other wheels
Prizm	2 combinable rotating and indexable prisms: 4-facet prism and 4-mirror, rotatable in both directions
Frost	1 combinable medium frost filter

Movement	PAN	540°
	TILT	260°
	Automatic PAN/TILT position correction	

Control, Interface, Programming	Display	4 touch button LCD control panel
	DMX Interface	3-PIN/5-PIN Waterproof XLR In / Out
	Power	True1 Waterproof In / Out
	Data	RJ45 In / Out
	DMX channels	23 / 32S / 32F / 42
	Protocols	DMX 512, RDM, Art -Net, sACN

Housing	IP Rated	IP65
	Dimensions	358.2 x 239.8 x 658mm
	Weight	29 Kg

3.2. LUX Chart：

600BSWF Small Angle			
Lux	121000	46100	18900	13200

4.5°

Distance	5m	8m	10m	15m
Diameter	0.40m	0.64m	0.83m	1.25m

600BSWF Big Angle			
Lux	2250	804	504	266

50°

Distance	5m	8m	10m	15m
Diameter	4.53m	7.35m	9.10m	13.5m

4. Operation

*Press [MENU] button to control menus.

*Press [^UP] and [vDOWN] 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 [^UP], [vDOWN], [MENU] and [ENTER] button in sequence to unlock the screen.

Main functions:

Address	001-512		
Channel Mode	23CH		
	32S CH		
	32F CH		
	42 CH		
Setting	Control Mode	DMX	
		ArtNet	
		sACN	
	ArtNet to 512	No/YES	
	Status Setting	Signal Keep	NO/YES
		Invert Pan	NO/YES
		Invert Tilt	NO/YES
		Move Light	NO/YES
		Screen Keep	15s/30s/1 min/On
	Dimmer Curve	Linear	
		Square	
		I-Square	
		S-Shape	
	Dimmer Speed	Fast	
		Smooth	
	Dimmer Frequency	900Hz / 1200Hz / 2500Hz / 3600Hz 5000Hz / 10KHz / 15KHz / 20KHz / 25KHz	
	Fan Mode	Auto	
		Silent	
		Full	
	Display Setting	Screen Backlight	NO/YES
		Invert Screen	NO/YES
		Screen Lock	NO/YES
		Language	Chinese/English
	Calibration	Pan	001-255
		Tilt	001-255
		...	
		Focus Rot 1~7	001-255
	Load Default	NO/YES	
Network	Network	Ethernet	IP:002.000.000.001
			MS:255.000.000.000
			OK
		Universe	Net(0-127):000
			Sub-Uni:000
Manual	Pan	0-255	
	Pan Fine	0-255	
	Tilt	0-255	
	Tilt Fine	0-255	
	P-T Speed	0-255	
	Cyan	0-255	
	Magenta	0-255	
	Yellow	0-255	
	...	0-255	
	Marco	0-255	
Reset	Reset Effect		
	Reset Scan		
	Reset All		

5. Colour Wheels and Gobos

5.1 Colour Wheel

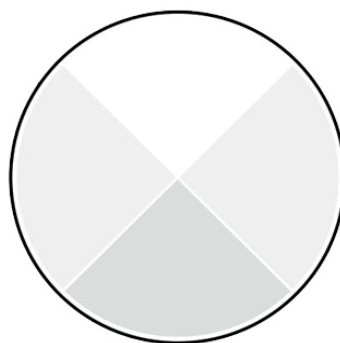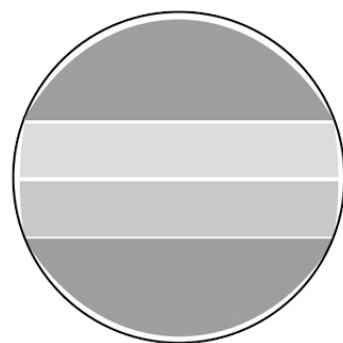|		
Open	◯	White
Colour 1	🔴	Red
Colour 2	🔵	Blue
Colour 3	🟡	Yellow
Colour 4	🟢	Green
Colour 5	🔵	Cyan
Colour 6	⚪	CRI
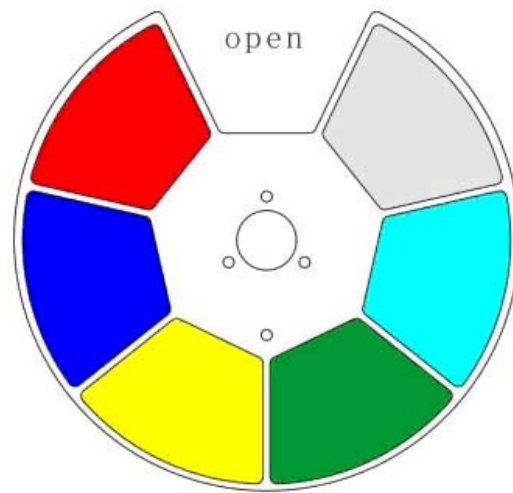
5.2 CMY Wheels

