

elumen8

Evora CMY350 Profile User Manual



Order codes: ELUM706

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.



IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available mains supply voltage is between 100~240V AC, 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not connect power or switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- We recommend this fixture should be serviced at least once every 3 months to prevent build-up of dust, dirt and debris that could affect the fixtures operation.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- This lighting fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- Warning! Risk Group 2 LED product according to EN 62471. Do not view the light output with optical instruments or any device that may concentrate the beam.
- High power lighting fixtures are capable of producing powerful, concentrated beams of light that can create a fire hazard or a risk of eye injury if the safety precautions are not followed.
- WARRANTY: Two years from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc. Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and/or property.

This fixture falls under Protection Class 1, therefore it has to be connected to a mains socket with a protective earthing connection.

Risk group 2, RG-2: CAUTION!

Do not stare at exposed LED in operation as it may damage/be harmful to the eyes. Avoid looking directly into the light source.

CAUTION!

The maximum ambient temperature (T_a) of 40° must not be exceeded.

CAUTION!

If the lens gets damaged ie. cracks or deep scratches so the output is impaired then it must be replaced.

CAUTION!

To avoid damage to internal parts ie. optics, colour filters, gobos, prisms, frost filters, iris, motors, belts, wiring or LEDs never expose the front lens to direct sunlight, lighting fixtures or lasers even when the fixture is not in use.

Evora CMY350 Profile

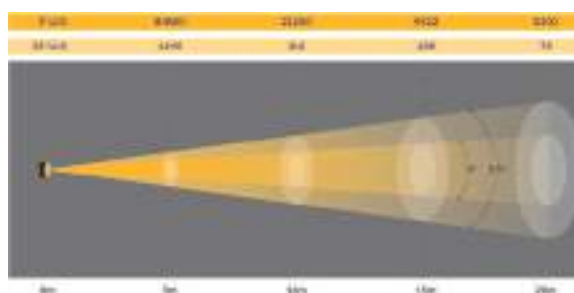
The Elumen8 Evora CMY350 Profile is a feature packed, immensely bright 350W moving head with crystal clear optics. This impressive fixture offers a 4-blade, rotatable framing system, 3° - 53° motorised zoom, focus and iris allowing for precise beam adjustment. Further enhancing this fixtures array of features it has a rotating gobo wheel, linear and circular prisms, two variable frost filters, plus endless colours can be achieved with CMY colour mixing, variable CTO flag and the colour wheel with high CRI filter. Suited to rental, stage and touring the LED is flicker-free with an adjustable refresh rate. Control is via DMX, RDM, Kling-Net, Art-NET and sACN protocols, and for further convenience wireless DMX is on-board via W-DMX Sweden.

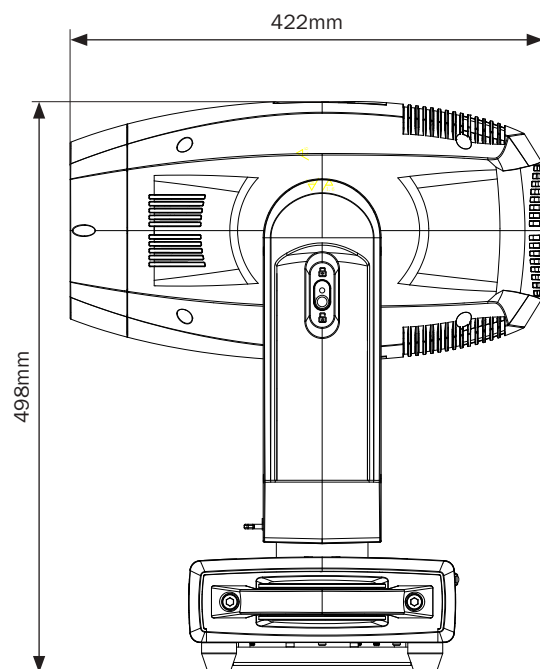
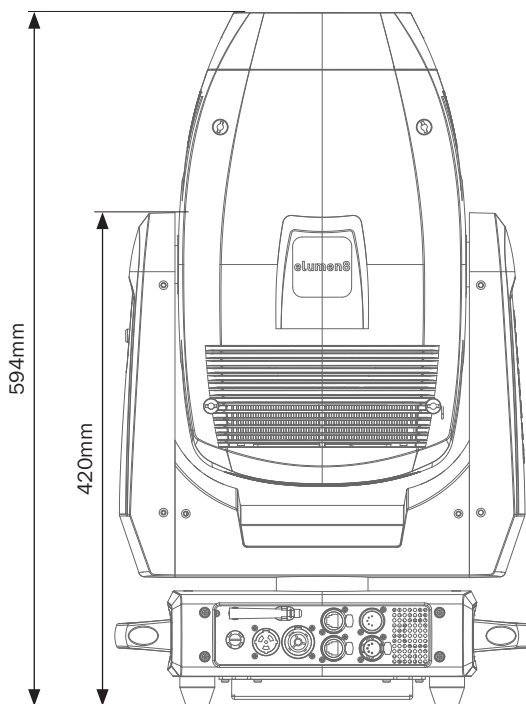
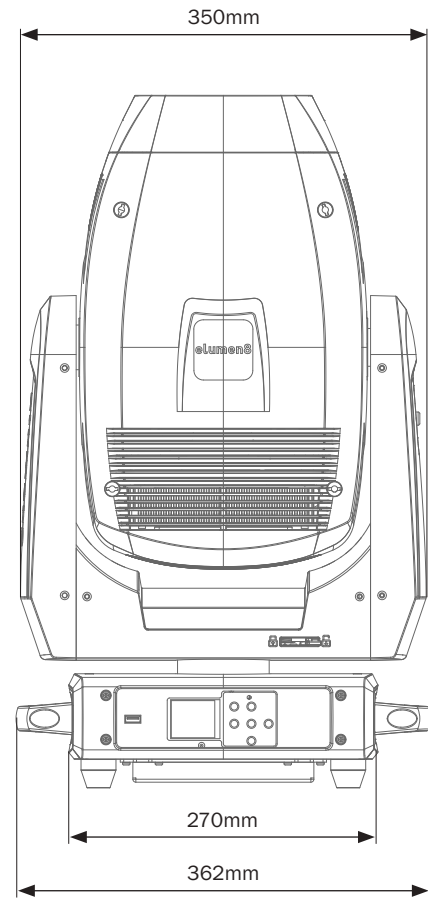
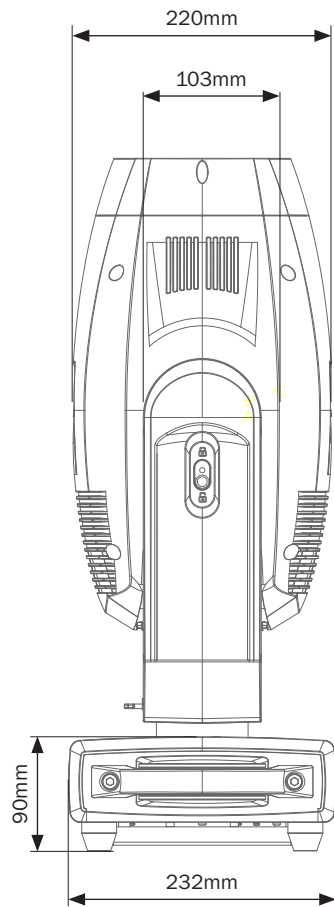
- 2 year warranty
- 1 x 350W white LED (6,900K)
- Adjustable beam angle: 3° - 53°
- Lumens – Source: 20,500
- Lumens – Output: 13,000
- 3° - 21,200 Lux @ 10m, 53° - 310 Lux @ 10m
- CRI: 71
- Refresh rate: 14 selectable presets between 900Hz-25kHz
- Motorised zoom, focus and iris
- 4 rotating framing shutters +/-45°, plus shape rotation
- 6 facet circular rotating indexable prism plus 6 facet linear rotating indexable prism
- Variable frost filter
- Gobo wheel: 7 rotating, indexable, replaceable gobos + open
- Animation wheel
- CMY colour mixing: Cyan 0-100%, Magenta 0-100% and Yellow 0-100%
- Variable CTO flag (0-100%)
- Colour wheel: 7 colours + High CRI filter (CRI: 84) + open
- Control protocols: DMX, Kling-net, Art-net and sACN
- DMX channels: 34/41 or 55 selectable
- Wireless control (W-DMX Sweden transceiver)
- Can be used to receive wireless DMX and relay the DMX signal via the XLR output
- Features an integral Art-Net node for internal conversion from Art-Net to DMX for control of DMX fixtures downstream on the same universe
- Manual control and master/slave modes plus built-in programs
- Pan/tilt transit lock and auto correction
- 16-Bit pan/tilt positioning
- Pan: 540° or 630° selectable, Tilt: 270°
- 0 – 100% dimming
- 5 dimming modes: Standard, stage, TV, architectural and theatre
- Variable strobe
- PowerTwist TR1 input/output
- 5-Pin XLR input/output
- etherCON input/output
- RDM (Remote Device Management)

