

# elumen8

## **Virtuoso 600 Profile HEX** User Manual



Order code: **ELUM131**

### 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 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.
- Never touch the fixture during operation as it may be hot.
- 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 your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Pro Light dealer for service.
- Only use fuses of same type and rating.
- 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.
- 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.

**Please note:** These fixtures are intended for stage lighting and entertainment applications only, and are not intended for extended periods of use, including but not limited to house-light, industrial or architectural applications and should only be operated with short duty cycles.

### Virtuoso 600 Profile HEX

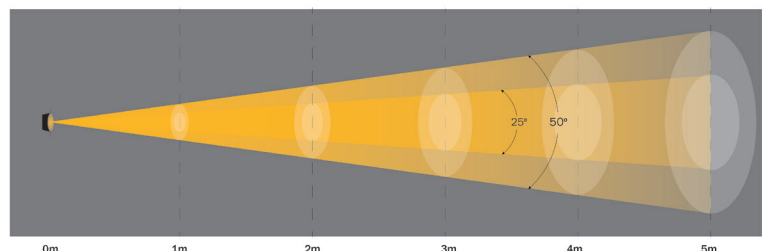
The Virtuoso 600 is a compact Profile that features an advanced LED Array (RGBALC) system which outputs a flat and even field and is suitable for many applications. HSIC/CMY colour management allows you to create virtually any colour whilst the virtual colour wheel provides direct access to many colours along with a 1800K to 10000K colour temperature control. On board features include DMX, RDM and adjustable PWM rate. The fixture is enclosed in a compact, robust chassis and features four framing shutters plus an M size gobo slot further expanding the versatility of this fixture.

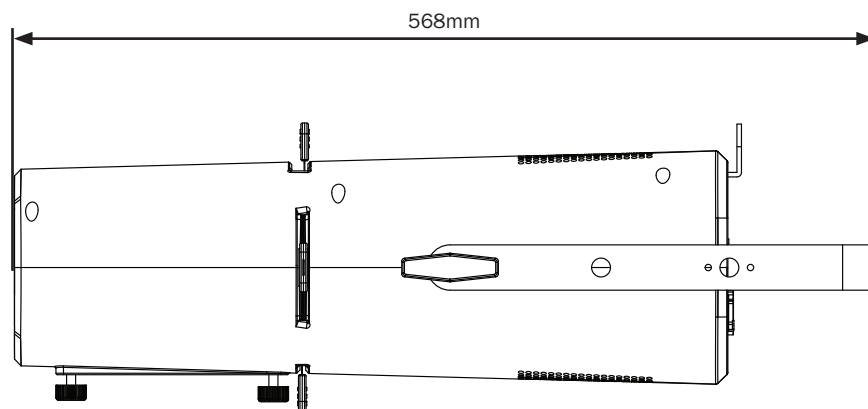
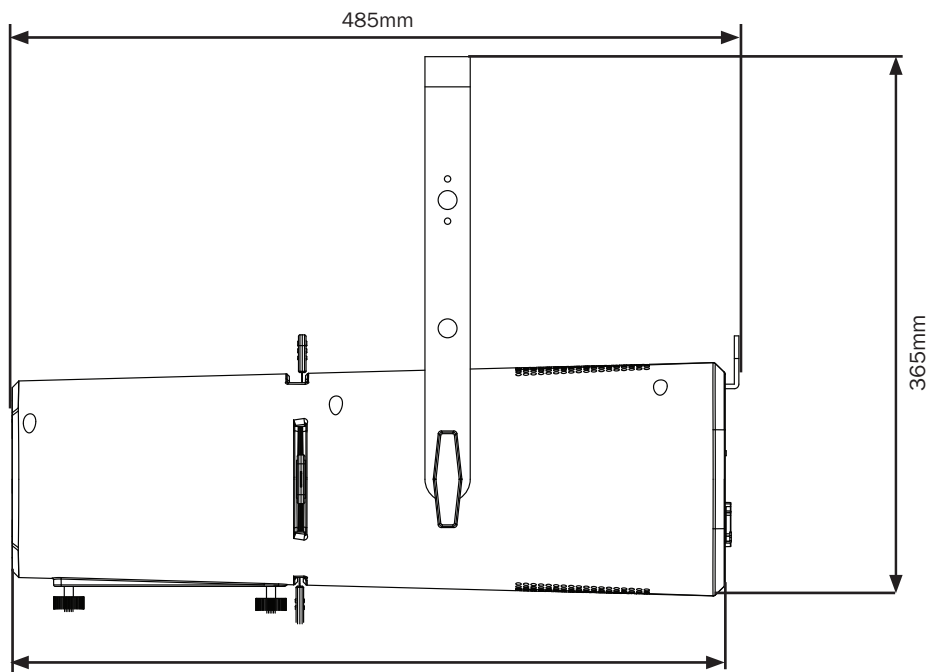
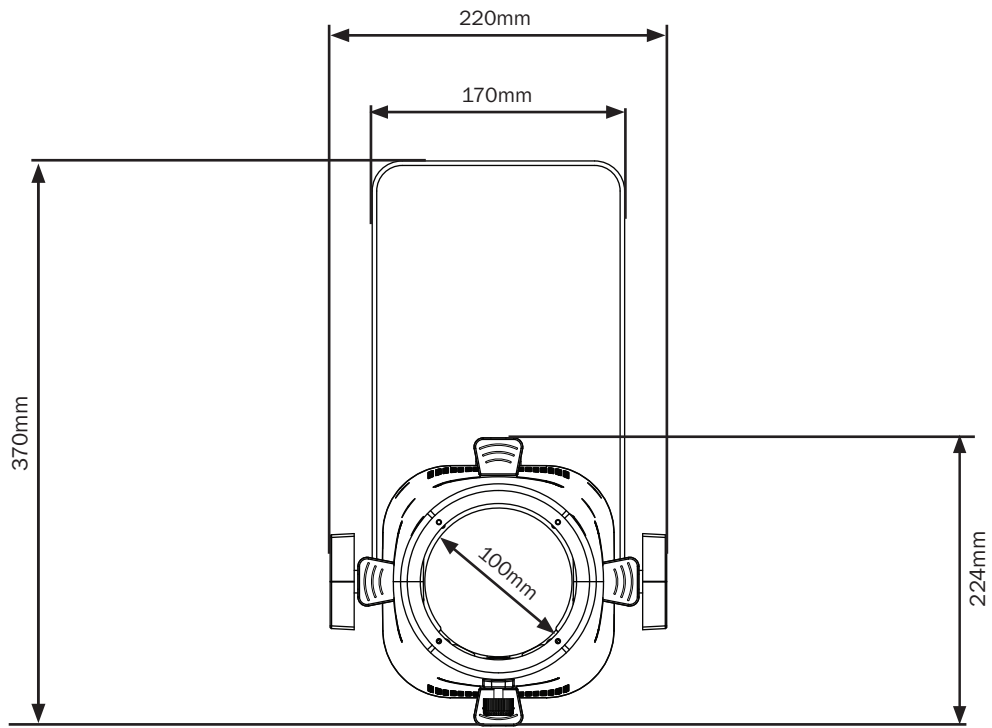
- 2 year warranty
- 1 x 200W six-colour LED Array (RGBALC)
- Manually adjustable beam angle: 25° - 50°
- 25° - 8,936 Lux @ 2m (full on)
- 50° - 3,348 Lux @ 2m (full on)
- CRI Ra: 97
- CRI R9: 97
- CQS: 86.9
- TLCI: 80
- Colour temperature: 1,800K-10,000K
- Refresh rate: 1.2kHz, 2.4kHz, 4kHz, 6kHz or 25kHz selectable
- Beam framing shutters
- M size gobo slot
- DMX channels: 3/6/7/9/10/11/13 or 20 selectable
- RDM (Remote Device Management)
- Auto, manual and primary/secondary modes
- 48 preset colour macros
- 0 - 100%, 8 or 16 bit dimming
- Variable strobe
- 4 button menu with LCD display
- PowerTwist TR1 input/output
- 5-Pin XLR input/output
- 3 selectable fan modes (live, studio and power)

