

elumen8

Virtuoso 600 Profile RGBAL **V100**

User Manual



Order code: ELUM134

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 RGBAL

The Virtuoso 600 is a compact Profile that features an advanced RGBAL LED 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.

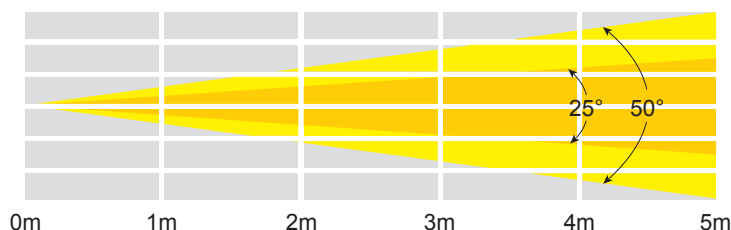
- 2 year warranty
- 1 x 150W five-colour LED Array (RGBAL)
- Manually adjustable beam angle: 25° - 50°
- 25° - 10,020 Lux @ 2m, 50° - 3,330 Lux @ 2m
- CRI (3200K): 93
- Colour temperature: 1,800K-10,000K
- Refresh rate: 1.2kHz, 2.4kHz, 4kHz, 6kHz or 25kHz selectable
- Beam framing shutters
- M size gobo slot
- DMX channels: 3/7/7/10/12 or 18 selectable
- RDM (Remote Device Management)
- Auto and master/slave 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, power and studio)

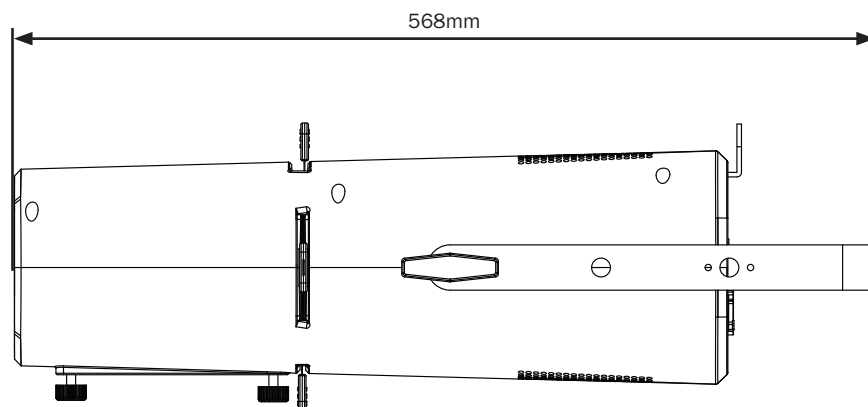
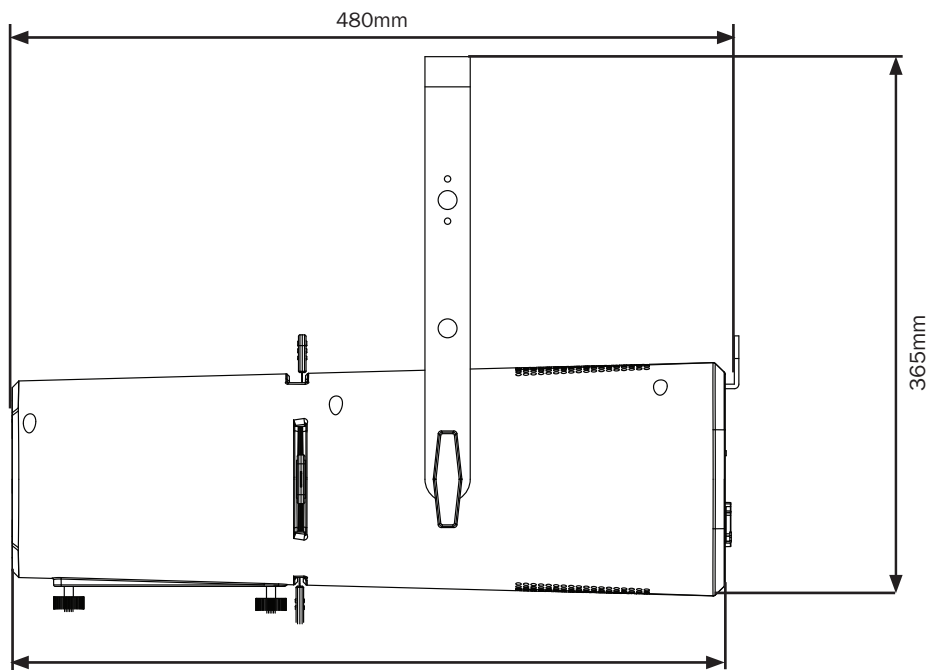
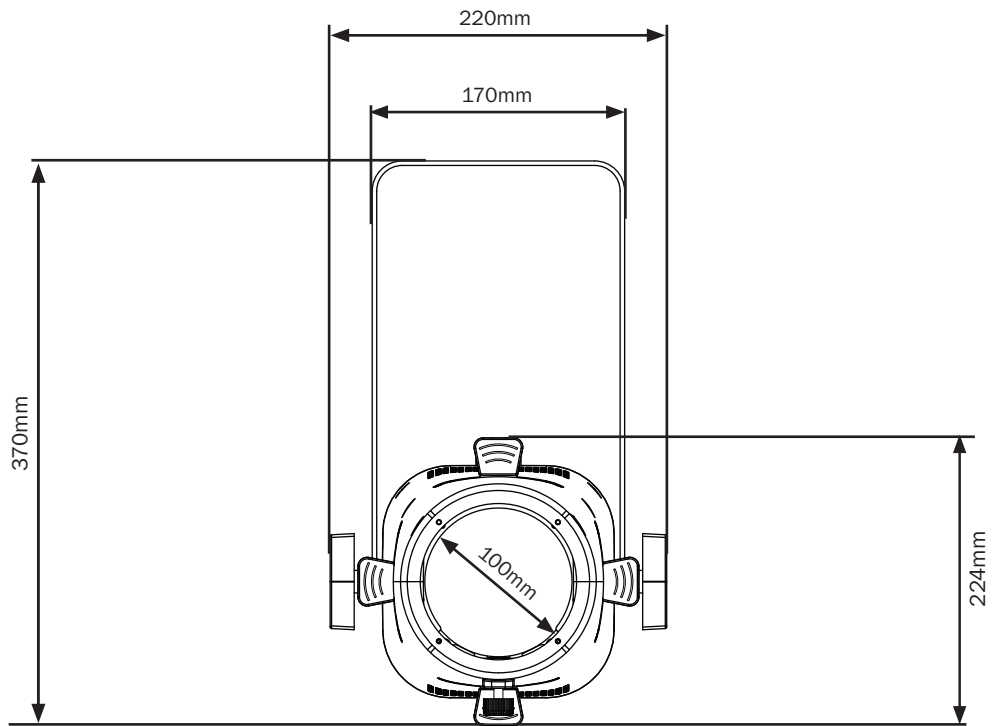


