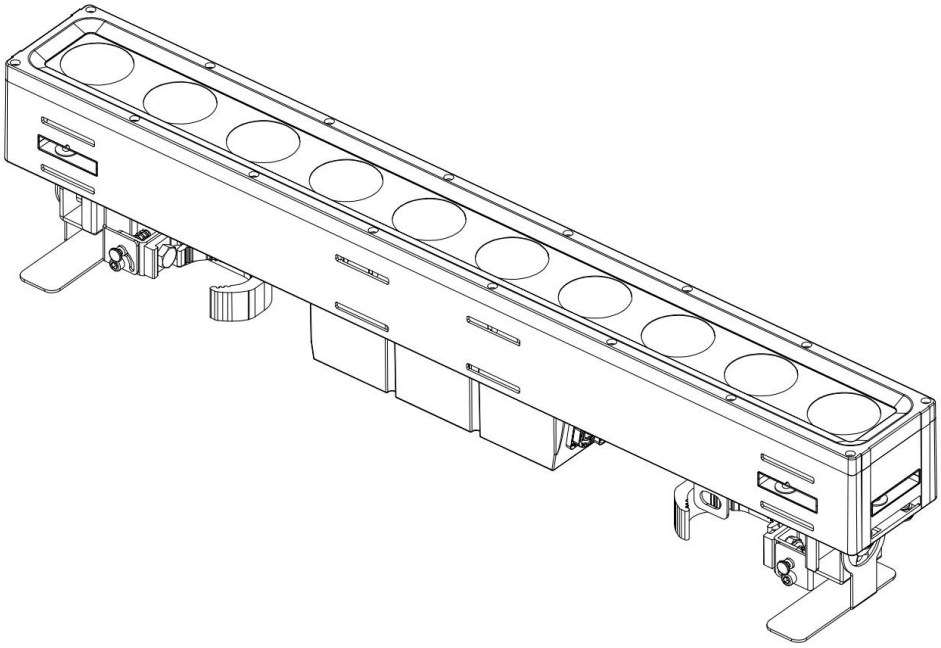
L9



User Manual

1. Safety Instructions

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

- Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- This product is suitable for wet locations. Do not immerse in water.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
- Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: 0℃. Maximum ambient temperature TA: 40℃. Do not operate this product at a lower or higher temperature.
- DO NOT connect the device to any dimmer pack
- Keep flammable materials away from the fixture while operating to avoid fire hazard.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged
- Unit's surface temperature may reach up to 65℃. DO NOT touch the housing bare-handed during its operation
- Avoid any flammable liquids, water or metal from entering the unit.
- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 0.5 meters.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged

- DO NOT open the housing as there are no user serviceable parts inside.
- DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect this product from its power source before servicing.
- DO use the original packaging if the device is to be transported.
- Avoid direct eye exposure to the light source while the product is on.
- DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