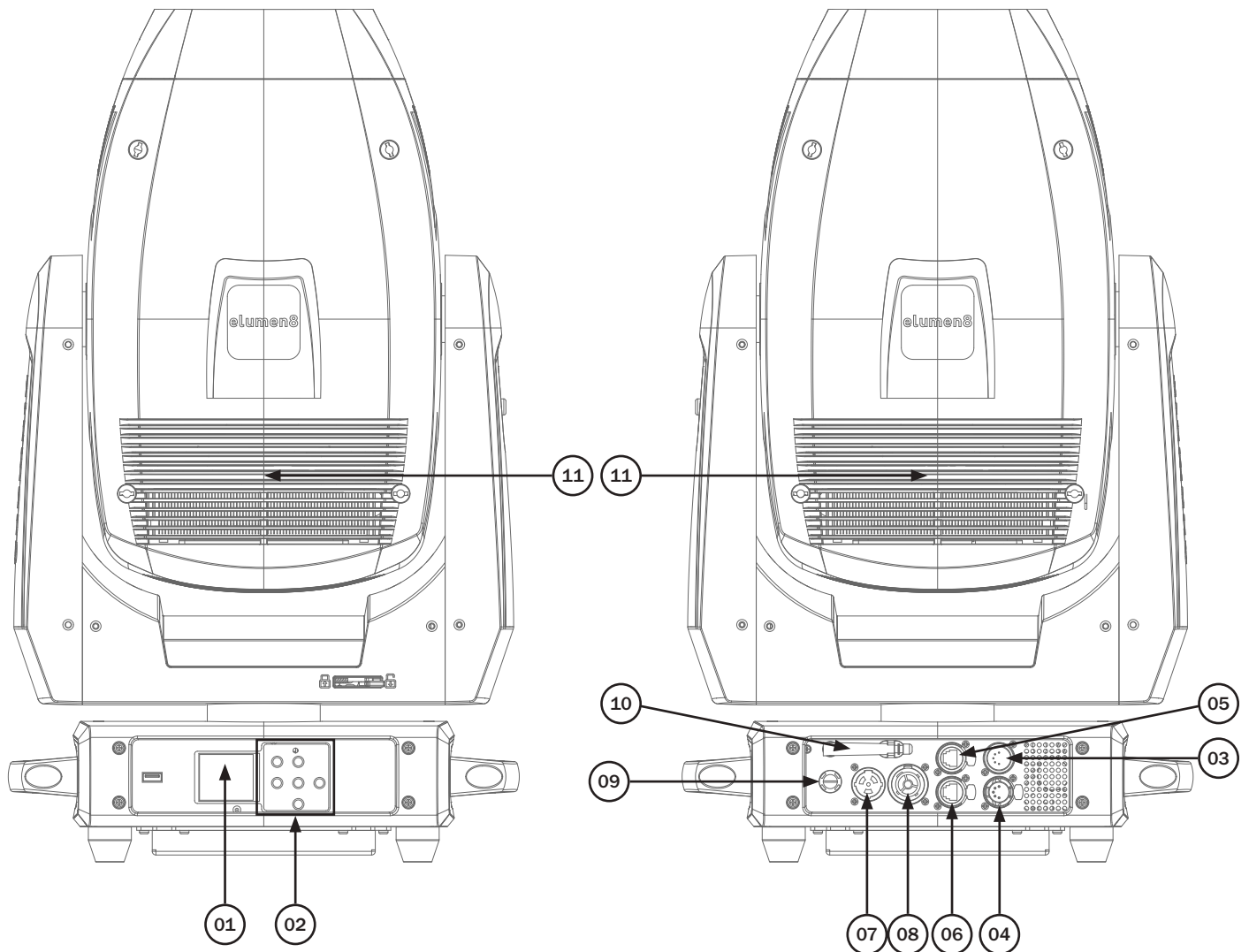


- 6 button menu with 1.8" LCD display
- Display battery backup for offline configuration
- Supplied with quick release omega clamps
- USB port (firmware updates)
- Temperature controlled fans
- Supplied with an additional 10 rotating gobos

Specifications	Evora CMY350 Profile
Power consumption	608W
Fuse	T8A 250V
Noise Level	≤40dBA @ 1m (low speed) ≤50dBA @ 1m (auto speed) ≤55dBA @ 1m (high speed)
Power supply	100~240V, 50/60Hz
Dimensions	594 x 362 x 232mm
Weight	22kg
Order code	ELUM706







01 - LCD display
02 - Function buttons
03 - 5-Pin DMX input
04 - 5-Pin DMX output

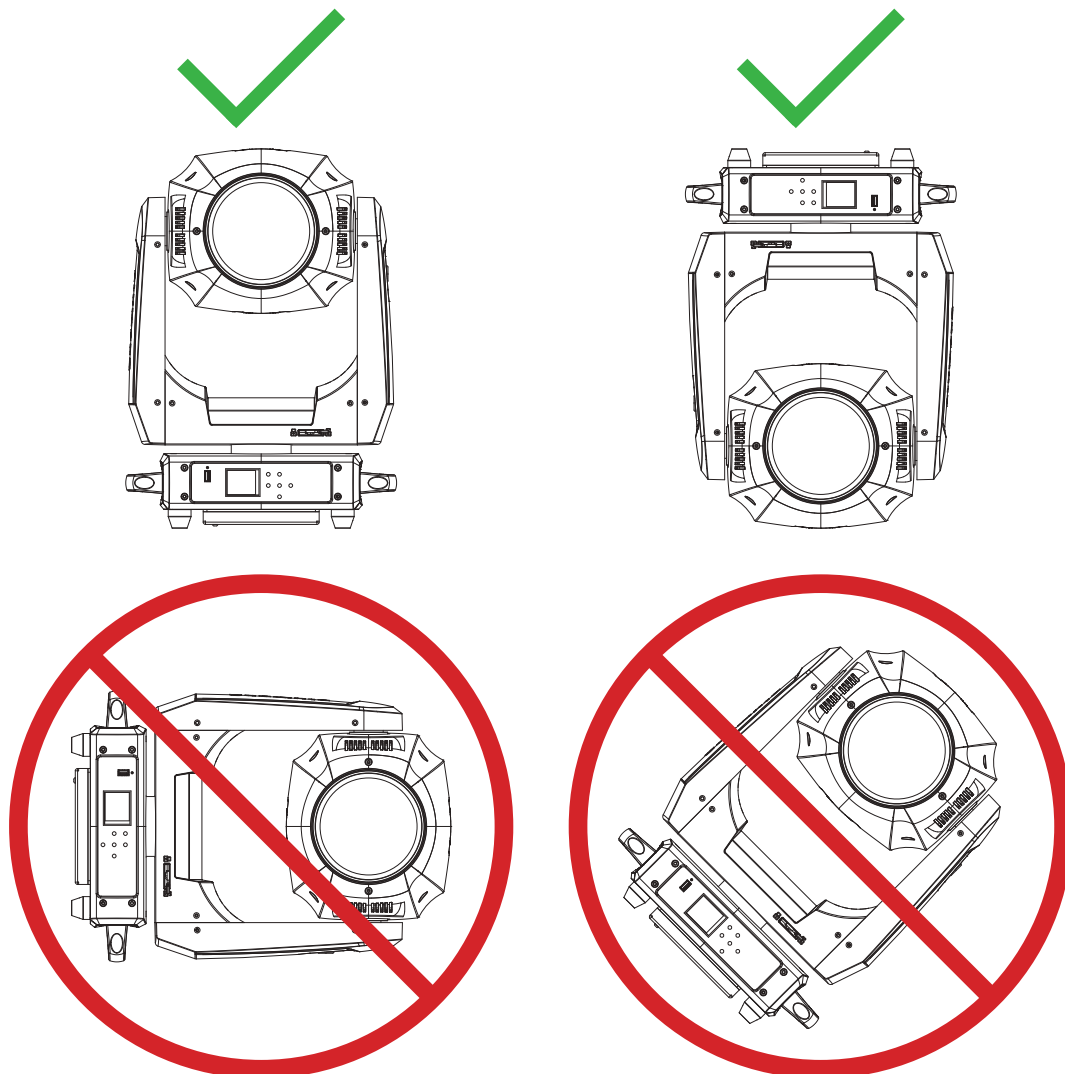
05 - Ethernet input
06 - Ethernet output
07 - PowerTwist TR1 input
08 - PowerTwist TR1 output

09 - Fuse T8A 250V
10 - Wireless DMX Antenna
11 - Fans

In the box: **1 x fixture,**
2 x omega clamps,
1 x gobo pack
& 1 x power cable

Before installing the fixture, the supporting structure (ie. truss) must be able to hold a minimum of 10 times the fixtures weight without any deformation (eg. 15kg - 150kg point load). The fixture must be secured with a secondary safety attachment when being installed (ie. an appropriate safety cable). Never stand directly below the fixture when mounting, removing, and/or servicing.