CTO   Yellow   Cyan   Magenta

5.3 Effects Wheel

5.4 Prism System
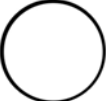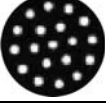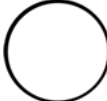
4 facet prism   4-row mirrors

5.2 Fixed Gobo Wheel

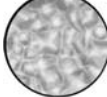| Open	
Gobo 1	
Gobo 2	
Gobo 3	
Gobo 4	
Gobo 5	
Gobo 6	
Gobo 7	
Gobo 8	

5.3 Rotating Gobo Wheel

Open	
Gobo 1	
Gobo 2	
Gobo 3	
Gobo 4	
Gobo 5	
Gobo 6	
Gobo 7	

6. DMX Protocol

23 Channel Mode

CH	FUNCTION	VALUE	Description	
1	PAN	0-255	0°→ 540°	
2	PAN FINE	0-255	16 Bit Adjustable	
3	TILT	0-255	0°→ 270°	
4	TILT FINE	0-255	16 Bit Adjustable	
5	PAN/TILT SPEED	0-255	Fast to Slow	
6	CYAN	0-255	0-100%	
7	Magenta	0-255	0-100%	
8	YELLOW	0-255	0-100%	
9	CTO	0-255	0-100%	
10	CRI	0-127	CRI Filter In	
		128-255	CRI Filter Out	
11	COLOR WHEEL	000 - 005	WHITE	◯
		006 - 115	Color Wheel Indexing	
		116 - 120	WHITE	◯
		121 - 130	Color 1	🔴
		131 - 140	Color 2	🔵
		141 - 150	Color 3	🟡
		151 - 160	Color 4	🟢
		161 - 170	Color 5	🔵
		171 - 192	WHITE	◯
		193 - 223	Counter-Clockwise Rotation, Fast to Slow	
		224 - 224	STOP	
		225 - 255	Clockwise Rotation, Slow to Fast	
12	COLOR WHEEL FINE	0-255	0-100%	
13	IRIS	000 - 225	Iris from large to small	
		226 - 235	Iris slow open fast close from slow to fast	
		236 - 245	Iris slow close fast open from slow to fast	
		246 - 255	Iris slow close fast open from slow to fast	
14	Iris Fine Adjustment	0-255	0-100%	
15	Frost 1	0-127	Frost 1 Off	
		128-255	Frost 1 On	
16	Zoom	0-255	Wide to Narrow	
17	Zoom Fine	0-255	0-100%	
18	Focus	0-255	0-100%	
19	Focus Fine	0-255	0-100%	
20	Strobe	0-3	Open	
		4-99	Synchronized Strobe	

		100-149	Pulse Strobe
		150-199	Flash Strobe
		200-249	Random Strobe
		250-255	Open
21	Dimmer	0-255	0-100%
22	Dimmer Fine	0-255	0-100%
23	Macro	000 - 005	No function
		006 - 010	Turn on display backlight
		011 - 015	Turn off display backlight
		016 - 020	Horizontal reverse open
		021 - 025	Horizontal reverse close
		026 - 030	Vertical reverse open
		031 - 035	Vertical reverse close
		036 - 040	Enable function-LED OFF while moving
		041 - 045	Disable function
		046 - 050	Enable function-When the equipment has no signal access the product's motor will be power-down protection.
		051 - 055	Disable function
		056 - 060	Cooling Mode: Full
		061 - 065	Cooling Mode: Auto
		066 - 070	Cooling Mode: Silent
		071 - 075	Dimmer Curve Linear
		076 - 080	Dimmer Curve Square Law
		081 - 085	Dimmer Curve Inv Square Law
		086 - 090	Dimmer Curve S
		091 - 095	900Hz
		096 - 100	1200Hz
		101 - 105	2500Hz
		106 - 110	3600Hz
		111 - 115	5000Hz
		116 - 120	10KHz
		121 - 125	15KHz
		126 - 130	20KHz
		131 - 135	25KHz
		136 - 140	No function
		141 - 145	
		146 - 150	Dimmer Speed Smooth
		151 - 155	Dimmer Speed Fast
		156 - 160	Reset Pan/Tilt
		161 - 165	Reset Effect
		166 - 170	Reset All
		171 - 255	No function