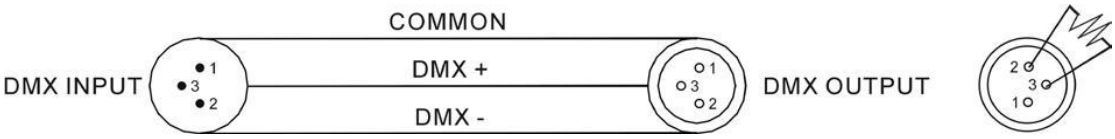
2.INSTALLATIONS

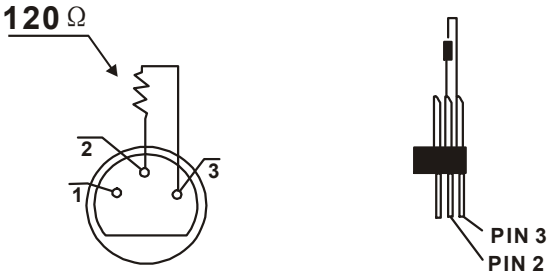
- installations Note: In order to increase protection, please install the lamp on the sidewalk, outside the seating area, or an area where unauthorized persons may touch the led
- Before installing the fixture on any surface, make sure that the installation area can bear the minimum point load above 10 points of the weight of the equipment. The installation of the fixing device must always be fixed with auxiliary safety accessories (such as a suitable safety rope) Do not stand directly under the equipment when installing, removing, or servicing fixtures
- Ensure thatthis fixture is kept at least 0.5m (1.5 feet) away from any flammable materials(decorations, etc.)
- Be sure to use and install the supplied safety rope to ensure safety and prevent accidental damage and/or injury in case the fixture is damaged Installation point: Overhead installation requires a wealth of experience, including calculation of working load limits, in-depth understanding of the installation materials used, and regular safety inspections of all installation materials and fixtures. If you do not have these qualifications, please do not try to install it yourself. Improper installation can cause personal injury Before connecting the main power cord to an appropriate wall outlet,make sure to complete all assembly and installation procedures

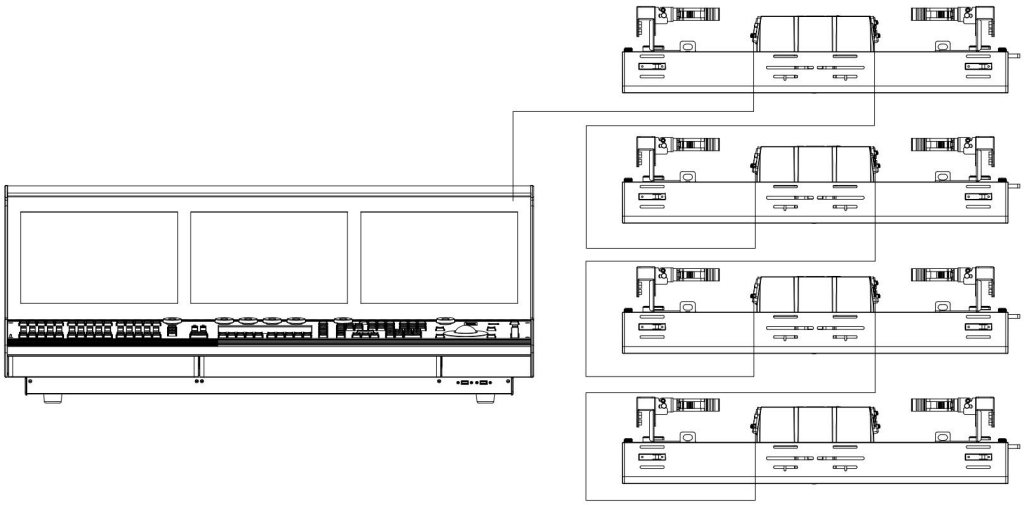
3. DMX-512 control connections

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving heads be connected together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors.
For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control

signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below







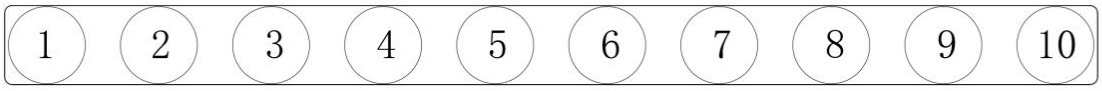
4.Address code setting

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.
Press the MENU button to enter menu mode, select DMX Settings, press the ENTER button to confirm, use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will blink in the display, use the UP/DOWN button to adjust the address from 001 to 512, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle 30 seconds to exit menu mode.Please refer to the following diagram to address your DMX512 channel for the first 4 units.