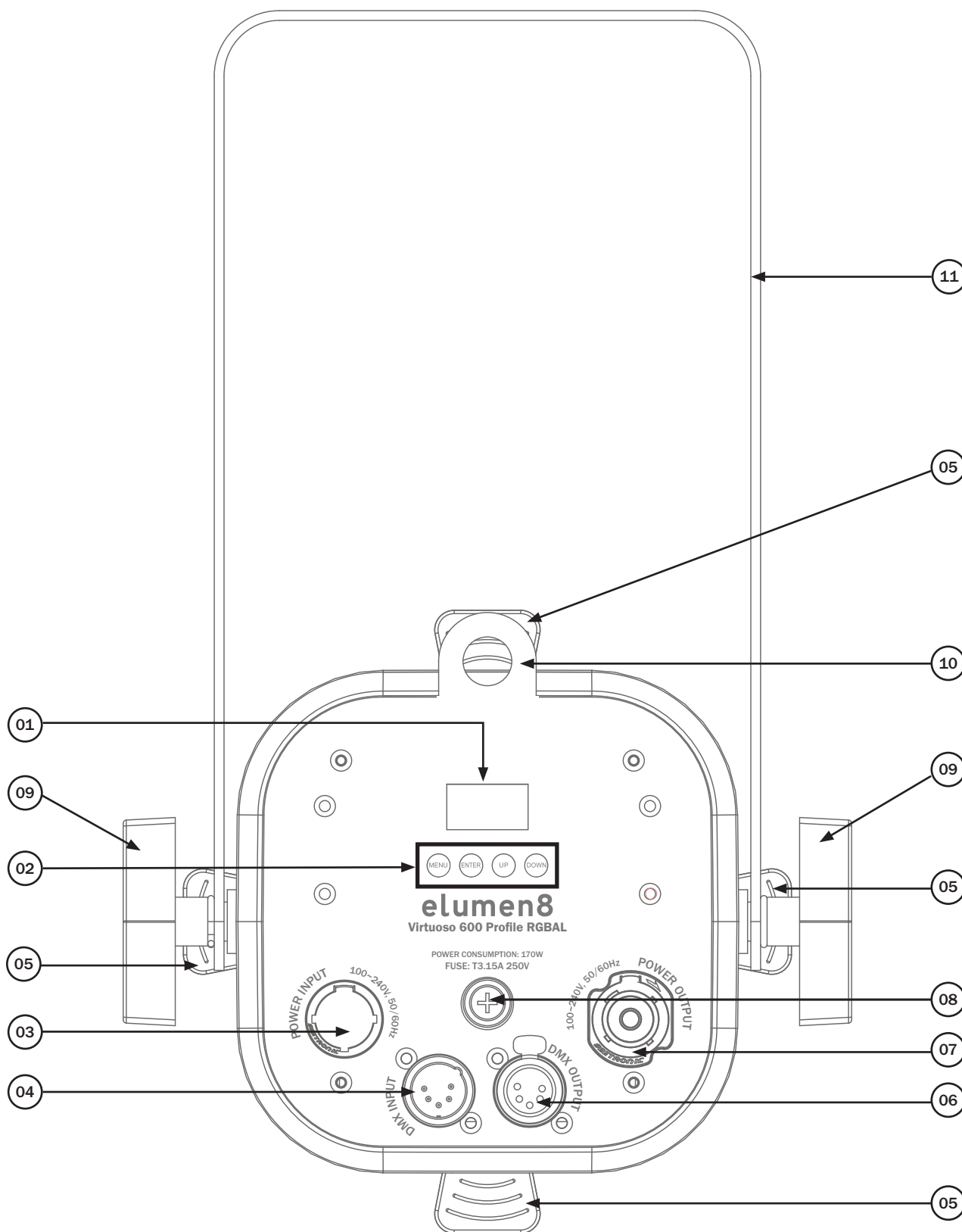
Specifications	Virtuoso 600 Profile RGBAL
Power consumption	170W
Power supply	100~240V, 50/60Hz
Fuse	T3.15A 250V
Dimensions	370 x 220 x 480mm
Weight	6.1kg
Order code	ELUM134