32S Channel Mode

CH	FUNCTION	VALUE	Description	
1	PAN	0-255	0°→ 540°	
2	PAN FINE	0-255	16 Bit Adjustable	
3	TILT	0-255	0°→ 270°	
4	TILT FINE	0-255	16 Bit Adjustable	
5	PAN/TILT SPEED	0-255	Fast to Slow	
6	CYAN	0-255	0-100%	
7	Magenta	0-255	0-100%	
8	YELLOW	0-255	0-100%	
9	CTO	0-255	0-100%	
10	CRI	0-127	CRI Filter In	
		128-255	CRI Filter Out	
11	COLOR WHEEL	000 - 005	WHITE	◯
		006 - 115	Color Wheel Indexing	
		116 - 120	WHITE	◯
		121 - 130	Color 1	🔴
		131 - 140	Color 2	🔵
		141 - 150	Color 3	🟡
		151 - 160	Color 4	🟢
		161 - 170	Color 5	🔵
		171 - 192	WHITE	◯
		193 - 223	Counter-Clockwise Rotation, Fast to Slow	
		224 - 224	STOP	
		225 - 255	Clockwise Rotation, Slow to Fast	
12	COLOR WHEEL FINE	0-255	0-100%	
13	IRIS	000 - 225	Iris from large to small	
		226 - 235	Iris slow open fast close from slow to fast	
		236 - 245	Iris slow close fast open from slow to fast	
		246 - 255	Iris slow close fast open from slow to fast	
14	Iris Fine Adjustment	0-255	0-100%	
15	Frost 1	0-127	Frost 1 Off	
		128-255	Frost 1 On	
16	Zoom	0-255	Wide to Narrow	
17	Zoom Fine	0-255	0-100%	
18	Focus	0-255	0-100%	
19	Focus Fine	0-255	0-100%	
20	Strobe	0-3	Open	
		4-99	Synchronized Strobe	
		100-149	Pulse Strobe	
		150-199	Flash Strobe	
		200-249	Random Strobe	
		250-255	Open	
21	Dimmer	0-255	0-100%	
22	Dimmer Fine	0-255	0-100%	
23	BLADE	0-255	0°-180°	

24	BLADE DW 1	0-255	0%-100%
25	BLADE DW 2	0-255	0%-100%
26	BLADE UP 1	0-255	0%-100%
27	BLADE UP 2	0-255	0%-100%
28	BLADE LF 1	0-255	0%-100%
29	BLADE LF 2	0-255	0%-100%
30	BLADE RG 1	0-255	0%-100%
31	BLADE RG 2	0-255	0%-100%
32	Macro	000 - 005	No function
		006 - 010	Turn on display backlight
		011 - 015	Turn off display backlight
		016 - 020	Horizontal reverse open
		021 - 025	Horizontal reverse close
		026 - 030	Vertical reverse open
		031 - 035	Vertical reverse close
		036 - 040	Enable function-LED OFF while moving
		041 - 045	Disable function
		046 - 050	Enable function-When the equipment has no signal access the product's motor will be power-down protection.
		051 - 055	Disable function
		056 - 060	Cooling Mode: Full
		061 - 065	Cooling Mode: Auto
		066 - 070	Cooling Mode: Silent
		071 - 075	Dimmer Curve Linear
		076 - 080	Dimmer Curve Square Law
		081 - 085	Dimmer Curve Inv Square Law
		086 - 090	Dimmer Curve S
		091 - 095	900Hz
		096 - 100	1200Hz
		101 - 105	2500Hz
		106 - 110	3600Hz
		111 - 115	5000Hz
		116 - 120	10KHz
		121 - 125	15KHz
		126 - 130	20KHz
		131 - 135	25KHz
		136 - 140	No function
		141 - 145	
		146 - 150	Dimmer Speed Smooth
		151 - 155	Dimmer Speed Fast
		156 - 160	Reset Pan/Tilt
		161 - 165	Reset Effect
		166 - 170	Reset All
		171 - 255	No function

32F Channel Mode

CH	FUNCTION	VALUE	Description	
1	PAN	0-255	0°→ 540°	
2	PAN FINE	0-255	16 Bit Adjustable	
3	TILT	0-255	0°→ 270°	
4	TILT FINE	0-255	16 Bit Adjustable	
5	PAN/TILT SPEED	0-255	Fast to Slow	
6	CYAN	0-255	0-100%	
7	Magenta	0-255	0-100%	
8	YELLOW	0-255	0-100%	
9	CTO	0-255	0-100%	
10	CRI	0-127	CRI Filter In	
		128-255	CRI Filter Out	
11	COLOR WHEEL	000 - 005	WHITE	◯
		006 - 115	Color Wheel Indexing	
		116 - 120	WHITE	◯
		121 - 130	Color 1	🔴
		131 - 140	Color 2	🔵
		141 - 150	Color 3	🟡
		151 - 160	Color 4	🟢
		161 - 170	Color 5	🔵
		171 - 192	WHITE	◯
		193 - 223	Counter-Clockwise Rotation, Fast to Slow	
		224 - 224	STOP	
		225 - 255	Clockwise Rotation, Slow to Fast	
12	COLOR WHEEL FINE	0-255	0-100%	
13	Animation GOBO	0-7	WHITE	◯
		8-20	Gobo 1	
		21-33	Gobo 2	
		34-46	Gobo 3	
		47-59	Gobo 4	
		60-72	Gobo 5	
		73-85	Gobo 6	
		86-98	Gobo 7	
		99-111	Gobo 1 Shaking, Slow to Fast	