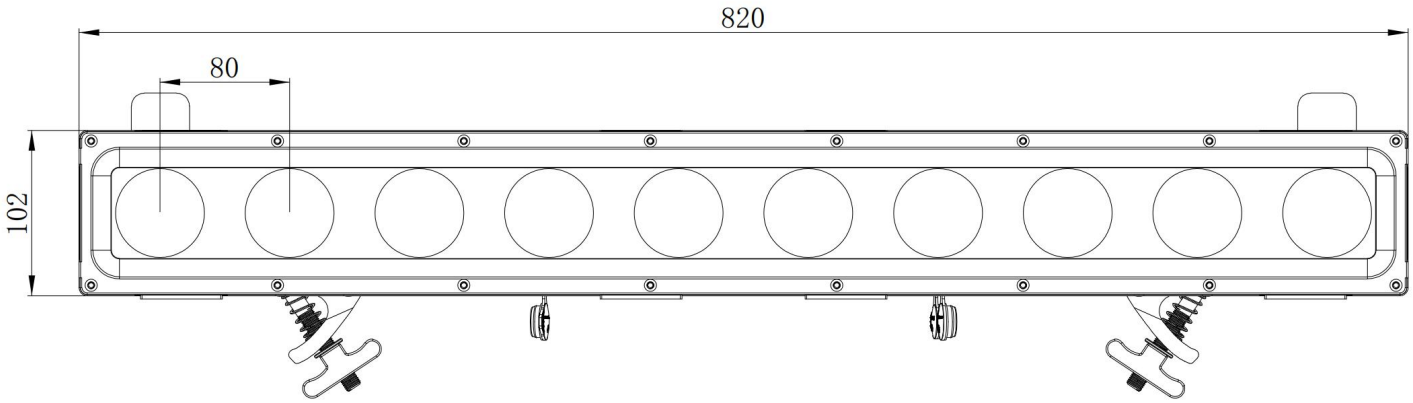
Channel MODE	UNIT1 ADDERSS	UNIT2 ADDERSS	UNIT3 ADDERSS	UNIT4 ADDERSS
14CH	**1.1**	**1.15**	**1.29**	**1.43**
55CH	**1.1**	**1.56**	**1.111**	**1.167**