25° - Lux					
FULL ON	40080	10020	4453	2505	1603
R	6280	1570	698	393	251
G	6968	1742	774	436	279
B	1368	342	152	86	55
A	7888	1972	876	493	316
L	19596	4899	2177	1225	784

50° - Lux					
FULL ON	13320	3330	1480	833	533
R	1980	495	220	124	79
G	2348	587	261	147	94
B	456	114	51	29	18
A	2804	701	312	175	112
L	6304	1576	700	394	252







- 01 - LCD display
- 02 - Function buttons
- 03 - PowerTwist TR1 input
- 04 - 5-Pin DMX input

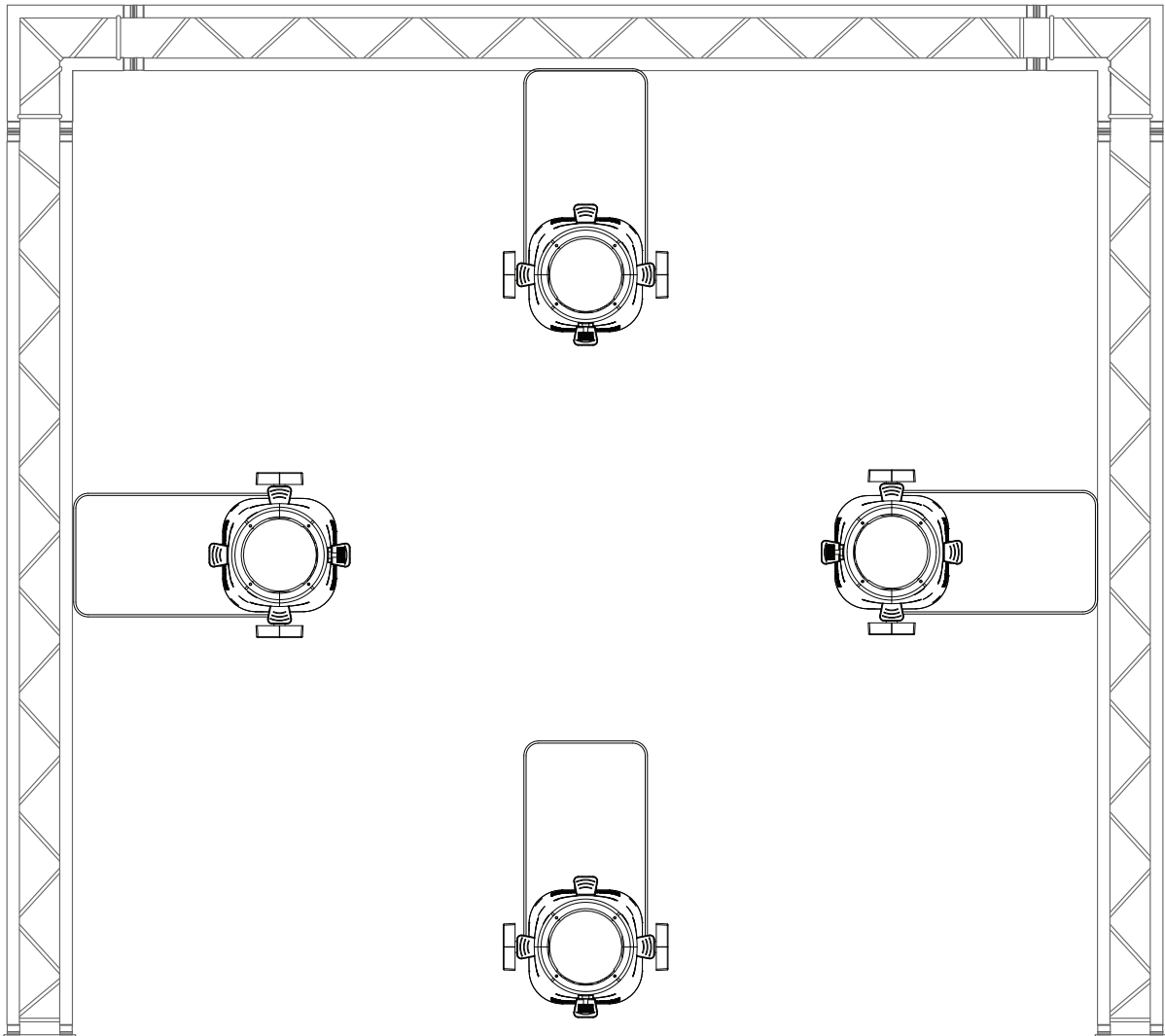
- 05 - Beam framing shutters
- 06 - 5-Pin DMX output
- 07 - PowerTwist TR1 output
- 08 - Fuse T3.15A 250V

- 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.