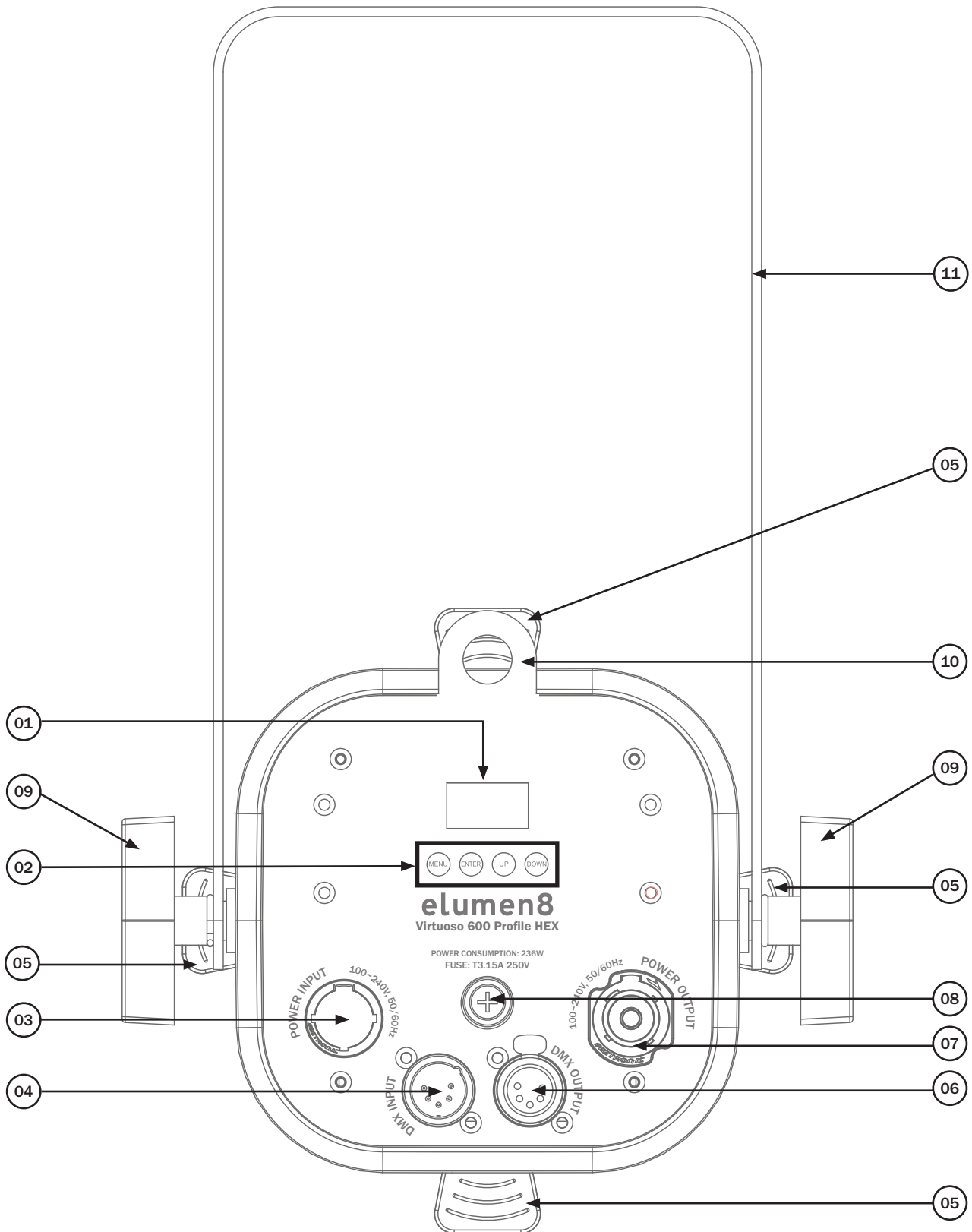


25° LUX	9032	2258	1004	564	361	Red
50° LUX	3232	808	359	202	129	
25° LUX	11828	2957	1314	739	473	Green
50° LUX	4424	1106	492	276	177	
25° LUX	1516	379	168	95	61	Blue
50° LUX	552	138	61	34	22	
25° LUX	10936	2734	1215	683	437	Amber
50° LUX	4020	1005	447	251	161	
25° LUX	25684	6421	2854	1605	1027	Lime
50° LUX	9364	2341	1040	585	375	
25° LUX	4120	1030	458	257	165	Cyan
50° LUX	1576	394	175	98	63	
25° LUX	35744	8936	3972	2234	1430	Full on
50° LUX	13392	3348	1488	837	536	

Specifications	Virtuoso 600 Profile HEX
Power consumption	236W
Power supply	100~240V, 50/60Hz
Fuse	T3.15A 250V
Dimensions	370 x 220 x 485mm
Weight	5.8kg
Order code	ELUM131