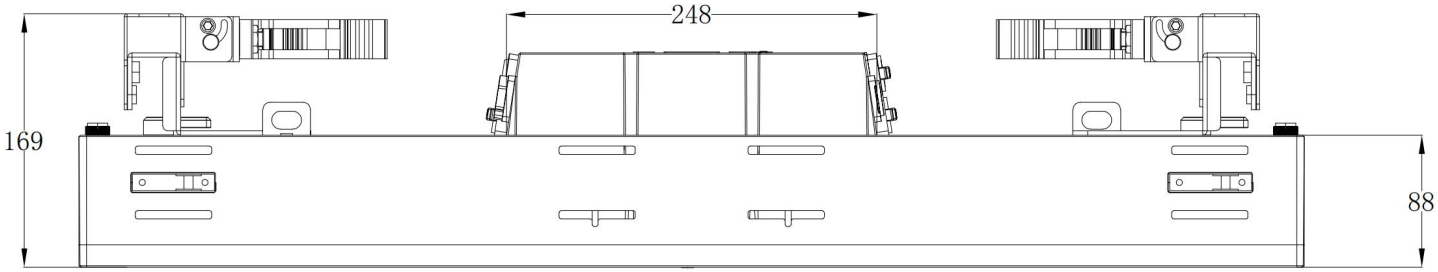
5. LED PIXEL ZONES

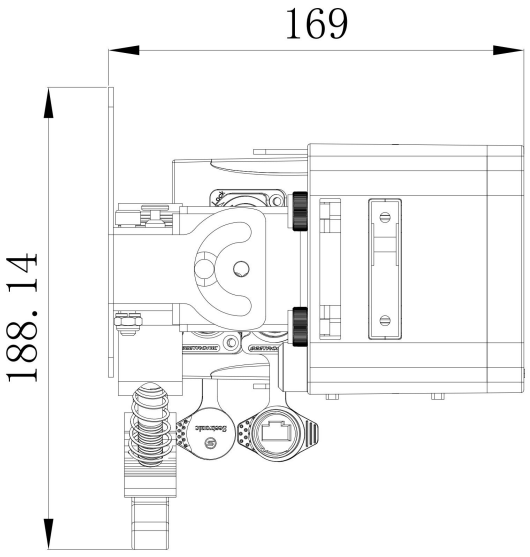
55CH LED PIXEL ZONES



6. Fixture size







7. LED technical parameters

Input voltage: 100-240V, 50/60Hz
Power consumption: 600W
Power supply: 800W
Light source: 10PCSx150W RGBAWW5IN1 LED
Color System: Excellent Color Macro Effects
Powerful color mixing effect
Rich dynamic color effects
Pixel matrix: 10 LED beads can be controlled at a single point
LED lifespan:>20000 hours
Fresnel thread mirror: 30 °
CCT:2500k-8000k
DMX channel: 14/55 channels
Operation mode: DMX512、 Automatic, master-slave/ RDM (area net optional)
Dimmer: 0-100% smooth linear dimming
Dimming curves: linear, square law, inverse square law, S-curve
Dimming speed: fast, slow
Multiple dimming frequency settings
Strobe: 1-30HZ strong output flicker effect
Display: OLED display
Built in splicing buckle for quick splicing and alignment
Signal input/output: 3-pin and 5-pin waterproof XLR sockets (optional ARE-NET)
Power socket: Waterproof power connector input/output
Protection level: IP66
Size: 820x102x169mm
Net weight: 9.5kg

Feature:

The 10pcs150W RGBAWW LED light source provides excellent color effects and dynamic color macro effects, with uniform and bright color mixing effects on the spot. It also has a strong strobe effect. Always prioritize the use of warm white effects to provide more lighting solutions for performances. Built in splicing buckle allows for quick splicing and alignment. Each bead color can be independently controlled. Maximizing customer satisfaction with usage requirements.

8.LCD Homepage Instructions

Main Menu	First level menu	Secondary menu	Third level menu
DMX Address	000-255		
Channel Mode	14/55		
Run	DMX		
	Auto		
Settings	Master/remote	Slave/master	
	Dim Curve	Linear	
		Square Law	
		Inv SQ Law	
		S Curve	
	Dim speed	fast	
		Tungsten	
		slow	
	Pixelv inversion	NO/Yes	
	Frequency setting	NO/Yes	
	Fan control	Auto/silent/high	
	Dim Start Mode	High/slow	
	Lost signal	Keep/off	
	Return		
DMX manual	shutter	000-255	
	dimmer	000-255	
	white	000-255	
	...	...	
	...	...	
	Auto Exit	10sec/...	
	KEEP	YES/NO	
	Return		
ADV Set	Fine Adj	xxxx	
	Fine Adj Assist	recover	xxxx
		Show backup	
	Display set	sleep	30s/...
		invert	N/Y
		Display lock	Off/on
		Display	On/off
		Return	
	language	ENG/中文	
	Recover settings	NO/yes	
	return		

Factory set	xxxx		
Info	DMX monitor	DMX value1-32	
		DMX value33-64	
	FPS	XXX	
	TOTAL Chns	000	
	Return		
	Security	xxx	
	LED usage time	current	xxx
		total	xxx
		Ignite ties	000
		clear	
		return	
	Test	xxx	
	Error	xxx	
	vers	xxx	
	return		

9. DMX Channel

14CH

CH	DMX	Explanation
1		**Function**
	0-29	Null
	30-39	Dimmer Curve: Linear
	40-49	Dimmer Curve: Square Law
	50-59	Dimmer Curve: Inv SQ Law
	60-69	Dimmer Curve: S Curve
	70-79	Fan silent
	80-89	Fan Auto
	90-99	Fan High
	100-109	LED frequency setting
	110-119	LED frequency off setting
	120-122	Null
	123	1k
	124	2k
	125	3k
	126	4k

	127	6k
	128	8k
	129	10k
	130	12k
	131	14k
	132	15k
	133	16k
	134	20k
	135	25k
	136	30k
	137	32k
	138-179	Null
	180-189	Dimmer Speed: Fast
	190-199	Dimmer Speed: Smooth
	200-209	Dimmer Speed: Tungsten
	210-219	Invert Pixel: No
	220-229	Invert Pixel: Yes
	230	Dim Start Mode：High
	231	Dim Start Mode：slow
	232-255	Null
2		**NO Function**
3		**Strobe**
	0-7	Close
	8-15	Open
	16-131	Strobe from Slow to Fast
	132-139	Open
	140-181	Fast Open Slow Close from Slow to Fast
	182-189	Open
	190-231	Slow Open Fast Close from Slow to Fast
	232-239	Open
	240-247	Random Strobe from Slow to Fast
	248-255	Close
4	0-255	**Dimmer**
5	0-255	**Dimmer fine**
6	0-255	**Warm White**
7	0-255	**Red**
8	0-255	**Green**
9	0-255	**Blue**