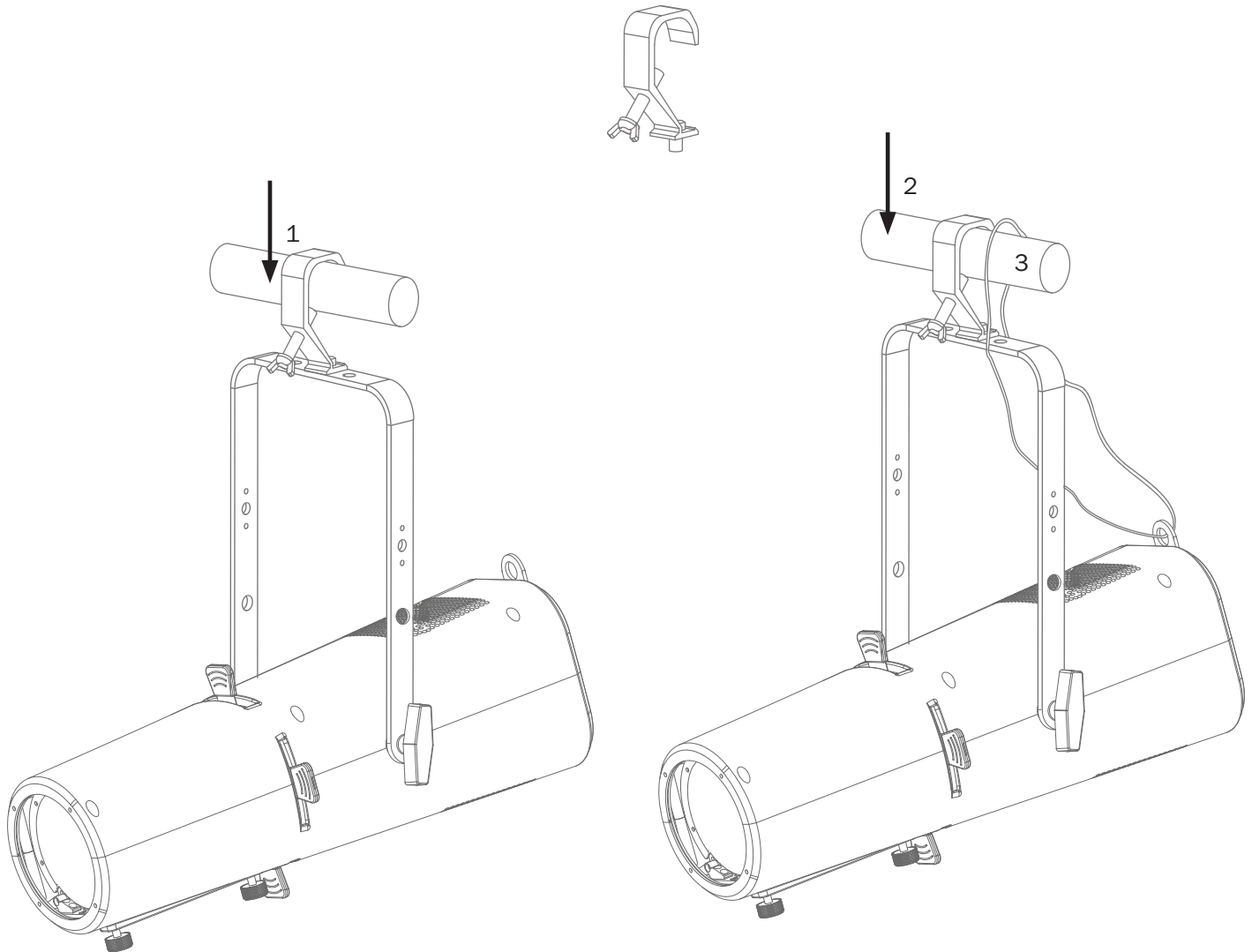


The Elumen8 Virtuoso 600 Profile RGBAL can be operated in a number of mounting positions as shown in the diagram above, hanging upside-down from the ceiling or truss, mounting sideways on truss or stood upright on a flat level surface. Always use a safety wire as an extra safety precaution to prevent damage/injury in the event a clamp fails (see the next page for clamp installation).

Never use the carry handles for secondary attachments.

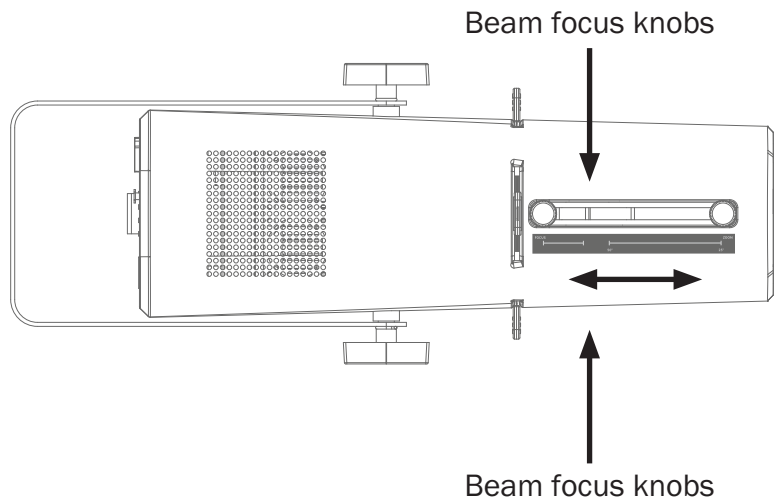
Installation:

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.