01 - LCD display

02 - Function buttons

03 - PowerTwist TR1 input

04 - 5-Pin DMX input

05 - Beam framing shutters

06 - 5-Pin DMX output

07 - PowerTwist TR1 output

08 - Fuse T3.15A 250V

09 - Hanging bracket  
adjustment knobs

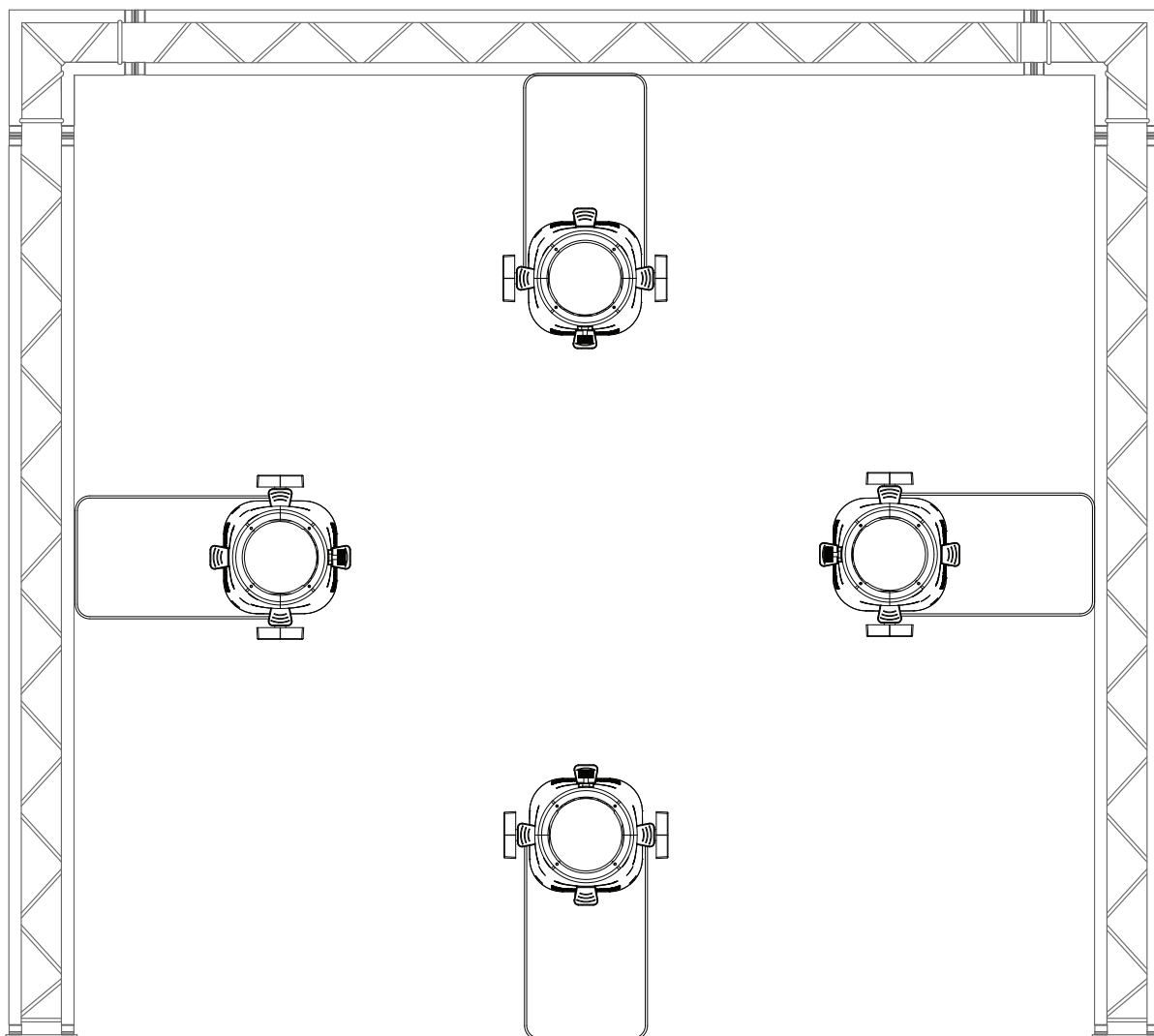
10 - Safety eye

11 - Hanging bracket

In the box: **1 x fixture,**  
**1 x safety wire &**  
**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.

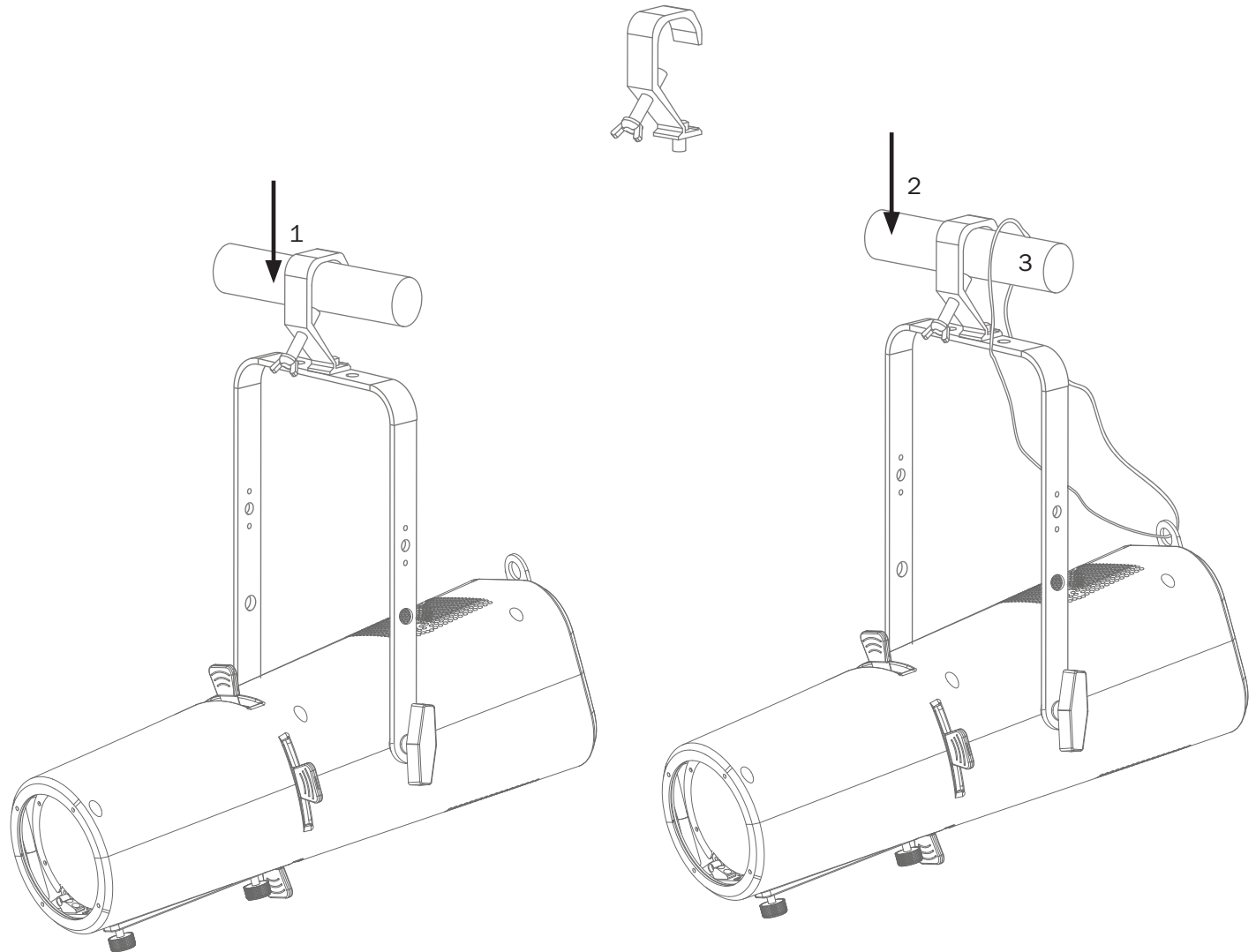
Overhead installation requires experience and qualifications to calculate working load limits, the material being used at the installation area and periodic safety inspections of the fixture and installation material. If you do not have the relevant experience and/or qualifications please do not attempt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