		112-124	Gobo 2 Shaking, Slow to Fast	
		125-137	Gobo 3 Shaking, Slow to Fast	
		138-150	Gobo 4 Shaking, Slow to Fast	
		151-163	Gobo 5 Shaking, Slow to Fast	
		164-176	Gobo 6 Shaking, Slow to Fast	
		177-189	Gobo 7 Shaking, Slow to Fast	
		190-221	Counter-Clockwise Rotation, Fast to Slow	
		222-223	Stop	
		224-255	Clockwise Rotation, Slow to Fast	
14	R-GOBO Animation GOBO	0-127	Index 0°- 360°	
		128-189	Counter-Clockwise Rotation, Fast to Slow	
		190-193	Stop	
		194-255	Clockwise Rotation, Slow to Fast	
15	R-GOBO Animation GOBO FINE	0-255	0-100%	
		0-5	WHITE	
		6-16	Gobo 1	
		17-27	Gobo 2	
		28-38	Gobo 3	
		39-49	Gobo 4	
		50-60	Gobo 5	
		61-71	Gobo 6	
		72-82	Gobo 7	
		83-93	Gobo 8	
		94-105	Gobo 1 Shaking, Slow to Fast	
		106-117	Gobo 2 Shaking, Slow to Fast	
		118-129	Gobo 3 Shaking, Slow to Fast	
16	Fixed GOBO	130-141	Gobo 4 Shaking, Slow to Fast	
		142-153	Gobo 5 Shaking, Slow to Fast	
		154-165	Gobo 6 Shaking, Slow to Fast	
		166-177	Gobo 7 Shaking, Slow to Fast	
		178-189	Gobo 8 Shaking, Slow to Fast	
		190-221	Counter-Clockwise Rotation, Fast to Slow	
		222-223	Stop	
		224-255	Clockwise Rotation, Slow to Fast	
		0-7	Open	
		8-129	Counter-Clockwise Rotation, Fast to Slow	

17	Effects GOBO	130-133	Stop
		134-255	Clockwise Rotation, Slow to Fast
18	IRIS	000 - 225	Iris from large to small
		226 - 235	Iris slow open fast close from slow to fast
		236 - 245	Iris slow close fast open from slow to fast
		246 - 255	Iris slow close fast open from slow to fast
19	IRIS FINE	0-255	0-100%
20	PRISM 1	0-7	Prism 1 IN
		8-255	Prism 1 OUT
21	R-PRISM 1	0-127	Index 0°- 360°
		128-189	Counter-Clockwise Rotation, Fast to Slow
		190-193	Stop
		194-255	Clockwise Rotation, Slow to Fas
22	PRISM 2	0-7	Prism 2 In
		8-255	Prism 2 OUT
23	R-PRISM 2	0-127	Index 0°- 360°
		128-189	Counter-Clockwise Rotation, Fast to Slow
		190-193	Stop
		194-255	Clockwise Rotation, Slow to Fas
24	Frost 1	0-127	Frost 1 Off
		128-255	Frost 1 On
25	Zoom	0-255	Wide to Narrow
26	Zoom Fine	0-255	0-100%
27	Focus	0-255	0-100%
28	Focus Fine	0-255	0-100%
29	Strobe	0-3	Open
		4-99	Synchronized Strobe
		100-149	Pulse Strobe
		150-199	Flash Strobe
		200-249	Random Strobe
		250-255	Open
30	Dimmer	0-255	0-100%
31	Dimmer Fine	0-255	0-100%
32	Macro	000 - 005	No function
		006 - 010	Turn on display backlight
		011 - 015	Turn off display backlight
		016 - 020	Horizontal reverse open
		021 - 025	Horizontal reverse close
		026 - 030	Vertical reverse open
		031 - 035	Vertical reverse close
		036 - 040	Enable function-LED OFF while moving
		041 - 045	Disable function

		046 - 050	Enable function-When the equipment has no signal access the product's motor will be power-down protection.
32	Macro	051 - 055	Disable function
		056 - 060	Cooling Mode: Full
		061 - 065	Cooling Mode: Auto
		066 - 070	Cooling Mode: Silent
		071 - 075	Dimmer Curve Linear
		076 - 080	Dimmer Curve Square Law
		081 - 085	Dimmer Curve Inv Square Law
		086 - 090	Dimmer Curve S
		091 - 095	900Hz
		096 - 100	1200Hz
		101 - 105	2500Hz
		106 - 110	3600Hz
		111 - 115	5000Hz
		116 - 120	10KHz
		121 - 125	15KHz
		126 - 130	20KHz
		131 - 135	25KHz
		136 - 140	No function
		141 - 145	
		146 - 150	Dimmer Speed Smooth
		151 - 155	Dimmer Speed Fast
		156 - 160	Reset Pan/Tilt
		161 - 165	Reset Effect
		166 - 170	Reset All
		171 - 255	No function