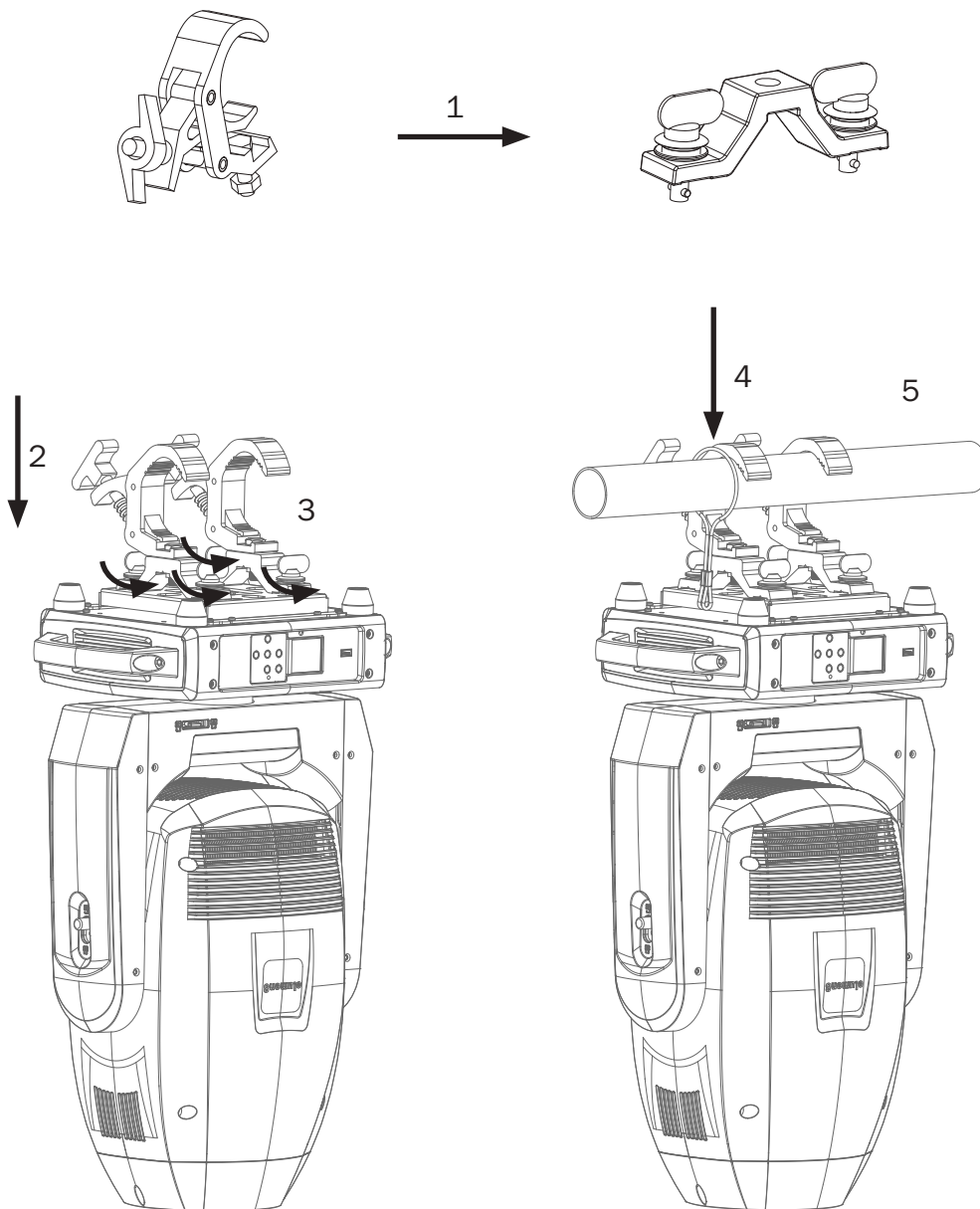
Overhead installation requires experience and qualifications to calculate working load limits, the material being used at the installation area and periodic safety inspections of the fixture and installation material. If you do not have the relevant experience and/or qualifications please do not attempt the installation yourself. The installation should be checked annually by a qualified person.

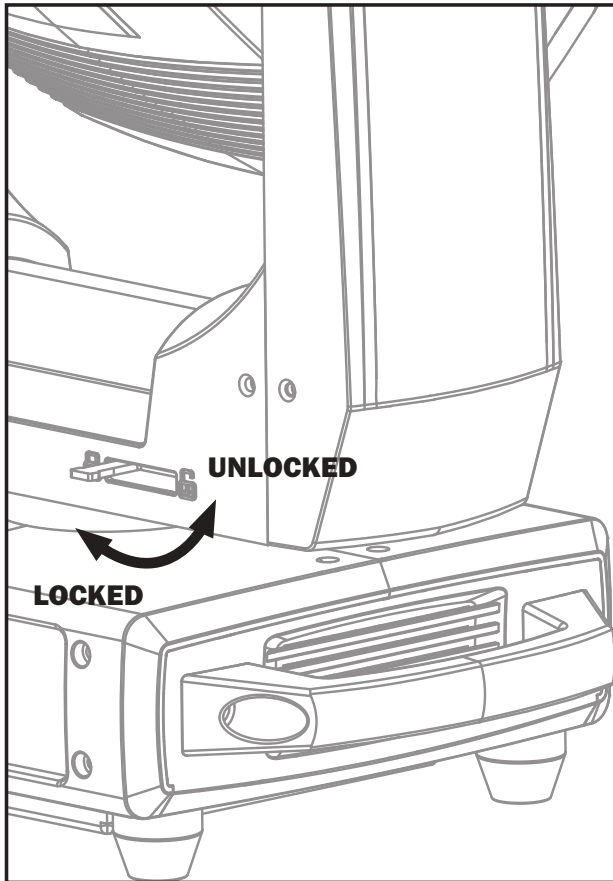


The Elumen8 Evora CMY350 Profile can be operated where the base of the fixture is horizontally orientated, this includes standing the fixture upright on a flat, level surface or hanging the fixture upside down. Do NOT install the fixture in a sideways position or in a position where the base of the fixture is orientated vertically or at an angle. Always use a safety wire as an extra safety precaution to prevent damage/injury in the event a clamp fails (see the next page for clamp installation). Never use the carry handles for secondary attachments.