The Elumen8 Virtuoso 600 Profile HEX can be operated in a number of mounting positions as shown in the diagram above, hanging upside-down from the ceiling or truss, mounting sideways on truss or stood upright on a flat level surface. 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.

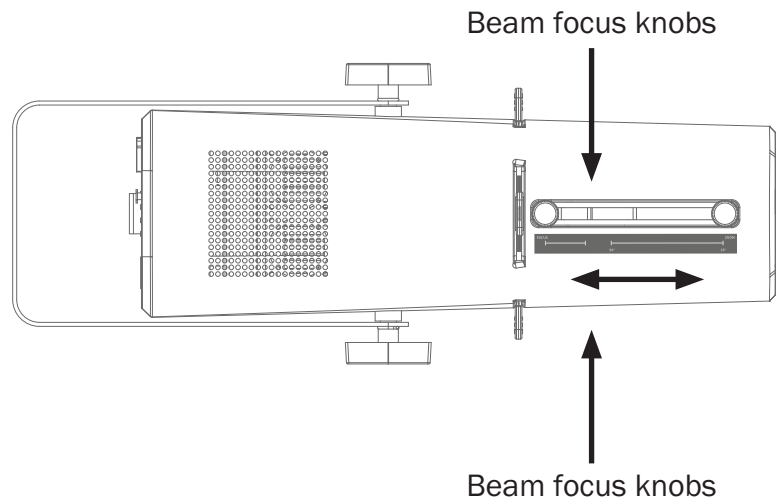
### Installation:

1. Fasten the clamp to the fixtures bracket with a bolt and lock nut through one of the mounting holes.
2. Mount the fixture onto your truss system via the clamp and tighten to ensure secure.
3. Pull the safety cable through the fixture bracket and around the truss.



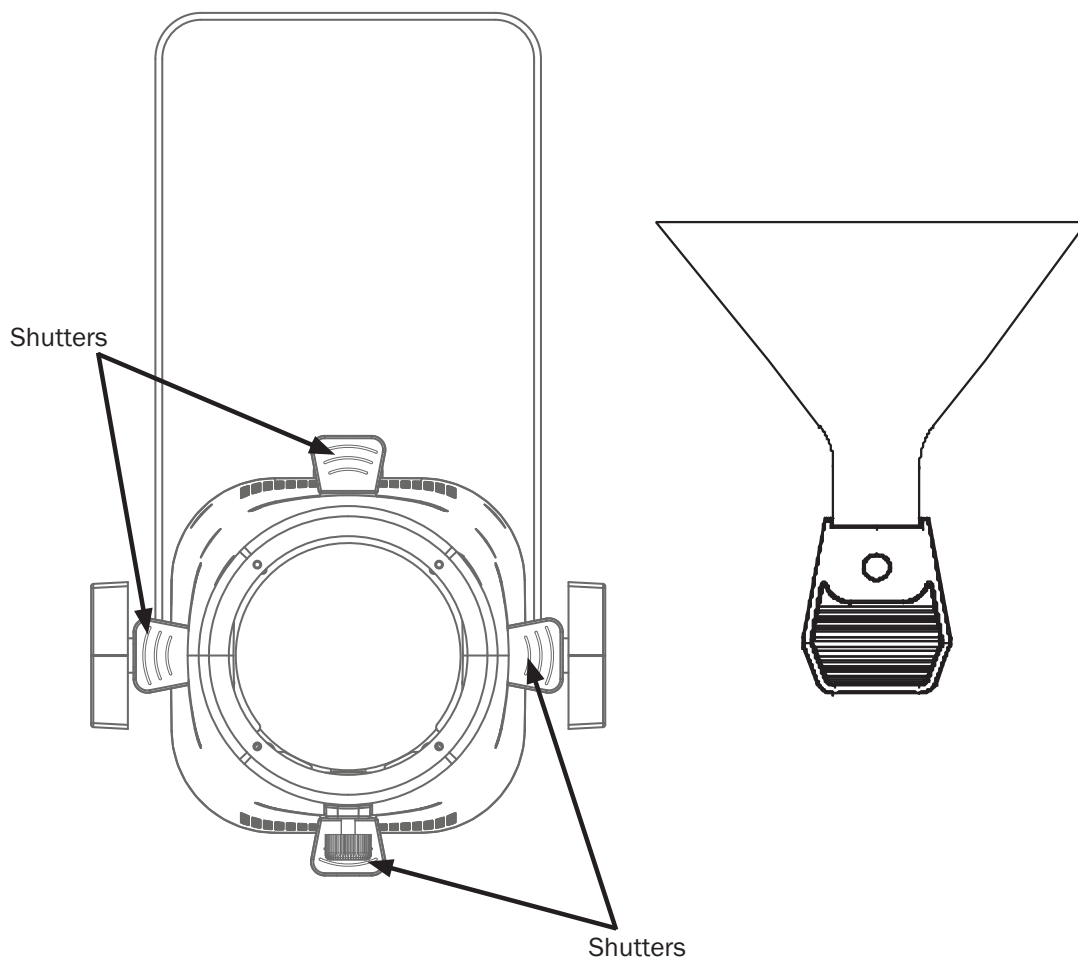
### Beam Focus:

1. Loosen the beam focus knobs located at the bottom of the barrel.
2. Slide the lens tube forward or backward until you achieve the desired focus.
3. Once the fixture is focused, tighten the beam focus knobs.