42 Channel Mode

CH	FUNCTION	VALUE	Description	
1	PAN	0-255	0°→ 540°	
2	PAN FINE	0-255	16 Bit Adjustable	
3	TILT	0-255	0°→ 270°	
4	TILT FINE	0-255	16 Bit Adjustable	
5	PAN/TILT SPEED	0-255	Fast to Slow	
6	CYAN	0-255	0-100%	
7	Magenta	0-255	0-100%	
8	YELLOW	0-255	0-100%	
9	CTO	0-255	0-100%	
10	CRI	0-127	CRI Filter In	
		128-255	CRI Filter Out	
11	COLOR WHEEL	000 - 005	WHITE	⚪
		006 - 115	Color Wheel Indexing	
		116 - 120	WHITE	⚪
		121 - 130	Color 1	🔴
		131 - 140	Color 2	🔵
		141 - 150	Color 3	🟡
		151 - 160	Color 4	🟢
		161 - 170	Color 5	🔵
		171 - 192	WHITE	⚪
		193 - 223	Counter-Clockwise Rotation, Fast to Slow	
		224 - 224	STOP	
		225 - 255	Clockwise Rotation, Slow to Fast	
12	COLOR WHEEL FINE	0-255	0-100%	
13	Animation GOBO	0-7	WHITE	⚪
		8-20	Gobo 1	
		21-33	Gobo 2	
		34-46	Gobo 3	
		47-59	Gobo 4	
		60-72	Gobo 5	
		73-85	Gobo 6	
		86-98	Gobo 7	
		99-111	Gobo 1 Shaking, Slow to Fast	

		112-124	Gobo 2 Shaking, Slow to Fast
		125-137	Gobo 3 Shaking, Slow to Fast
		138-150	Gobo 4 Shaking, Slow to Fast
		151-163	Gobo 5 Shaking, Slow to Fast
		164-176	Gobo 6 Shaking, Slow to Fast
		177-189	Gobo 7 Shaking, Slow to Fast
		190-221	Counter-Clockwise Rotation, Fast to Slow
		222-223	Stop
		224-255	Clockwise Rotation, Slow to Fast
14	R-GOBO Animation GOBO	0-127	Index 0°- 360°
		128-189	Counter-Clockwise Rotation, Fast to Slow
		190-193	Stop
		194-255	Clockwise Rotation, Slow to Fast
15	R-GOBO Animation GOBO FINE	0-255	0-100%
16	Fixed GOBO	0-5	White
		6-16	Gobo 1
		17-27	Gobo 2
		28-38	Gobo 3
		39-49	Gobo 4
		50-60	Gobo 5
		61-71	Gobo 6
		72-82	Gobo 7
		83-93	Gobo 8
		94-105	Gobo 1 Shaking, Slow to Fast
		106-117	Gobo 2 Shaking, Slow to Fast
		118-129	Gobo 3 Shaking, Slow to Fast
		130-141	Gobo 4 Shaking, Slow to Fast
		142-153	Gobo 5 Shaking, Slow to Fast
		154-165	Gobo 6 Shaking, Slow to Fast
		166-177	Gobo 7 Shaking, Slow to Fast
		178-189	Gobo 8 Shaking, Slow to Fast
		190-221	Counter-Clockwise Rotation, Fast to Slow
		222-223	Stop
		224-255	Clockwise Rotation, Slow to Fast
		0-7	Effects Gobo Out
		7-63	Fixed Angle

17	Effects GOBO	64-126	Counter-Clockwise Rotation, Fast to Slow
		127-128	Stop
		129-191	Clockwise Rotation, Slow to Fast
		192-255	Gobo Shaking, Slow to Fast
18	IRIS	000 - 225	Iris from large to small
		226 - 235	Iris slow open fast close from slow to fast
		236 - 245	Iris slow close fast open from slow to fast
		246 - 255	Iris slow close fast open from slow to fast
19	IRIS FINE	0-255	0-100%
20	PRISM 1	0-7	Prism 1 IN
		8-255	Prism 1 OUT
21	R-PRISM 1	0-127	Index 0°- 360°
		128-189	Counter-Clockwise Rotation, Fast to Slow
		190-193	Stop
		194-255	Clockwise Rotation, Slow to Fas
22	PRISM 2	0-7	Prism 2 In
		8-255	Prism 2 OUT
23	R-PRISM 2	0-127	Index 0°- 360°
		128-189	Counter-Clockwise Rotation, Fast to Slow
		190-193	Stop
		194-255	Clockwise Rotation, Slow to Fas
24	Frost 1	0-127	Frost 1 Off
		128-255	Frost 1 On
25	Zoom	0-255	Wide to Narrow
26	Zoom Fine	0-255	0-100%
27	Focus	0-255	0-100%
28	Focus Fine	0-255	0-100%
29	Strobe	0-3	Open
		4-99	Synchronized Strobe
		100-149	Pulse Strobe
		150-199	Flash Strobe
		200-249	Random Strobe
		250-255	Open
30	Dimmer	0-255	0-100%
31	Dimmer Fine	0-255	0-100%
32	BLADE	0-255	0°-180°
33	BLADE FINE	0-256	0-100%
34	BLADE DW 1	0-255	0%-100%
35	BLADE DW 2	0-255	0%-100%
36	BLADE UP 1	0-255	0%-100%
37	BLADE UP 2	0-255	0%-100%