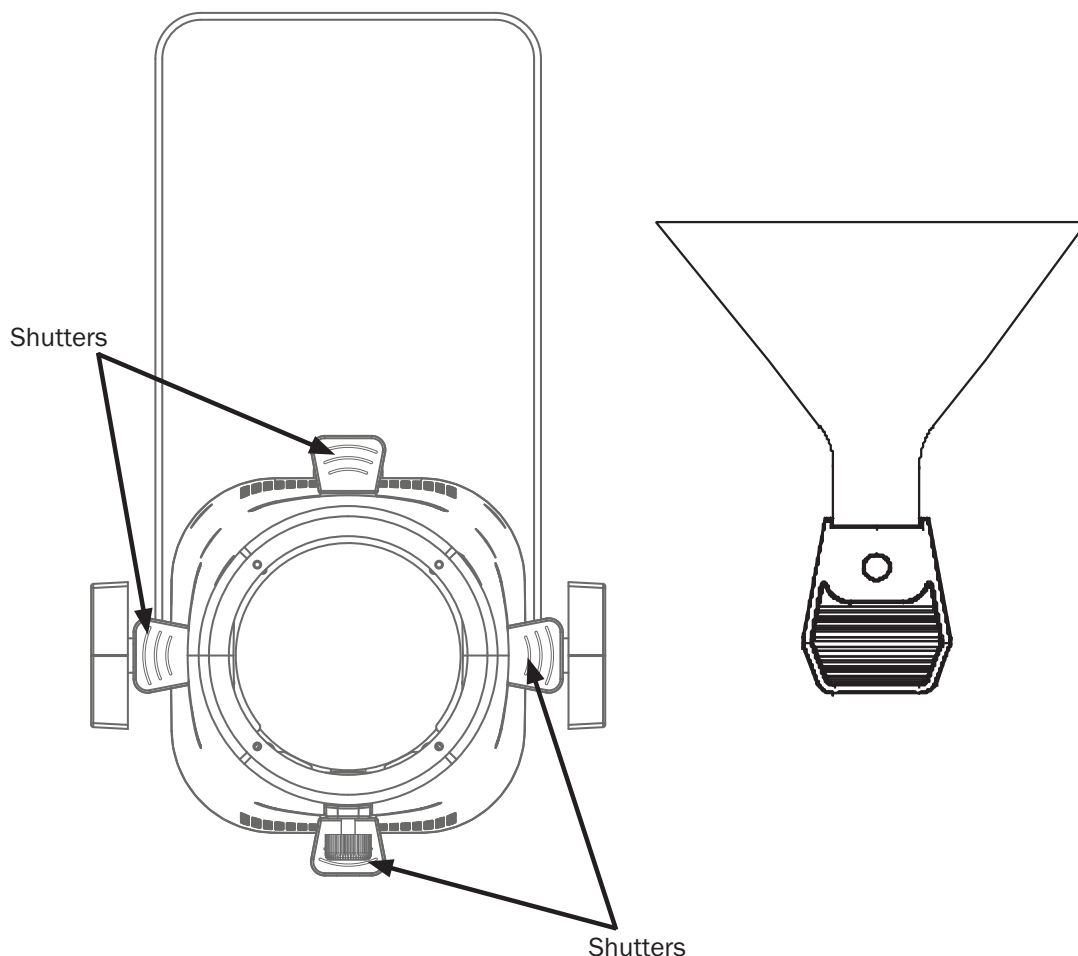
Beam Focus:

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 focussed, 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	
	STROBE			000-25	
ADDRESS				001 -512	DMX address settings
RUN MODE				DMX	Run mode settings
				Slave	
PERSONALITY				Basic	DMX channel mode settings
				SSP	
				Tour	
				TR16	
				HSIC	
				CMY	
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	
	AUTO 6			000-255	
	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	
			STROBE	000-25	
			TIME	000-255	
			FADE	000-255	
	UPLOAD	PASSCODE (<UP>, <DOWN>, <UP>, <DOWN>, <ENTER>)	SEND		Send custom programs to slave fixtures