### Shutters:

The shutters are located inside the barrel. They can be adjusted via the shutter handles to adjust the shape of the beam.



Main Menu	Sub Menus	Values (Default Settings in BOLD)	Description	
STATIC	RED	000-255	Manual mode	
	GREEN	000-255		
	BLUE	000-255		
	AMBER	000-255		
	LIME	000-255		
	CYAN	000-255		
	STROBE	000-25		
	PRESET COLOUR*	COL 1		Preset Colours
		COL 2		
		...		
		COL 48		
	CCT	1800K		Colour temperature presets
		2200K		
		2700K		
		3000K		
		3200K		
		4000K		
		4500K		
		5000K		
5600K				
6000K				
6500K				
7000K				
8000K				
10000K				
ADDRESS		<b>001</b> -512	DMX address settings	
RUN MODE		<b>DMX</b>	Run mode settings	
		SECONDARY		
PERSONALITY	BASIC (3CH)		DMX channel mode settings	
	BASIC+ (6CH)			
	<b>SIMPLE (7CH)</b>			
	HSIC (9CH)			
	CMY (10CH)			
	SIMPLE+ (11CH)			
	8BIT (13CH)			
	16BIT (20CH)			
AUTO PROGRAM	AUTO 1	000-255	Auto/custom programs	
	AUTO 2	000-255		
	AUTO 3	000-255		
	AUTO 4	000-255		
	AUTO 5	000-255		

\*PRESET COLOUR - Colour setup (check pages 19-20)

Main Menu	Sub Menus		Values (Default Settings in BOLD)	Description	
AUTO PROGRAM	AUTO 6		000-255	Auto/custom programs	
	AUTO 7		000-255		
	AUTO 8		000-255		
	AUTO 9		000-255		
	AUTO 10		000-255		
	PR 1				
	PR 2				
EDIT	PROGRAM 1-2	SCENE 1-10	RED	000-255	Custom program settings
			GREEN	000-255	
			BLUE	000-255	
			AMBER	000-255	
			LIME	000-255	
			CYAN	000-255	
			STROBE	000-25	
			TIME	000-255	
	FADE	000-255			
	UPLOAD	PASSCODE (<UP>, <DOWN>, <UP>, <DOWN>, <ENTER>)	SEND		Send custom programs to secondary fixtures
SETTING	PASSCODE (<UP>, <DOWN>, <UP>, <DOWN>, <ENTER>)	RESET	PASSCODE (<UP>, <DOWN>, <UP>, <DOWN>, <ENTER>)	Restore factory settings	
		DIMMER	OFF		Dimmer settings
			DIM1		
			DIM2		
			DIM3		
			<b>DIM4</b>		
		DIMMER CURVE	LINEAR		Dimming Curve settings
			<b>SQUARE LAW</b>		
			INV. SQUARE LAW		
			S-CURVE		
		TUNGSTEN FADE	ON		Colour effect settings
			<b>OFF</b>		
		DMX ERROR	<b>SAVE</b>		DMX fail settings
BLACK					
PWM_RATE	<b>1200HZ</b>		Refresh rate settings		
	2400HZ				
	4000HZ				
	6000HZ				
	25000HZ				

Main Menu	Sub Menus		Values (Default Settings in BOLD)	Description		
SETTING	PASSCODE (<UP>, <DOWN>, <UP>, <DOWN>, <ENTER>)	FAN	<b>LIVE</b>	Fan speed settings		
			POWER			
			STUDIO			
		DISP KEY	<b>ON</b>	Display lock setting (passcode is <UP>, <DOWN>, <UP>, <DOWN>, <ENTER>)		
			OFF			
		DISP TIME	ON	Display backlight settings		
			10S			
			<b>30S</b>			
			2MIN			
		COLOUR CALI	OFF	Colour calibration settings		
			USER CALIB		RED	000-255
					GREEN	000-255
					BLUE	000-255
AMBER	000-255					
LIME	000-255					
CYAN	000-255					
FACTORY CALIB						
INFO	FIXTURE HOURS		xxh	Fixture hours		
	VERSION		VXXXXXXXXX	Software version		
	RDM	UID	0X09a5XXXXXXXX	Fixture VID		
		LABEL	Virtuoso 600 Profile HEX	Fixture model		

### DMX channel modes:

#### 3 channel mode (BASIC):

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	<b>Colour presets</b>	
	000-010	No function
	011-250	Preset Colour (pages 19-20)
	251-255	Full on (white)
CH3	<b>Colour temperature presets</b>	
	000-009	No function
	010-024	1800K
	025-039	2200K
	040-054	2700K
	055-069	3000K
	070-084	3200K
	085-099	4000K
	100-114	4500K
	115-129	5000K
	130-144	5600K
	145-159	6000K
	160-174	6500K
	175-189	7000K
	190-204	8000K
205-255	10000K	

### 6 channel mode (BASIC+):

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	<b>Colour presets</b>	
	000-010	No function
	011-250	Preset Colour (pages 19-20)
	251-255	Full on (white)
CH3	<b>Colour temperature presets</b>	
	000-009	No function
	010-024	1800K
	025-039	2200K
	040-054	2700K
	055-069	3000K
	070-084	3200K
	085-099	4000K
	100-114	4500K
	115-129	5000K
	130-144	5600K
	145-159	6000K
	160-174	6500K
	175-189	7000K
	190-204	8000K
205-255	10000K	
CH4	<b>Strobe</b>	
	000-009	No function
	010-099	Strobe (slow-fast)
	100-109	No function
	110-179	Lightning strobe (slow-fast)
	180-189	No function
190-255	Random strobe (slow-fast)	
CH5	<b>Dimmer (hold 3s)</b>	
	000-009	Dimming mode (set in menu)
	010-029	No function
	030-069	Linear
	070-129	Square law
	130-189	Inverse square law
190-255	S-Curve	
CH6	<b>Fan (hold 3s)</b>	
	000-009	No function
	010-080	Live performance mode
	081-160	Studio performance mode
	161-240	Power performance mode
241-255	No function	

### 7 channel mode (SIMPLE):

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-255	Red dimmer (0-100%)
CH3	000-255	Green dimmer (0-100%)
CH4	000-255	Blue dimmer (0-100%)
CH5	000-255	Amber dimmer (0-100%)
CH6	000-255	Lime dimmer (0-100%)
CH7	000-255	Cyan dimmer (0-100%)