10	0-255	**Amber**
11		**CCT（8000）**
	0-4	Null
	5-9	8000K
	10-13	7800K
	14-18	7700K
	19-22	7600K
	23-27	7500K
	28-31	7400K
	32-36	7300K
	37-40	7200K
	41-45	7100K
	46-49	7000K
	50-54	6900K
	55-58	6800K
	59-63	6700K
	64-67	6600K
	68-72	6500K
	73-76	6400K
	77-81	6300K
	82-85	6200K
	86-90	6100K
	91-94	6000K
	95-99	5900K
	100-103	5800K
	104-108	5700K
	109-112	5600K
	113-117	5500K
	118-121	5400K
	122-126	5300K
	127-130	5200K
	131-135	5100K
	136-139	5000K
	140-144	4900K
	145-148	4800K
	149-153	4700K
	154-157	4600K
	158-162	4500K
	163-166	4400K
	167-171	4300K
	172-175	4200K
	176-180	4100K
	181-184	4000K

	185-189	3900K
	190-193	3800K
	194-198	3700K
	199-202	3600K
	203-207	3500K
	208-211	3400K
	212-216	3300K
	217-220	3200K
	221-225	3100K
	226-229	3000K
	230-234	2900K
	235-238	2800K
	239-243	2700K
	244-247	2600K
	248-255	2500K
12		**COLOR MACRO**
	0-9	Null
	10-16	LEE 790 – Moroccan Pink
	17-23	LEE 157 – Pink
	24-30	LEE 332 – Special Rose Pink
	31-37	LEE 328 – Follies Pink
	38-44	LEE 345 – Fuchsia Pink
	45-51	LEE 194 – Surprise Pink
	52-58	LEE 181 – Congo Blue
	59-65	LEE 071 – Tokyo Blue
	66-72	LEE 120 – Deep Blue
	73-79	LEE 079 – Just Blue
	80-86	LEE 132 – Medium Blue
	87-93	LEE 200 – Double CT Blue
	94-100	LEE 161 – State Blue
	101-107	LEE 201 – Full CT Blue
	108-114	LEE 202 – Half CT Blue
	115-121	LEE 117 – Steel Blue
	122-128	LEE 353 – Lighter Blue
	129-135	LEE 118 – Light Blue
	136-142	LEE 116 – Medium Blue Green
	143-149	LEE 124 – Dark Green
	150-156	LEE 139 – Primary Green
	157-163	LEE 089 – Moss Green
	164-170	LEE 122 – Fern Green
	171-177	LEE 738 – JAS Green
	178-184	LEE 088 – Lime Green

	185-191	LEE 100 – Spring Yellow
	192-198	LEE 104 – Deep Amber
	199-205	LEE 179 – Chrome Orange
	206-212	LEE 105 – Orange
	213-219	LEE 021 – Gold Amber
	220-226	LEE 778 – Millennium Gold
	227-233	LEE 135 – Deep Gold Amber
	234-255	LEE 164 – Flame Red
13		**Macro Effect**
	0-15	Null
	16-31	Effect 1
	32-47	Effect 2
	48-63	Effect 3
	64-79	Effect 4
	80-95	Effect 5
	96-111	Effect 6
	112-127	Effect 7
	128-143	Effect 8
	144-159	Effect 9
	160-175	Effect 10
	176-191	Effect 11
	192-207	Effect 12
	208-223	Effect 13
	224-239	Effect 14
	240-255	Effect 15
14		**Effect speed**
	0-0	Null
	1-127	Slow to Fast
	128-255	Slow to Fast with Fade