Main Menu	Sub Menus				Values (Default Settings in BOLD)	Description	
SETTING	PASSCODE (<UP> <DOWN> <UP> <DOWN> <UP> <DOWN> <ENTER>)	RESET	PASSCODE (<UP>, <DOWN>,<UP>, <DOWN>, <ENTER>)			Restore factory settings	
		DIMMER			DIM4	Dimmer settings	
					OFF		
		DMX ERROR			SAVE	DMX fail settings	
					BLACK		
		PWM RATE			1200HZ	Refresh rate settings	
					2400HZ		
					4000HZ		
					6000HZ		
					25000HZ		
		PERFORM			LIVE (low)	Fan speed settings	
					POWER (high)		
					STUDIO (auto)		
		DISP KEY			ON	Display lock setting (passcode is <UP>, <DOWN>,<UP>, <DOWN>, <ENTER>)	
					OFF		
		DISP TIME			ON	Display backlight settings	
					10S		
					30S		
					2MIN		
		COLOUR CALIB		OFF			Colour calibration setting
				USER CALIBRATION	RED	000-255	
					GREEN	000-255	
					BLUE	000-255	
					AMBER	000-255	
LIME	000-255						
FACTORY CALIBRATION							
INFO	FIXTURE HOURS				xxh	Fixture hours	
	VERSION				VXXXXXXXXXX	Software version	
	RDM	UID			0X09a5XXXXXXXXXX	Fixture VID	
		LABEL			Virtuoso 600 Profile RGBAL	Fixture model	
CCT	1800K					Colour temperature presets	
	2200K						
	2700K						
	3000K						
	3200K						
	4000K						
	4500K						
	5000K						

Main Menu	Sub Menus	Values (Default Settings in BOLD)	Description
CCT (cont.)	5600K		Colour temperature presets
	6000K		
	6500K		
	7000K		
	8000K		
	10000K		
Preset Colour	Blackout	No Function	Blackout
	Colour 1	L176	Loving Amber
	Colour 2	R40	Light Salmon
	Colour 3	L24	Scarlet
	Colour 4	L164	Flame Red
	Colour 5	L747	Easy White
	Colour 6	R303	Warm Peach
	Colour 7	L08	Dark Salmon
	Colour 8	L25	Sunset Red
	Colour 9	L04	Medium Bastard Amber
	Colour 10	L237	CID (To Tungsten)
	Colour 11	R321	Soft Golden Amber
	Colour 12	L652	Urban Sodium
	Colour 13	L212	LCT Yellow (Y1)
	Colour 14	L765	LEE Yellow
	Colour 15	L513	Ice And A Slice
	Colour 16	L100	Spring Yellow
	Colour 17	L244	LEE Plus Green
	Colour 18	R4430	CalColor 30 Green
	Colour 19	L122	Fern Green
	Colour 20	L90	Dark Yellow Green
	Colour 21	L243	LEE Fluorescent 3600K
	Colour 22	R92	Turquoise
	Colour 23	R94	Kelly Green
	Colour 24	L327	Forest Green
	Colour 25	L191	Cosmetic Aqua Blue
	Colour 26	L728	Steel Green
	Colour 27	L117	Steel Blue
	Colour 28	L354	Special Steel Blue
	Colour 29	L53	Paler Lavender
	Colour 30	L501	New Colour Blue
	Colour 31	L174	Dark Steel Blue
	Colour 32	L165	Daylight Blue
	Colour 33	L136	Pale Lavender

Main Menu	Sub Menus	Values (Default Settings in BOLD)	Description
Preset Colour (cont.)	Colour 34	L194	Surprise Pink
	Colour 35	L142	Pale Violet
	Colour 36	L700	Perfect Lavender
	Colour 37	L35	Light Pink
	Colour 38	L794	Pretty'n Pink
	Colour 39	L328	Follies Pink
	Colour 40	L795	Magical Magenta
	Colour 41	L154	Pale Rose
	Colour 42	L127	Smokey Pink
	Colour 43	L192	Flesh Pink
	Colour 44	L332	Special Rose Pink
	Colour 45	L790	Moroccan Pink
	Colour 46	L157	Pink
	Colour 47	R332	Cherry Rose
	Colour 48	L128	Cool LED Bright Pink
	Blackout	No Function	Blackout

DMX channel modes:

3 channel mode (BASIC):

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	Colour presets	
	000-010	No function
	011-255	Preset colour (pages 18-19)
CH3	Colour temperature presets	
	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

7 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	Colour temperature presets	
	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	Strobe	
	000-009	No function
	010-099	Strobe (slow-fast)
	100-109	No function
	110-179	Lightning strobe (slow-fast)
	180-189	No function
CH7	190-255	Random strobe (slow-fast)
	Control	
	000-024	No function
	030-069	Live
	070-129	Studio
	130-189	Power
	190-255	No function
	101-009	Dimmer Off
	111-120	Dimmer Dim4
	121-150	No function
	151-160	1200Hz
	161-170	2400Hz