### 9 channel mode (HSIC):

Channel	Value	Function
CH1	000-255	Intensity (0-100%)
CH2	000-255	Hue
CH3	000-255	Hue fine
CH4	000-255	Saturation
CH5	<b>Colour temperature presets</b>	
	000-009	No function
	010-024	1800K
	025-039	2200K
	040-054	2700K
	055-069	3000K
	070-084	3200K
	085-099	4000K
	100-114	4500K
	115-129	5000K
	130-144	5600K
	145-159	6000K
	160-174	6500K
	175-189	7000K
	190-204	8000K
205-255	10000K	
CH6	<b>Strobe</b>	
	000-009	No function
	010-099	Strobe (slow-fast)
	100-109	No function
	110-179	Lightning strobe (slow-fast)
	180-189	No function
190-255	Random strobe (slow-fast)	
CH7	<b>Dimmer (hold 3s)</b>	
	000-009	Dimming mode (set in menu)
	010-029	No function
	030-069	Linear
	070-129	Square law
	130-189	Inverse square law
190-255	S-Curve	
CH8	<b>Fan (hold 3s)</b>	
	000-009	No function
	010-080	Live performance mode
	081-160	Studio performance mode
	161-240	Power performance mode
241-255	No function	

### 9 channel mode (HSIC)(cont.):

Channel	Value	Function
CH9	<b>Refresh rate (hold 3s)</b>	
	000-009	No function
	010-029	1200Hz
	030-069	2400Hz
	070-129	4000Hz
	130-189	6000Hz
190-255	25000Hz	

## 10 channel mode (CMY):

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-255	Cyan dimmer (0-100%)
CH3	000-255	Magenta dimmer (0-100%)
CH4	000-255	Yellow dimmer (0-100%)
CH5	<b>Colour presets</b>	
	000-010	No function
	011-250	Preset Colour (pages 19-20)
	251-255	Full on (white)
CH6	<b>Colour temperature presets</b>	
	000-009	No function
	010-024	1800K
	025-039	2200K
	040-054	2700K
	055-069	3000K
	070-084	3200K
	085-099	4000K
	100-114	4500K
	115-129	5000K
	130-144	5600K
	145-159	6000K
	160-174	6500K
	175-189	7000K
	190-204	8000K
205-255	10000K	
CH7	<b>Strobe</b>	
	000-009	No function
	010-099	Strobe (slow-fast)
	100-109	No function
	110-179	Lightning strobe (slow-fast)
	180-189	No function
190-255	Random strobe (slow-fast)	
CH8	<b>Dimmer (hold 3s)</b>	
	000-009	Dimming mode (set in menu)
	010-029	No function
	030-069	Linear
	070-129	Square law
	130-189	Inverse square law
190-255	S-Curve	
CH9	<b>Fan (hold 3s)</b>	
	000-009	No function

## 10 channel mode (CMY)(cont.):

Channel	Value	Function
CH9	010-080	Live performance mode
	081-160	Studio performance mode
	161-240	Power performance mode
	241-255	No function
CH10	<b>Refresh rate (hold 3s)</b>	
	000-009	No function
	010-029	1200Hz
	030-069	2400Hz
	070-129	4000Hz
	130-189	6000Hz
190-255	25000Hz	

### 11 channel mode (SIMPLE+):

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-255	Red dimmer (0-100%)
CH3	000-255	Green dimmer (0-100%)
CH4	000-255	Blue dimmer (0-100%)
CH5	000-255	Amber dimmer (0-100%)
CH6	000-255	Lime dimmer (0-100%)
CH7	000-255	Cyan dimmer (0-100%)
CH8	<b>Strobe</b>	
	000-009	No function
	010-099	Strobe (slow-fast)
	100-109	No function
	110-179	Lightning strobe (slow-fast)
	180-189	No function
	190-255	Random strobe (slow-fast)
CH9	<b>Dimmer (hold 3s)</b>	
	000-009	Dimming mode (set in menu)
	010-029	No function
	030-069	Linear
	070-129	Square law
	130-189	Inverse square law
	190-255	S-Curve
CH10	<b>Fan (hold 3s)</b>	
	000-009	No function
	010-080	Live performance mode
	081-160	Studio performance mode
	161-240	Power performance mode
	241-255	No function
CH11	<b>Refresh rate (hold 3s)</b>	
	000-009	No function
	010-029	1200Hz
	030-069	2400Hz
	070-129	4000Hz
	130-189	6000Hz
	190-255	25000Hz

### 13 channel mode (8BIT):

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-255	Red dimmer (0-100%)
CH3	000-255	Green dimmer (0-100%)
CH4	000-255	Blue dimmer (0-100%)
CH5	000-255	Amber dimmer (0-100%)
CH6	000-255	Lime dimmer (0-100%)
CH7	000-255	Cyan dimmer (0-100%)
CH8	<b>Colour presets</b>	
	000-010	No function
	011-250	Preset Colour (pages 19-20)
	251-255	Full on (white)
CH9	<b>Colour temperature presets</b>	
	000-009	No function
	010-024	1800K
	025-039	2200K
	040-054	2700K
	055-069	3000K
	070-084	3200K
	085-099	4000K
	100-114	4500K
	115-129	5000K
	130-144	5600K
	145-159	6000K
	160-174	6500K
	175-189	7000K
	190-204	8000K
205-255	10000K	
CH10	<b>Strobe</b>	
	000-009	No function
	010-099	Strobe (slow-fast)
	100-109	No function
	110-179	Lightning strobe (slow-fast)
	180-189	No function
190-255	Random strobe (slow-fast)	
CH11	<b>Dimmer (hold 3s)</b>	
	000-009	Dimming mode (set in menu)
	010-029	No function
	030-069	Linear
	070-129	Square law
	130-189	Inverse square law
190-255	S-Curve	

### 13 channel mode (8BIT)(cont.):

Channel	Value	Function
CH12	<b>Fan (hold 3s)</b>	
	000-009	No function
	010-080	Live performance mode
	081-160	Studio performance mode
	161-240	Power performance mode
	241-255	No function
CH13	<b>Refresh rate (hold 3s)</b>	
	000-009	No function
	010-029	1200Hz
	030-069	2400Hz
	070-129	4000Hz
	130-189	6000Hz
190-255	25000Hz	