38	BLADE LF 1	0-255	0%-100%
39	BLADE LF 2	0-255	0%-100%
40	BLADE RG 1	0-255	0%-100%
41	BLADE RG 2	0-255	0%-100%
42	Macro	000 - 005	No function
		006 - 010	Turn on display backlight
		011 - 015	Turn off display backlight
		016 - 020	Horizontal reverse open
		021 - 025	Horizontal reverse close
		026 - 030	Vertical reverse open
		031 - 035	Vertical reverse close
		036 - 040	Enable function-LED OFF while moving
		041 - 045	Disable function
		046 - 050	he equipment has no signal access the product's motor will be power-down protection.
		051 - 055	Disable function
		056 - 060	Cooling Mode: Full
		061 - 065	Cooling Mode: Auto
		066 - 070	Cooling Mode: Silent
		071 - 075	Dimmer Curve Linear
		076 - 080	Dimmer Curve Square Law
		081 - 085	Dimmer Curve Inv Square Law
		086 - 090	Dimmer Curve S
		091 - 095	900Hz
		096 - 100	1200Hz
		101 - 105	2500Hz
		106 - 110	3600Hz
		111 - 115	5000Hz
		116 - 120	10KHz
		121 - 125	15KHz
		126 - 130	20KHz
		131 - 135	25KHz
		136 - 140	No function
		141 - 145	
		146 - 150	Dimmer Speed Smooth
		151 - 155	Dimmer Speed Fast
		156 - 160	Reset Pan/Tilt
		161 - 165	Reset Effect
		166 - 170	Reset All
		171 - 255	No function

7. 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 910W.

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 colour code as below:

Cable	Colour (US)	Cable	Colour (EU)	Symbol	Conductor
	Black		Brown	L	Live
	White		Blue	N	Neutral
	Green		Yello/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 a 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 of the last fixture in the data link with a 120Ω DMX terminator.
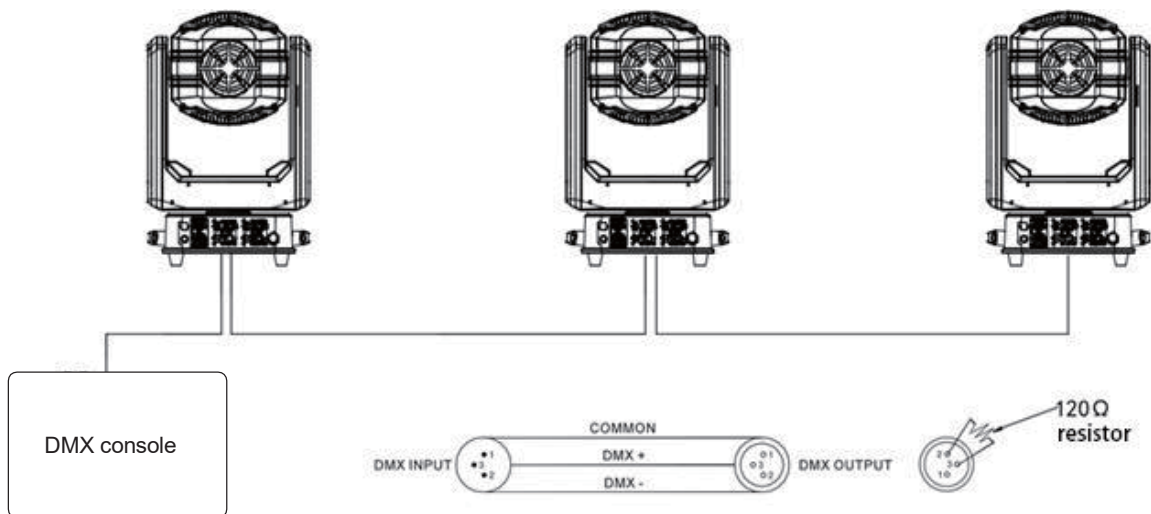
8. Installation

8.1. 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.

7.2 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:

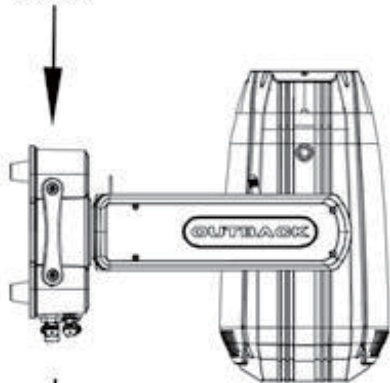The fixture can be installed in three different positions:

- Hanging upside-down
- Mounted sideways on trussing
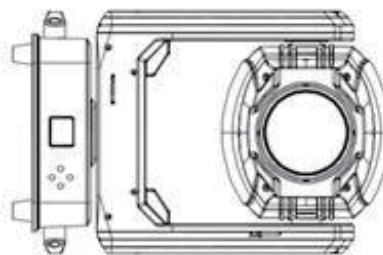- Standing on the floor
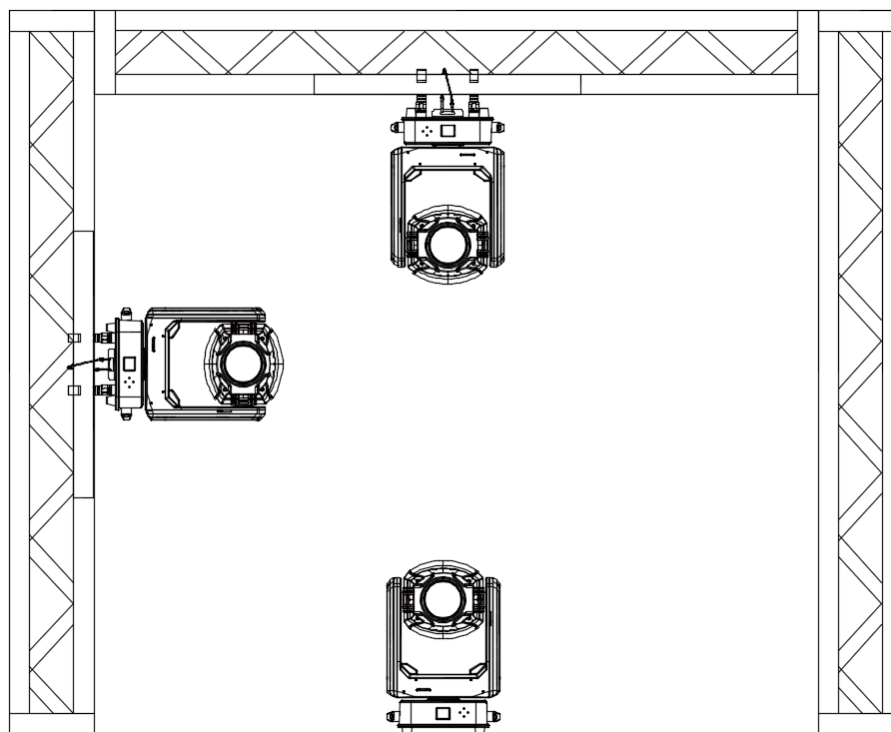
| ⚠ Side Mounting	To maintain the IP65 rating integrity of the fixture, all cables must be towards the ground to prevent water accumulation around connectors.

TFT display

Cables

Cables

Warning!

•   DO install and operate by qualified operator. Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas were unauthorized personnel might reach the fixture by hand. NEVER stand directly below the fixture(s) when rigging, removing or servicing.