55CH

CH	DMX	Explanation
1		**Function**
	0-29	Null
	30-39	Dimmer Curve: Linear
	40-49	Dimmer Curve: Square Law
	50-59	Dimmer Curve: Inv SQ Law
	60-69	Dimmer Curve: S Curve

	70-79	Fan silent
	80-89	Fan Auto
	90-99	Fan High
	100-109	LED frequency setting
	110-119	LED frequency off setting
	120-122	Null
	123	1k
	124	2k
	125	3k
	126	4k
	127	6k
	128	8k
	129	10k
	130	12k
	131	14k
	132	15k
	133	16k
	134	20k
	135	25k
	136	30k
	137	32k
	138-179	Null
	180-189	Dimmer Speed: Fast
	190-199	Dimmer Speed: Smooth
	200-209	Dimmer Speed: Tungsten
	210-219	Invert Pixel: No
	220-229	Invert Pixel: Yes
	230	Light up mode:high
	231	Light up mode:slow
	232-255	Null
2		**NO Function**
3		**Strobe**
	0-7	Close
	8-15	Open
	16-131	Strobe from Slow to Fast

	132-139	Open
	140-181	Fast Open Slow Close from Slow to Fast
	182-189	Open
	190-231	Slow Open Fast Close from Slow to Fast
	232-239	Open
	240-247	Random Strobe from Slow to Fast
	248-255	Close
4	0-255	Dimmer
5	0-255	Dimmer fine
6	0-255	Warm White 1
7	0-255	Red1
8	0-255	Green1
9	0-255	Blue1
10	0-255	Amber1
11	0-255	Warm White 2
12	0-255	Red2
13	0-255	Green2
14	0-255	Blue2
15	0-255	Amber2
...	0-255	...
...	0-255	...
...	0-255	...
...	0-255	...
...	0-255	...
51	0-255	Warm White 10
52	0-255	Red10
53	0-255	Green10
54	0-255	Blue10
55	0-255	Amber10

10.Common malfunctions

1. After the lamp is reset normally, it will not accept the control of the console

Check whether the digital start address value and function options of the lamps are correct;

Check whether the connection of the communication control line is correct, the communication line is too long or has been interrupted;

Check whether the control equipment is invalid, and check whether the signal

amplifier connected in series is invalid;
Check whether the communication line is too long or other devices interfere with each other;
Optimize wiring, shorten the length of control signal lines, separate high-voltage and low-voltage lines;
Add a signal amplifier;
The signal line adopts high-quality shielded twisted pair;
Connect a signal terminating resistor (120 ohms) at the end of the fixture.

2. The lamps cannot be started

Check that the lamps have poor contact or fall off due to extrusion deformation, vibration of internal parts, moisture and other reasons during long-distance transportation.
Please check whether the wires and connectors inside the lamp are detached or loose.
Check whether the electronic components of lamps (such as electronic transformers, PCB boards, motor control boards, etc.) are loose, short-circuited and burned out.

11.Fixture Cleaning

Regular cleaning is very important for fixture life and performance. Buildup of dust, dirt, smoke particles, fog fluid residues, etc. degrades the fixture's light output and cooling ability.Cleaning schedules for lighting fixtures vary greatly depending on the operating environment. It is therefore impossible to specify precise cleaning intervals for the fixture. Environmental factors that may result in a need for frequent cleaning include:
Use of smoke or fog machines.
High airflow rates (near air conditioning vents, for example).
Airborne dust (from stage effects, building structures and fittings or the natural environment at outdoor events, for example).
If one or more of these factors is present, inspect fixtures within their first few hours of operation to see whether cleaning is necessary. Check again at frequent intervals. This procedure will allow you to assess cleaning requirements in your particular situation.
Follow these precautions when cleaning the fixture:
Work in a clean, dry, well-lit area.
Use gentle pressure only. A soft lint-free cloth dampened with a solution of water and a
mild detergent is recommended, under no circumstances should alcohol, solvents or abrasives be used! Use care when cleaning optical components: surfaces are fragile and easily scratched