## 20 channel mode (16BIT):

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-255	Master dimmer fine (0-100%)
CH3	000-255	Red dimmer (0-100%)
CH4	000-255	Red dimmer fine (0-100%)
CH5	000-255	Green dimmer (0-100%)
CH6	000-255	Green dimmer fine (0-100%)
CH7	000-255	Blue dimmer (0-100%)
CH8	000-255	Blue dimmer fine (0-100%)
CH9	000-255	Amber dimmer (0-100%)
CH10	000-255	Amber dimmer fine (0-100%)
CH11	000-255	Lime dimmer (0-100%)
CH12	000-255	Lime dimmer fine (0-100%)
CH13	000-255	Cyan dimmer (0-100%)
CH14	000-255	Cyan dimmer fine (0-100%)
CH15	<b>Colour presets</b>	
	000-010	No function
	011-250	Preset Colour (pages 19-20)
	251-255	Full on (white)
CH16	<b>Colour temperature presets</b>	
	000-009	No function
	010-024	1800K
	025-039	2200K
	040-054	2700K
	055-069	3000K
	070-084	3200K
	085-099	4000K
	100-114	4500K
	115-129	5000K
	130-144	5600K
	145-159	6000K
	160-174	6500K
	175-189	7000K
190-204	8000K	
205-255	10000K	
CH17	<b>Strobe</b>	
	000-009	No function
	010-099	Strobe (slow-fast)
	100-109	No function
	110-179	Lightning strobe (slow-fast)
	180-189	No function
190-255	Random strobe (slow-fast)	

## 20 channel mode (16BIT)(cont.):

Channel	Value	Function
CH18	<b>Dimmer (hold 3s)</b>	
	000-009	Dimming mode (set in menu)
	010-029	No function
	030-069	Linear
	070-129	Square law
	130-189	Inverse square law
190-255	S-Curve	
CH19	<b>Fan (hold 3s)</b>	
	000-009	No function
	010-080	Live performance mode
	081-160	Studio performance mode
	161-240	Power performance mode
241-255	No function	
CH20	<b>Refresh rate (hold 3s)</b>	
	000-009	No function
	010-029	1200Hz
	030-069	2400Hz
	070-129	4000Hz
	130-189	6000Hz
190-255	25000Hz	

	Description			DMX Values
Preset Colour	Blackout	No Function	Blackout	000-010
	Colour 1	L176	Loving Amber	011-015
	Colour 2	R40	Light Salmon	016-020
	Colour 3	L24	Scarlet	021-025
	Colour 4	L164	Flame Red	026-030
	Colour 5	L747	Easy White	031-035
	Colour 6	R303	Warm Peach	036-040
	Colour 7	L08	Dark Salmon	041-045
	Colour 8	L25	Sunset Red	046-050
	Colour 9	L04	Medium Bastard Amber	051-055
	Colour 10	L237	CID (To Tungsten)	056-060
	Colour 11	R321	Soft Golden Amber	061-065
	Colour 12	L652	Urban Sodium	066-070
	Colour 13	L212	LCT Yellow (Y1)	071-075
	Colour 14	L765	LEE Yellow	076-080
	Colour 15	L513	Ice And A Slice	081-085
	Colour 16	L100	Spring Yellow	086-090
	Colour 17	L244	LEE Plus Green	091-095
	Colour 18	R4430	CalColor 30 Green	096-100
	Colour 19	L122	Fern Green	101-105
	Colour 20	L90	Dark Yellow Green	106-110
	Colour 21	L243	LEE Fluorescent 3600K	111-115
	Colour 22	R92	Turquoise	116-120
	Colour 23	R94	Kelly Green	121-125
	Colour 24	L327	Forest Green	126-130
	Colour 25	L191	Cosmetic Aqua Blue	131-135
	Colour 26	L728	Steel Green	136-140
	Colour 27	L117	Steel Blue	141-145
	Colour 28	L354	Special Steel Blue	146-150
	Colour 29	L53	Paler Lavender	151-155
	Colour 30	L501	New Colour Blue	156-160
	Colour 31	L174	Dark Steel Blue	161-165
	Colour 32	L165	Daylight Blue	166-170
	Colour 33	L136	Pale Lavender	171-175
	Colour 34	L194	Surprise Pink	176-180
	Colour 35	L142	Pale Violet	181-185
	Colour 36	L700	Perfect Lavender	186-190
	Colour 37	L35	Light Pink	191-195
	Colour 38	L794	Pretty'n Pink	196-200
	Colour 39	L328	Follies Pink	201-205
Colour 40	L795	Magical Magenta	206-210	

	Description			DMX Values
Preset colour (cont.)	Colour 41	L154	Pale Rose	211-215
	Colour 42	L127	Smokey Pink	216-220
	Colour 43	L192	Flesh Pink	221-225
	Colour 44	L332	Special Rose Pink	226-230
	Colour 45	L790	Moroccan Pink	231-235
	Colour 46	L157	Pink	236-240
	Colour 47	R332	Cherry Rose	241-245
	Colour 48	L128	Cool LED Bright Pink	246-250
	Blackout	No Function	Blackout	251-255

### Colour temperature preset values:

CCT	Values								
	R	G	B	A	L	C	CCT	R9	RA
1800K	236	36	77	255	175	60	1801K	98	95
2200K	213	97	88	255	178	119	2197K	98	96
2700K	213	95	121	255	215	147	2694K	97	97
3000K	201	104	128	255	215	170	2990K	98	98
3200K	194	117	138	255	215	173	3181K	98	98
4000K	184	160	164	255	216	194	3950K	92	96
4500K	183	175	183	255	221	206	4476K	86	96
5000K	177	182	200	255	225	213	4973K	87	96
5600K	190	184	220	255	247	240	5583K	81	95
6000K	183	184	228	255	247	247	6041K	81	95
6500K	173	184	237	255	248	249	6491K	89	96
7000K	168	191	247	253	253	255	7004K	96	97
8000K	159	183	253	236	253	255	7974K	97	98
10000K	150	177	255	210	244	250	10043K	95	97

### 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 manufacturers 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 a standard 5-pin XLR connector for data input/output, see images below.