•   Always ensure that the unit is firmly fixed to avoid vibration and slipping off during operation. Ensure that the trussing or area of installation must be able to hold 10 times the weight without any deformation. Always attach a safety cable that can hold at least 12 times the weight of the fixture whenever installing this fixture in a suspended environment to ensure that the fixture will not fall if the clamp fails.
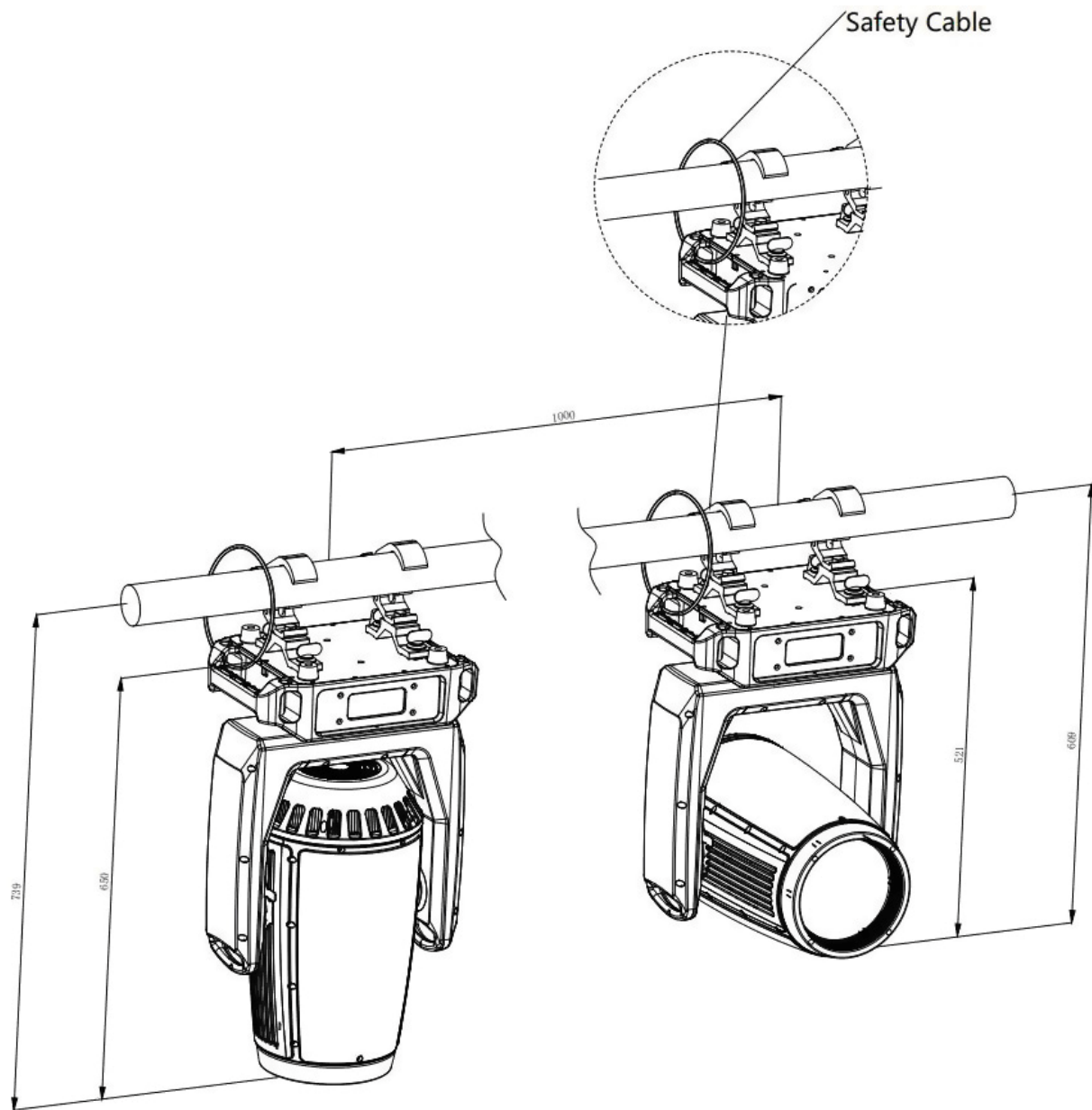
Omega Brackets Setup
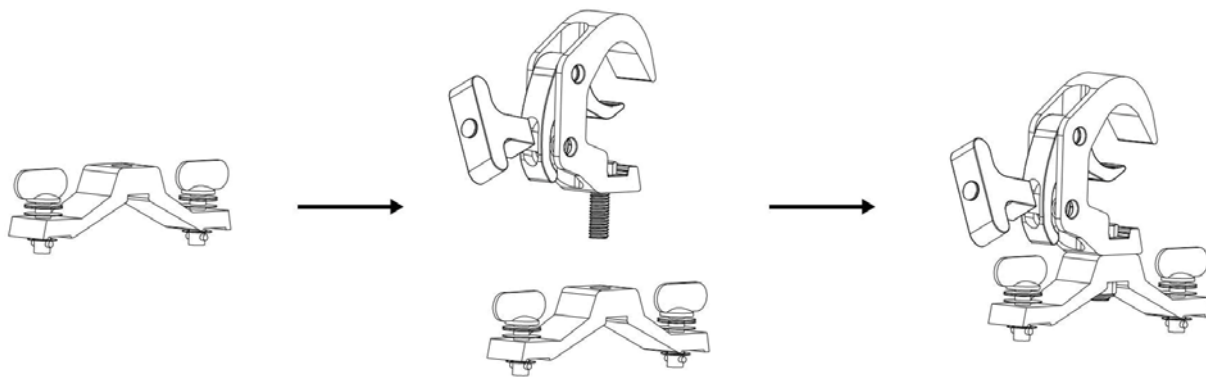
Omega Bracket Attachment Points
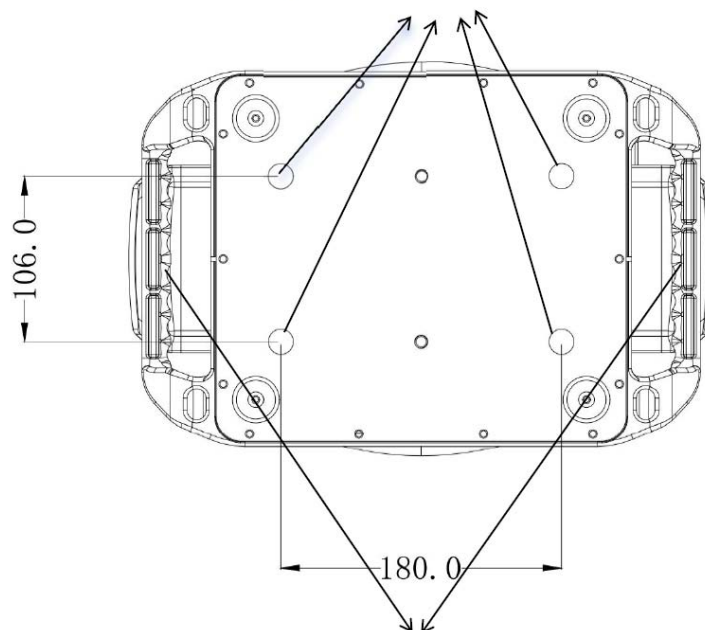
Safety Cable Attachment Points

Safety Cable

9. 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