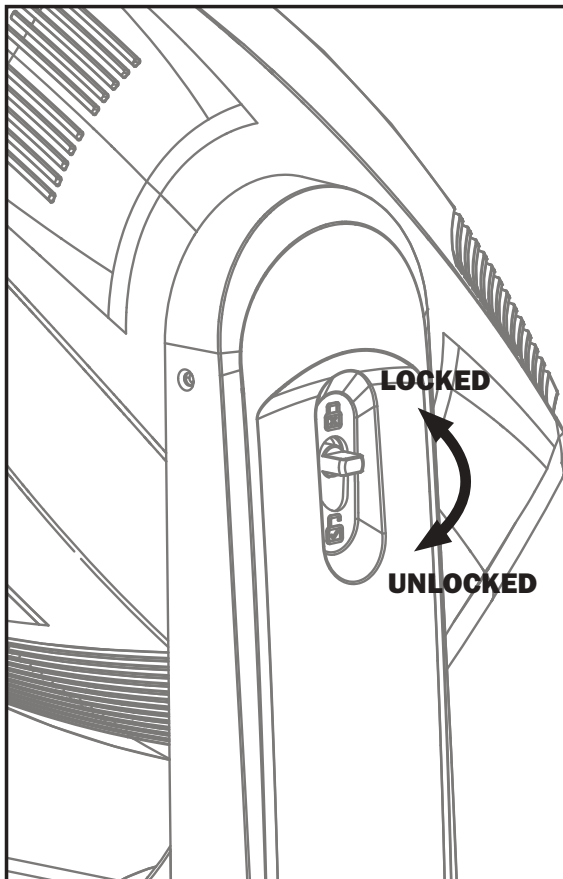
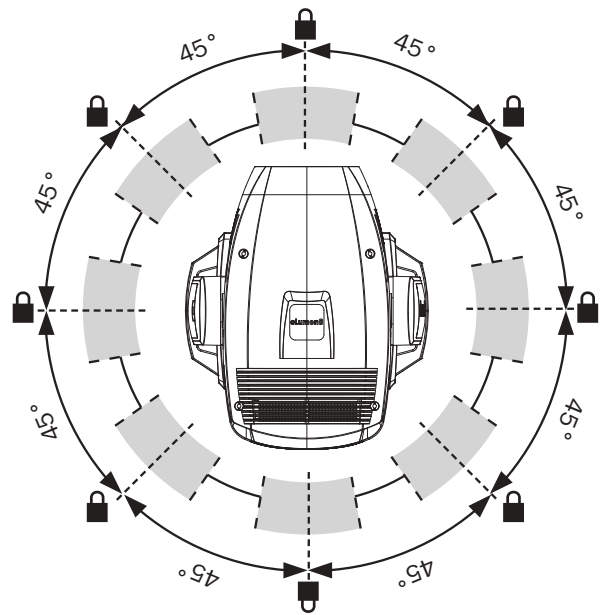
Installation:

1. Fasten each clamp to the omega clamps with a bolt and lock nut through the hole in the omega clamp.
2. Align and insert the omega clamp quick-lock fasteners with the respective holes on the bottom of the unit.
3. Tighten both locking fasteners clockwise on each omega clamp ensuring they're fully secure.
4. Mount the fixture onto your truss system via the clamps and tighten to ensure secure.
5. Pull the safety cable through the safety cable holes located on the metal base plate on the underside of the fixture and around the truss.

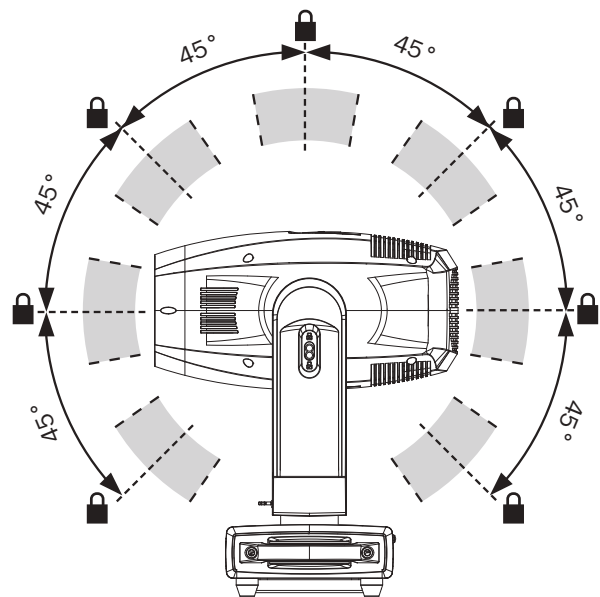




Pan mechanism lock and release every 45°



Tilt mechanism lock and release every 45°



Rotating Gobo Replacement:

The fixture is supplied with 8 rotating, replaceable gobos. See below for installation instructions.

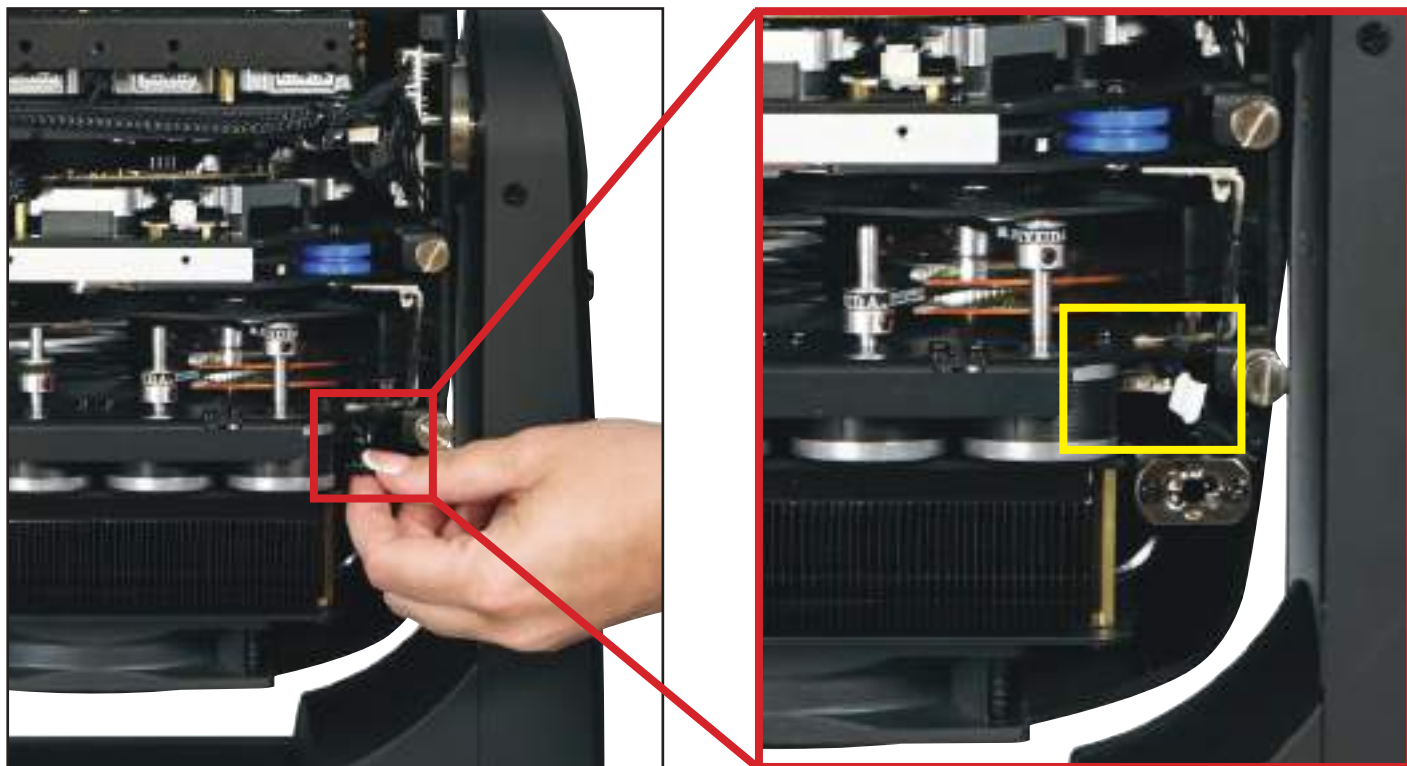


1) Place the fixture on a stable, flat surface ensuring you are indoors in a dust free location. Disconnect and isolate from power and let the unit cool for at least 15 minutes. Engage the pan and tilt locks (shown above).



2) Use a Phillips head screwdriver to loosen the four screws on each side of the head casing. These are twist lock screws and do not come free of the casing.

3) Remove the safety clips securing the casings to the head chassis.