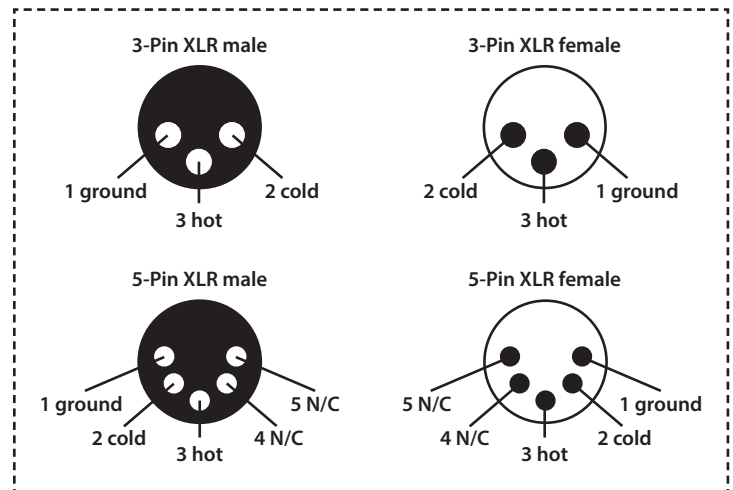
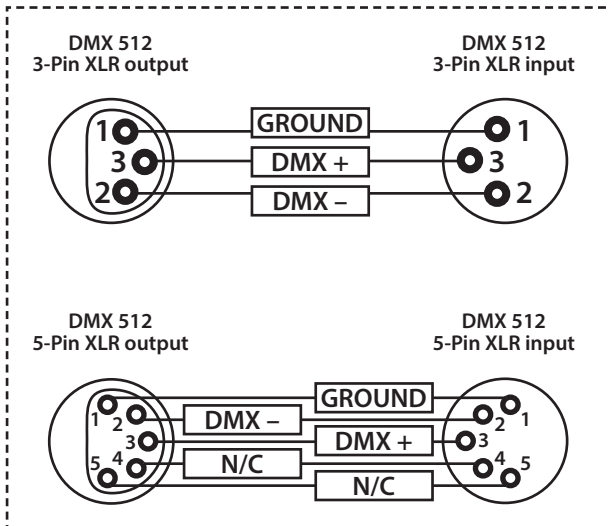
Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.  
Please quote: 5-Pin: **CABL185 - 2m** **CABL187 - 5m** **CABL188 - 10m**

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

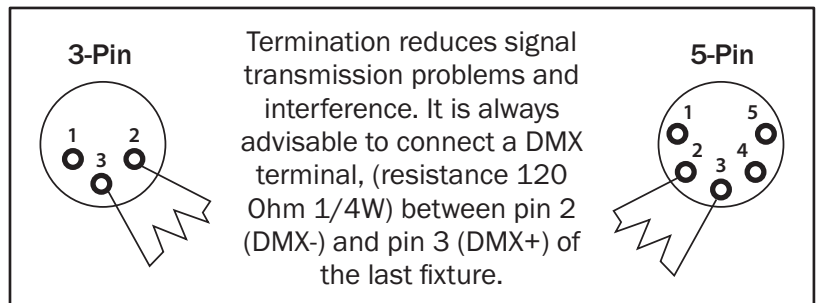


**Line termination:**

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

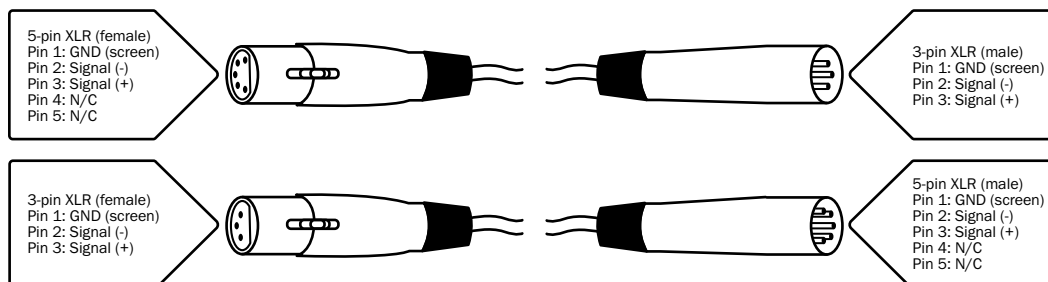
**Using a cable terminator will decrease the possibilities of erratic behaviour.**

(3-pin - Order ref: CABL90,  
5-pin - Order ref: CABL89)



**5-pin XLR DMX connectors:**

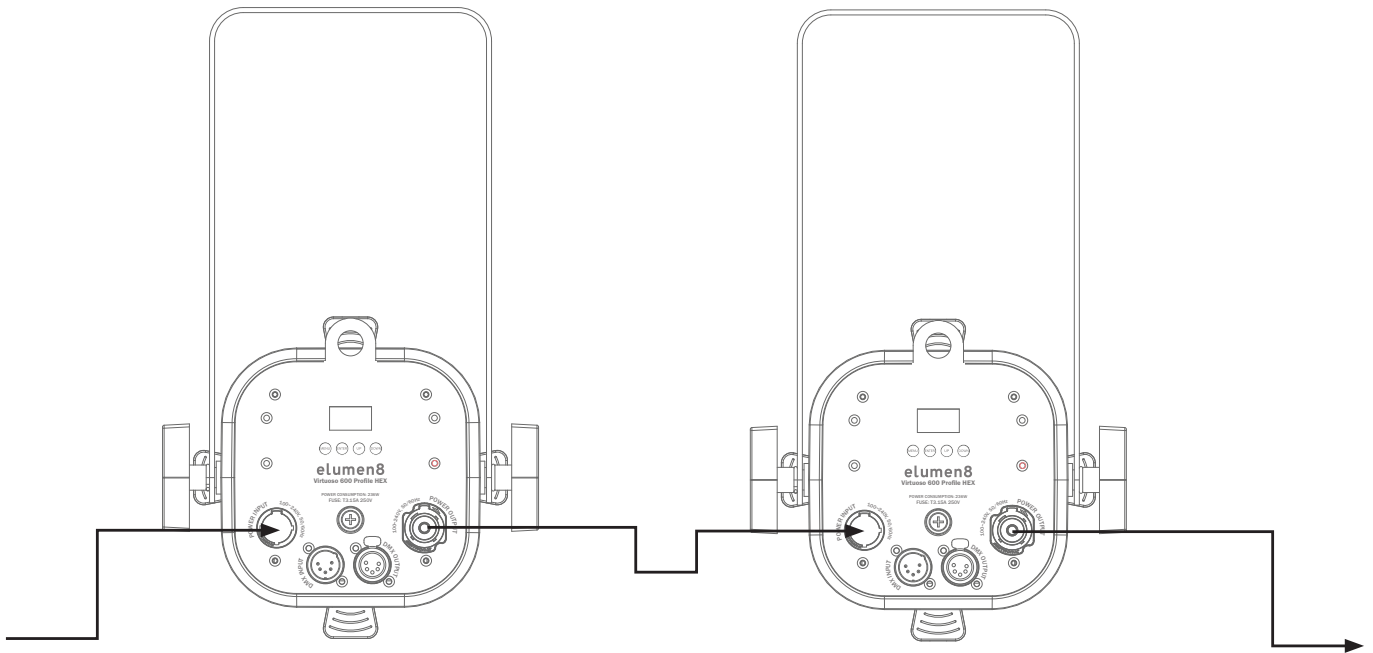
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



### 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 is 8 fixtures @ 240V or 4 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 Virtuoso 600 Profile HEX 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.

This notice does not imply a requirement for the product to be returned to the manufacturer or supplier, disposal should be carried out via appropriate authorised recycling facilities in accordance with local regulations.