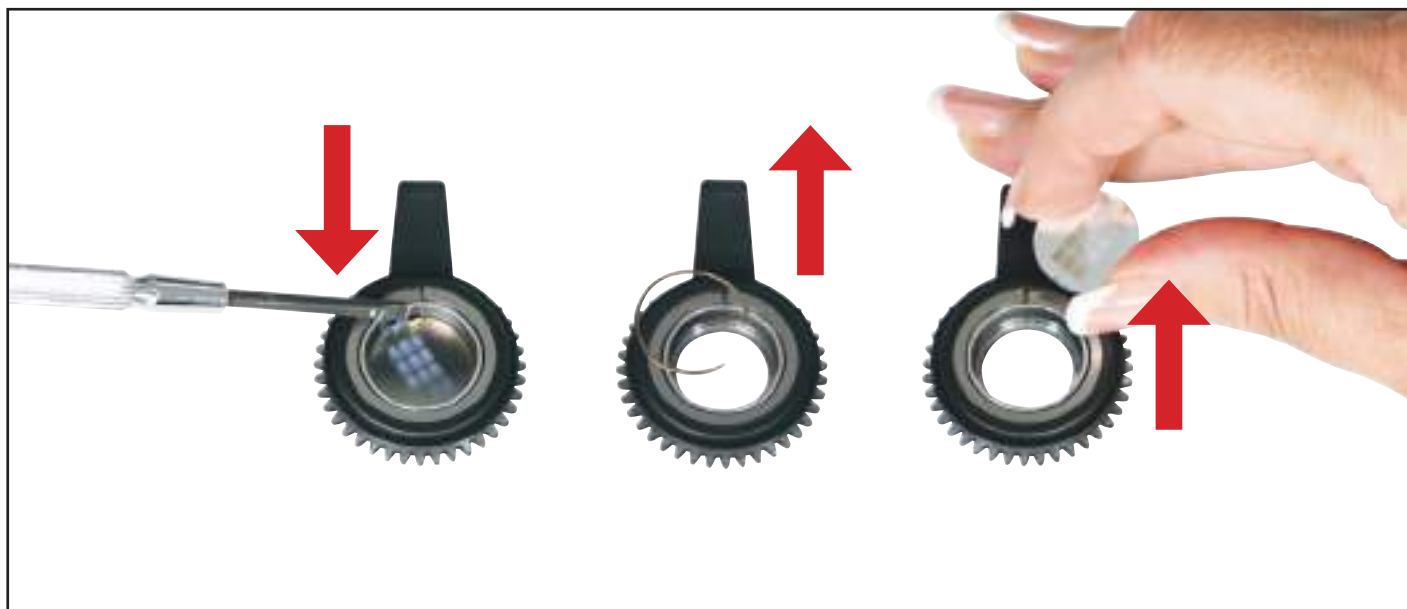
4) On the gobo module, find the connector located behind the right motor, just beside the right thumbscrew (see yellow box above). Disconnect this connector. This will help improve access to the gobo wheel module.



5) Loosen the thumbscrews on the gobo module, these do not come free of the gobo module. Carefully slide the gobo module out of its runners. Place the gobo module on a flat surface ensuring you are indoors in a dust free location.



6) Locate the gobo that will be replaced. Grip the edges of the gobo holder and carefully lift the holder until it is raised from the surface of the gobo wheel (pictured left). Pull the gobo holder towards you, away from the gobo wheel (pictured right).



7) Place the gobo on a flat surface with the gear side down. Locate the tab of the spring clip using a precision pick (or similar) and push the spring clip inwards to release it and remove the spring clip. Carefully remove the gobo from the holder avoiding scratching the gobo. Install the new gobo and follow the previous steps in reverse order.

Control Panel Menu:

The LCD control panel situated on the front of the fixture allows the user to access the menu system to adjust the fixtures settings.

When the unit has been powered on the display will show “**Software Update**” followed by “**eLumen8 Evora CMY350 Profile**” and then “**Ethernet Reset Please Wait...**” followed by “**Motor Reset Please Wait...**”. The fixture will then return to its home screen.

Pressing the “**MENU**” button once will take the user to the fixtures main menu. Using the “**UP**” and “**DOWN**” buttons you can then navigate between the different options in the main menu. Pressing the “**ENTER**” button on one of these options allows you to access the sub menu where you can use the “**LEFT**” and “**RIGHT**” buttons to select option/value required. Once the option/value has been selected press the “**ENTER**” button once more to confirm the setting.

To exit out of any of the above options, press and hold the “**MENU**” button.

The LCD control panel can be used via the internal battery. To access this press and hold the “**MENU**” button for 5 seconds until the fixtures home screen is displayed. The LCD display will automatically shut off after 20 seconds of inactivity.



Error Codes:

When the unit is powered on the unit will automatically perform a motor reset. If there is a problem with any of the motors the display will flash and display “**Error:**” along with a list of motor errors on the LCD control panel. Please power the unit off and on to reset the motors again.

(The full list of errors codes can be found on the next page).

Error Code	Description
Pan	The movement is not located in the default position after the reset. This message will appear if the sensor has failed or magnet is missing, or if there is a motor failure (defective motor or a defective motor IC drive on the main PCB). This error may also be displayed if the yoke was blocked during a reset function.
Tilt	
Colour	The movement is not located in the default position after the reset. This message will appear if the sensor has failed or magnet is missing, or if there is a motor failure (defective motor or a defective motor IC drive on the main PCB).
Cyan	
CTO	
Animation	
RotGobo	
RotGoboInd	
Magenta	
Yellow	
Zoom	
Focus	
Prism1	
Prism1Rot	
Prism2	
Prism2Rot	
SoftFrost	
HeavyFrost	
HeadFan	
BladeFan	
Iris	
Blade	
HeadTemp	This message will appear if the sensor or fan has failed or the fixtures temperature is too hot.
LEDFan	
GoboFan	
BaseTemp	
BaseFan1	
BaseFan2	

Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)		Description
DMX address	Set Address	001-512		DMX Address Setting
Channel Mode	User Mode	Basic (34 channel)		DMX Channel mode
		Standard (41 channel)		
		Extend (55 channel)		
Network	Input	OFF		Activate/deactivate network input
		ON		
	Protocol	ArtNET		Network Protocol Setting
		sACN		
	Address	ServicePIN	000-255 (PIN = 050)	Pin to enter Address Menu
		Universe	000-255	Universe Setting (PIN Required)
		IP Address	xxx.xxx.xxx.xxx (002.000.000.002)	IP Address Setting (PIN Required)
		Subnet Mask	xxx.xxx.xxx.xxx (255.000.000.000)	IP Subnet Mask Setting (PIN Required)
	DMX Output	OFF		Output network signal via DMX
		ON		
Wireless	W-DMX	OFF		Activate/deactivate W-DMX
		ON		
	(Tx/Rx)	Transmit		Configure W-DMX as a transmitter/receiver
		Receive		
	W-DMX Protocol	G3		G3 Transmission Standard
		G4S		G4S Transmission Standard
	Tx/Rx Link	Link		Link with W-DMX devices. W-DMX must be active for all devices and the link with a transmitter must be suspended (Receive Reset)
		UnLink		Unlink all devices
	Rx Reset	NO		Do not suspend link with transmitter
YES		Suspend link with transmitter		
Stand Alone	Manual	Pan	000-255	Manual Control settings
		Pan Fine		
		Tilt		
		Tilt Fine		
		Colour		
		Macros		
		CMY Mode		
		Cyan		
		Cyan Fine		
		Magenta		
		Magenta Fine		
		Yellow		
		Yellow Fine		
		CTO		

Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)		Description
Stand Alone	Manual	CTO Fine	000-255	Manual Control settings
		Rot Gobo		
		Gobo Index		
		Index Fine		
		Strobe		
		Dimmer		
		Dimmer Fine		
		Zoom		
		Zoom Fine		
		Focus		
		Focus Fine		
		Iris		
		Soft Frost		
		Heavy Frost		
		Prism 1		
		Prism 1 Rot		
		Prism 2		
		Prism 2 Rot		
		Animation		
		Framing Rot		
		Framing Rot Fine		
		Blade 1A		
		Blade 1B		
		Blade 2A		
		Blade 2B		
		Blade 3A		
		Blade 3B		
		Blade 4A		
	Blade 4B			
	Programs	Program 1	Speed (000-255)	Program 1
			Fade (000-255)	
		Program 2	Speed (000-255)	Program 2
			Fade (000-255)	
		Program 3	Speed (000-255)	Program 3
			Fade (000-255)	
		...	...	...
Program 16		Speed (000-255)	Program 16	
	Fade (000-255)			
Slave Mode	OFF		Slave Mode	
	ON			

Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)		Description
Settings	Split Colour	OFF		Split Colour Setting
		ON		
	Display	Backlight	02M-60M (06M)	LCD Backlight Setting
		Rotate 180°	OFF	LCD Display Inverse Setting
			ON	
		Key Lock	OFF	Control Panel Lock Setting (Press and hold MODE for 3 seconds to unlock)
			ON	
		DispFlash	OFF	Display Flash Setting
			ON	When No DMX Signal
		Power Saver	Hibernation	OFF
	01M-099M			
	DMX Fail	Blackout		DMX Fail Setting
		Hold		
		Programs		
		Manual		
	Dim Mode	Standard		Dimming Curve Speed
		Stage		
		TV		
		Architectur		
		Theatre		
	Frequency	900Hz		LED Refresh Rate Setting
		1000Hz		
		1100Hz		
		1200Hz		
		1300Hz		
		1400Hz		
		1500Hz		
		2500Hz		
		4000Hz		
		5000Hz		
		10kHz		
		15kHz		
		20kHz		
		25kHz		
Pan/Tilt	Pan Inverse	OFF	Pan Inverse Setting	
		ON		
	Tilt Inverse	OFF	Tilt Inverse Setting	
		ON		
	Pan Angle	540	Pan Angle setting	
		630		
	Speed	Speed1	Pan/Tilt Speed setting	
		Speed2		
	Feedback	ON	Pan/Tilt Feedback setting	
		OFF		

Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)		Description	
Settings	Pan/Tilt	Init. Pan	ON	Initialise Pan setting (Followspot mode)	
			OFF		
		Init. Tilt	ON	Initialise Tilt setting (Followspot mode)	
			OFF		
	Fans	Head Fan	Auto	Head Fan Speed Setting	
			Low		
			High		
		Base Fan	Auto	Base Fan Speed Setting	
			Low		
			High		
Service	Calibrate (PIN = 050)	Password	000-255	Calibration Settings	
		Pan			
		Tilt			
		Cyan			
					
		Blade 4B			
	Auto Test	Testing...		Auto Test	
	Motor Reset	All		Motor Reset	
		Pan & Tilt			
		CMY			
		Gobos			
		Zoom			
		Blades			
	USB Update	OFF		USB Update	
		ON			
	Factory	OFF		Factory Settings	
		ON			
	Information	Runtime	Total Time		Runtime Information
			CurrentTime		
			Password (PIN = 050)		
Reset					
Temperature		Head	xxx °	Temperature Information	
		Base	xxx °		
		Units	C ° / F °		
Fan Speed		Cool: xxxxRPM		Fan Speed Information	
		Gobo: xxxxRPM			
		Head: xxxxRPM			
		Blade: xxxxRPM			
		Base: xxxxRPM			
Model		Elumen8 Evora CMY350 Profile		Model Information	

Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)	Description
Information	RDM UID	0x09A5-xxxxxxx	RDM UID
	Firmware	1U: Vx.x.xx 2U: Vx.x.xx 3U: Vx.x.xx 4U: Vx.x.xx 5U: Vx.x.xx 6U: Vx.x.xx 7U: Vx.x.xx 8U: Vx.x.xx	Software Version
	Error. Logs	NONE/Pan, Tilt... (See page 14)	Current Fixture Errors

DMX channel modes:

Basic 34CH	Standard 41CH	Extended 55CH	Value	Function	Default Value	
1	1	1	000-255	Pan movement (8 bit)	127	
-	2	2	000-255	Pan fine (16 bit)	127	
2	3	3	000-255	Tilt movement (8 bit)	127	
-	4	4	000-255	Tilt fine (16 bit)	127	
3	5	5	Colour Wheel (split colour disabled) (Split colour OFF)			000
			000-005	Open		
			006-011	Colour 1		
			012-017	Colour 2		
			018-023	Colour 3		
			024-029	Colour 4		
			030-035	Colour 5		
			036-041	Colour 6		
			042-047	Colour 7		
			048-053	Colour 8		
			054-192	Colour wheel indexing		
			193-223	Scroll clockwise (fast-slow)		
			224	Stop		
			225-255	Scroll anti-clockwise (slow-fast)		
3	5	5	Colour Wheel (split colour anabled) (Split colour ON)			000
			000-005	Open		
			006-010	Open/Colour 1		
			011-015	Colour 1		
			016-020	Colour 1/Colour 2		
			021-025	Colour 2		
			026-030	Colour 2/Colour 3		
			031-035	Colour 3		
			036-040	Colour 3/Colour 4		
			041-045	Colour 4		
			046-050	Colour 4/Colour 5		
			051-055	Colour 5		
			056-060	Colour 5/Colour 6		
			061-065	Colour 6		
			066-070	Colour 6/Colour 7		
			071-075	Colour 7		
			076-080	Colour 7/Colour 8		
			081-085	Colour 8		
			086-090	Colour 8/Open		
			091-127	Open		
			128-189	Scroll clockwise (fast-slow)		
			190-193	Stop		
			194-255	Scroll anti-clockwise (slow-fast)		

DMX channel modes:

Basic 34CH	Standard 41CH	Extended 55CH	Value	Function	Default Value	
-	-	6	Colour Macros (See page 27)		000	
			000-005	No function		
			006-030	Macro 1		
			031-055	Macro 2		
			056-080	Macro 3		
			081-105	Macro 4		
			106-130	Macro 5		
			131-155	Macro 6		
			156-180	Macro 7		
			181-205	Macro 8		
			206-230	Macro 9		
			231-255	Macro 10		
			4	6		7
000-127	Full					
128-255	Effect Macros					
5	7	8	Cyan			000
			Full			
			000-255	Cyan (0-100%)		
			Effect Macros			
			000-170	Cyan (0-100%)	000	
			171-189	Cyan (100%-open)		
			190-221	Scroll clockwise (fast-slow)		
			222-223	Stop		
			224-255	Scroll anti-clockwise (fast-slow)		
-	-	9	000-255	Cyan Fine	000	
6	8	10	Magenta			000
			Full			
			000-255	Magenta (0-100%)		
			Effect Macros			
			000-170	Magenta (0-100%)	000	
			171-189	Magenta (100%-open)		
			190-221	Scroll clockwise (fast-slow)		
			222-223	Stop		
			224-255	Scroll anti-clockwise (fast-slow)		
-	-	11	000-255	Magenta Fine	000	

DMX channel modes:

Basic 34CH	Standard 41CH	Extended 55CH	Value	Function	Default Value
7	9	12	Yellow		
			Full		
			000-255	Yellow (0-100%)	000
			Effect Macros		
			000-170	Yellow (0-100%)	000
			171-189	Yellow (100%-open)	
			190-221	Scroll clockwise (fast-slow)	
			222-223	Stop	
			224-255	Scroll anti-clockwise (fast-slow)	
-	-	13	000-255	Yellow fine	000
8	10	14	000-255	CTO (0-100%)	000
-	-	15	000-255	CTO Fine	000
9	11	16	Rotating Gobo Wheel		
			000-019	Open	000
			020-026	Rotating Gobo 1	
			027-033	Rotating Gobo 2	
			034-040	Rotating Gobo 3	
			041-047	Rotating Gobo 4	
			048-054	Rotating Gobo 5	
			055-061	Rotating Gobo 6	
			062-077	Rotating Gobo 7	
			078-093	Rotating Gobo 1 Shake (slow-fast)	
			094-109	Rotating Gobo 2 Shake (slow-fast)	
			110-125	Rotating Gobo 3 Shake (slow-fast)	
			126-141	Rotating Gobo 4 Shake (slow-fast)	
			142-157	Rotating Gobo 5 Shake (slow-fast)	
			158-173	Rotating Gobo 6 Shake (slow-fast)	
			174-189	Rotating Gobo 7 Shake (slow-fast)	
			190-221	Scroll clockwise (fast-slow)	
			222-223	Stop	
			224-255	Scroll anti-clockwise (slow-fast)	
10	12	17	Rotating Gobo Wheel Index		
			000-127	Rotating Gobo Indexing	000
			128-189	Scroll clockwise (fast-slow)	
			190-193	Stop	
			194-255	Scroll anti-clockwise (fast-slow)	
-	13	18	000-255	Rotating Gobo Indexing Fine	000

DMX channel modes:

Basic 34CH	Standard 41CH	Extended 55CH	Value	Function	Default Value	
11	14	19	Strobe			000
			000-031	LED off		
			032-063	LED on		
			064-095	Strobe (slow-fast)		
			096-127	LED on		
			128-159	Pulse strobe (slow-fast)		
			160-191	LED on		
			192-223	Random strobe (slow-fast)		
			224-255	LED on		
12	15	20	000-255	Dimmer (0-100%)	000	
-	16	21	000-255	Dimmer fine (16 bit)	000	
13	17	22	000-255	Zoom (narrow-wide)	000	
-	18	23	000-255	Zoom fine	000	
14	19	24	000-255	Focus (near-far)	000	
-	20	25	000-255	Focus fine	000	
15	21	26	Iris			000
			000-191	Iris (wide-narrow)		
			192-223	Pulse opening (fast-slow)		
			224-255	Pulse closing (slow-fast)		
-	22	27	000-255	Iris Fine	000	
16	23	28	000-255	Soft Frost (0-100%)	000	
17	24	29	000-255	Heavy Frost (0-100%)	000	
18	25	30	Prism 1			000
			000-005	No function		
			006-255	Prism 1		
19	26	31	Prism 1 Indexing / Rotation			000
			000-127	Prism 1 Indexing		
			128-189	Clockwise Prism Rotation (fast-slow)		
			190-193	Prism 1 rotation stop		
			194-255	Anti-clockwise Prism Rotation (slow-fast)		
20	27	32	Prism 2			000
			000-005	No function		
			006-255	Prism 2		
21	28	33	Prism 2 Indexing / Rotation			000
			000-127	Prism 2 Indexing		
			128-189	Clockwise Prism Rotation (fast-slow)		
			190-193	Prism 2 rotation stop		
			194-255	Anti-clockwise Prism Rotation (slow-fast)		

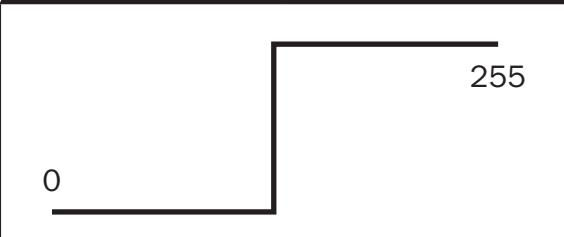
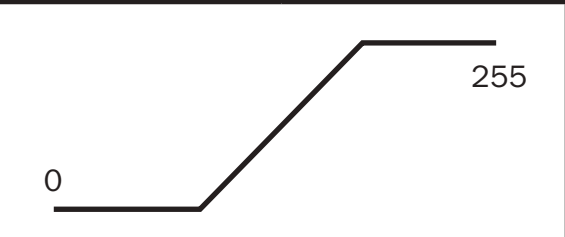
DMX channel modes:

Basic 34CH	Standard 41CH	Extended 55CH	Value	Function	Default Value
22	29	34	Animation Indexing / Rotation		
			000-005	No function	000
			006-127	Animation Indexing	
			128-189	Clockwise Animation Rotation (fast-slow)	
			190-193	Animation rotation stop	
			194-255	Anti-clockwise Animation Rotation (slow-fast)	
23	30	35	000-255	Framing Module Rotation	000
-	-	36	000-255	Framing Module Rotation Fine	000
24	31	37	000-255	Framing Blade 1A (outward-inward)	000
-	-	38	000-255	Framing Blade 1A Fine	000
25	32	39	000-255	Framing Blade 1B (outward-inward)	000
-	-	40	000-255	Framing Blade 1B Fine	000
26	33	41	000-255	Framing Blade 2A (outward-inward)	000
-	-	42	000-255	Framing Blade 2A Fine	000
27	34	43	000-255	Framing Blade 2B (outward-inward)	000
-	-	44	000-255	Framing Blade 2B Fine	000
28	35	45	000-255	Framing Blade 3A (outward-inward)	000
-	-	46	000-255	Framing Blade 3A Fine	000
29	36	47	000-255	Framing Blade 3B (outward-inward)	000
-	-	48	000-255	Framing Blade 3B Fine	000
30	37	49	000-255	Framing Blade 4A (outward-inward)	000
-	-	50	000-255	Framing Blade 4A Fine	000
31	38	51	000-255	Framing Blade 4B (outward-inward)	000
-	-	52	000-255	Framing Blade 4B Fine	000
Dimming Modes					
32	39	53	000-020	Standard dimming mode	000
			021-040	Stage dimming mode	
			041-060	TV dimming mode	
			061-080	Architectural dimming mode	
			081-100	Theatre dimming mode	
			101-255	Default dimming mode (set on fixture)	
33	40	54	000-255	Pan/tilt speed	000
34	41	55	000-015	No function	000
			016-024	Blackout while P/T on (hold 3s)	
			025-032	Blackout while P/T off (hold 5s)	
			033-040	Invert Pan on (hold 3s)	
			041-048	Invert Pan off (hold 5s)	
			049-056	Invert Tilt on (hold 3s)	
			057-064	Invert Tilt off (hold 5s)	
			065-072	Fan auto (hold 3s)	

DMX channel modes:

Basic 34CH	Standard 41CH	Extended 55CH	Value	Function	Default Value
34	41	55	073-080	Fan low (hold 3s)	000
			081-088	Fan high (hold 3s)	
			089-096	900Hz (hold 3s)	
			097-104	1000Hz (hold 3s)	
			105-112	1100Hz (hold 3s)	
			113-120	1200Hz (hold 3s)	
			121-128	1300Hz (hold 3s)	
			129-136	1400Hz (hold 3s)	
			137-144	1500Hz (hold 3s)	
			145-152	2500Hz (hold 3s)	
			153-160	4000Hz (hold 3s)	
			161-168	5000Hz (hold 3s)	
			169-176	10kHz (hold 3s)	
			177-184	15kHz (hold 3s)	
			185-192	20kHz (hold 3s)	
			193-200	25kHz (hold 3s)	
			201-208	Reset pan/tilt (hold 3s)	
			209-216	Reset head only (hold 3s)	
			217-224	Reset all motors (hold 3s)	
			225-255	No function	

Macro	Example	Cyan	Magenta	Yellow	Colour Wheel
1		50% split	50% split	0%	Open
2		100%	50% split	0%	Open
3		50% split	100%	0%	Open
4		33% split	33% split	0%	Open
5		0%	50% split	50% split	Open
6		0%	50% split	100%	Open
7		0%	100%	50% split	Open
8		0%	33% split	33% split	Open
9		50% split	50% split	50% split	Open
10		33% split	33% split	0%	Yellow

Dimming Curve Ramp Effect	0 second fade time		1 second fade time	
				
	Rise time (ms)	Down time (ms)	Rise time (ms)	Down time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280

Rotating gobos (in fixture):

Gobo size: 16.5mmØ

Image size: 12.5mmØ

Gobo thickness: 0.5mm (Max. thickness if replaced 1mm)



Rotating gobos (included additional pack):

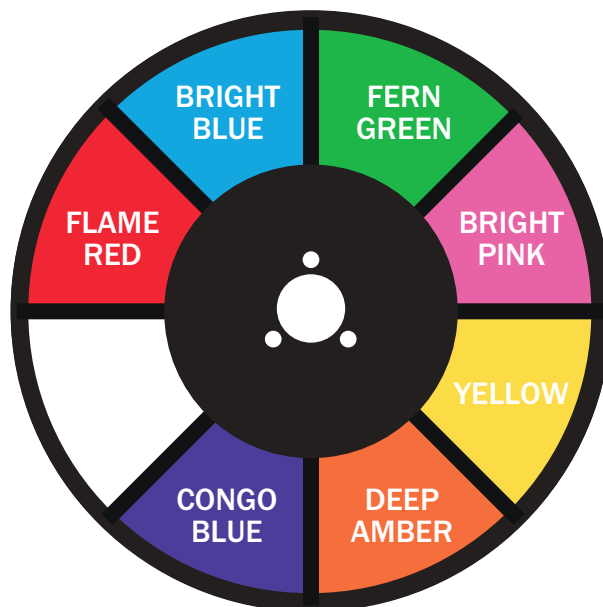
Gobo size: 15.6mmØ

Image size: 12.5mmØ

Gobo thickness: 0.5mm (Max. thickness if replaced 1mm)



Colour wheel:



Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a “start address” from 1- 512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100, 101, 102, 103, 104, 105 and 106. Choose a start address so that the channels used do not overlap. E.g. the next unit in the chain starts at 107.

DMX 512:

DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

DMX linking:

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

DATA cable (DMX cable) requirements (for DMX operation):

This fixture can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit requires either a standard 3-pin or 5-pin XLR connector for data input/output, see images below.



Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.

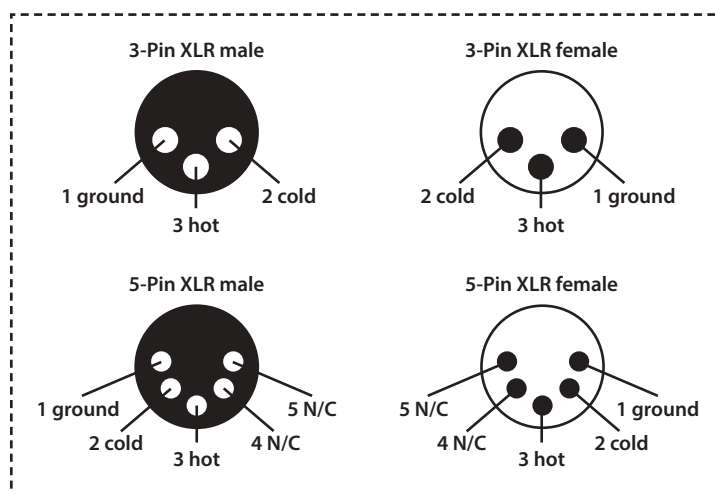
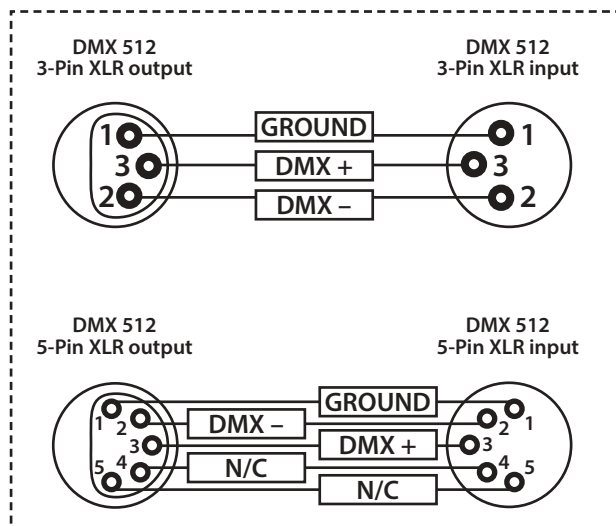
Please quote:	3-Pin:	CABL10 – 2m	CABL11 – 5m	CABL12 – 10m
	5-Pin:	CABL185 – 2m	CABL187 – 5m	CABL188 – 10m

Also remember that DMX cable must be daisy chained and cannot be split.

Notice:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behaviour.

Pin Configuration	
3-Pin	5-Pin
	Pin 1 - Ground
	Pin 2 - Negative
	Pin 3 - Positive
-	Pin 4 - N/C
-	Pin 5 - N/C



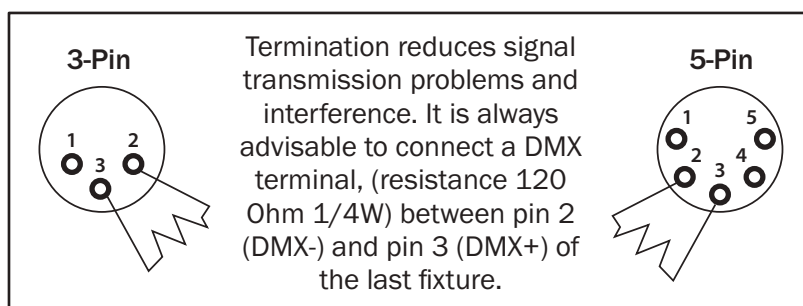
Line termination:

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

Using a cable terminator will decrease the possibilities of erratic behaviour.

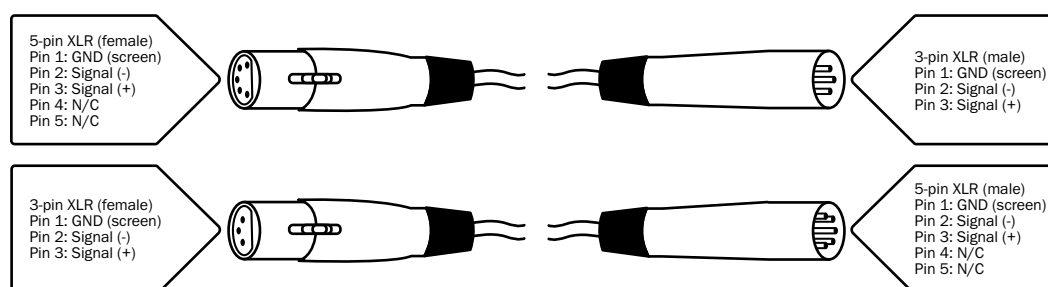
(3-pin - Order ref: CABL90,

5-pin - Order ref: CABL89)



5-pin XLR DMX connectors:

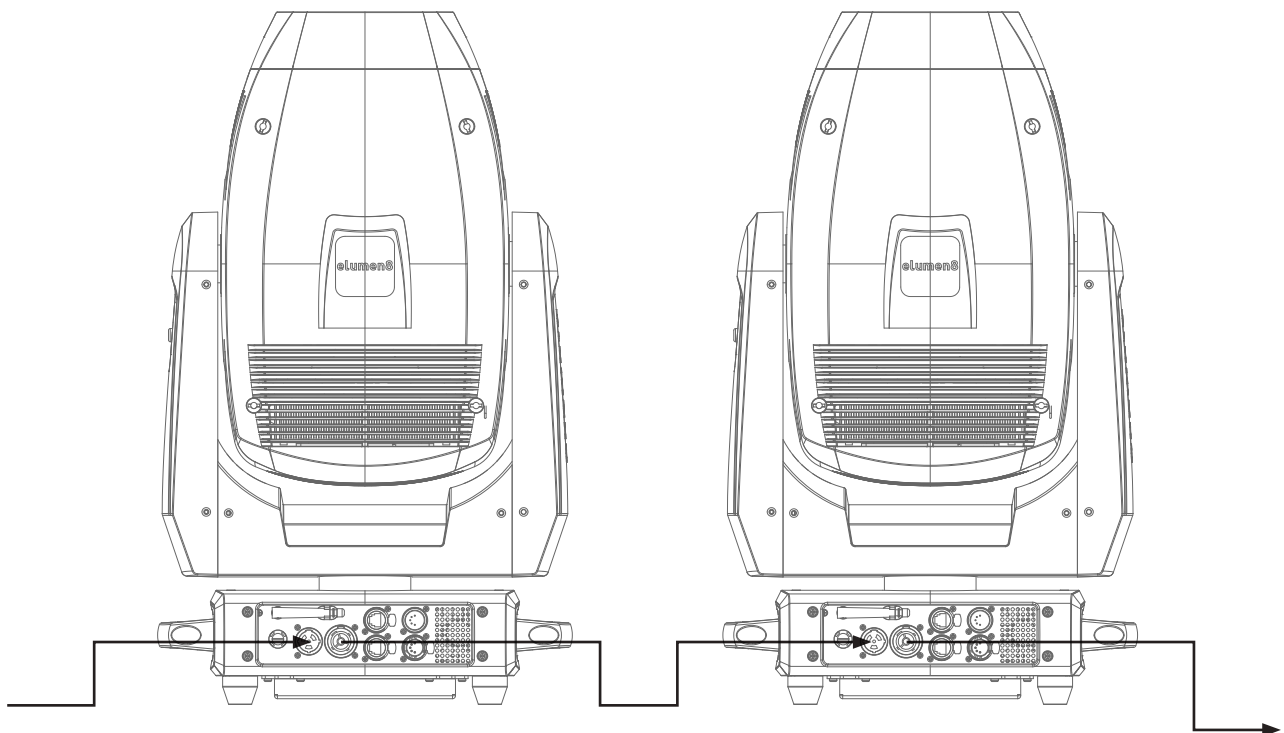
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



Power linking:

This fixture provides power linking via the power output on the rear allowing multiple units to be connected together. The maximum number of fixtures that can be connected via a 13A mains input is 5 fixtures @ 240V or 2 fixtures @ 120V (including the first fixture). After the maximum number of fixtures are connected a new power run will need to be started.

Please note: Caution should be used when power linking other fixtures to the Evora CMY350 Profile as the power consumption of other fixtures will vary. Fixtures fitted with lamps often require 2/3 times more current on startup, these may require their own power source.





***Correct Disposal of this Product
(Waste Electrical & Electronic Equipment)***

**(Applicable in the European Union and other European countries
with separate collection systems)**

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