Channel	Value	Function
CH7 (cont.)	171-180	4000Hz
	181-190	6000Hz
	191-200	25000Hz
	201-210	All reset
	211-255	No function

7 channel mode (SSP):

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	Strobe	
	000-009	Strobe (slow-fast)
	100-109	No function
	110-179	Lightning strobe (slow-fast)
	180-189	No function
	190-255	Random (slow-fast)

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	Colour presets	
	000-010	No function
	011-255	Preset Colour (pages 18-19)
CH6	Colour temperature presets	
	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	Auto	
	000-040	No function
	041-050	Auto 1
	051-060	Auto 2
	061-070	Auto 3
	071-080	Auto 4
	081-090	Auto 5
	091-100	Auto 6
	101-110	Auto 7
	111-120	Auto 8
	121-130	Auto 9
	131-140	Auto 10
	141-150	Custom 1
	151-160	Custom 2
	161-255	No function
CH8	000-255	Auto speed adjustment (slow-fast)

Channel	Value	Function
CH9	Strobe	
	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)
CH10	Control	
	000-060	No function
	061-070	Live
	071-080	Studio
	081-090	Power
	091-100	No function
	101-110	Dimmer off
	111-120	Dimmer Dim4
	121-150	No function
	151-160	1200Hz
	161-170	2400Hz
	171-180	4000Hz
	181-190	6000Hz
	191-200	25000Hz
	201-210	All reset
	211-255	No function

12 channel mode (TOUR):

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	Colour presets	
	000-010	No function
	011-255	Preset Colour (pages 18-19)
CH8	Colour temperature presets	
	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
CH9	Auto	
	000-040	No function
	041-050	Auto 1
	051-060	Auto 2
	061-070	Auto 3
	071-080	Auto 4
	081-090	Auto 5
	091-100	Auto 6
	101-110	Auto 7
	111-120	Auto 8
	121-130	Auto 9
	131-140	Auto 10
	141-150	Custom 1

Channel	Value	Function
CH9 (cont.)	151-160	Custom 2
	161-255	No function
CH10	000-255	Auto speed adjustment (slow-fast)
CH11	Strobe	
	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)
CH12	Control	
	000-060	No function
	061-070	Live
	071-080	Studio
	081-090	Power
	091-100	No function
	101-110	Dimmer off
	111-120	Dimmer Dim4
	121-150	No function
	151-160	1200Hz
	161-170	2400Hz
	171-180	4000Hz
	181-190	6000Hz
	191-200	25000Hz
	201-210	All reset
	211-255	No function

18 channel mode (TR16):

Channel	Value	Function
CH1	000-255	Master dimmer (0-100%)
CH2	000-255	Master dimmer Fine
CH3	000-255	Red dimmer (0-100%)
CH4	000-255	Red Fine
CH5	000-255	Green dimmer (0-100%)
CH6	000-255	Green Fine
CH7	000-255	Blue dimmer (0-100%)
CH8	000-255	Blue Fine
CH9	000-255	Amber dimmer (0-100%)
CH10	000-255	Amber Fine
CH11	000-255	Lime dimmer (0-100%)
CH12	000-255	Lime Fine
CH13	Colour presets	
	000-010	No function
	011-255	Preset Colour (pages 18-19)
CH14	Colour temperature presets	
	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
CH15	Auto	
	000-040	No function
	041-050	Auto 1
	051-060	Auto 2
	061-070	Auto 3
	071-080	Auto 4
	081-090	Auto 5
	091-100	Auto 6

Channel	Value	Function
CH15 (cont.)	101-110	Auto 7
	111-120	Auto 8
	121-130	Auto 9
	131-140	Auto 10
	141-150	Custom 1
	151-160	Custom 2
	161-255	No function
CH16	000-255	Auto speed adjustment (slow-fast)
CH17	Strobe	
	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)
CH18	Control	
	000-060	No function
	061-070	Live
	071-080	Studio
	081-090	Power
	091-100	No function
	101-110	Dimmer off
	111-120	Dimmer Dim4
	121-150	No function
	151-160	1200Hz
	161-170	2400Hz
	171-180	4000Hz
	181-190	6000Hz
	191-200	25000Hz
	201-210	All reset
	211-255	No function

	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
1800K	255	66	96	193	193
2200K	255	157	131	209	209
2700K	255	205	174	228	228
3000K	255	227	198	238	238
3200K	255	235	211	242	242
4000K	210	255	246	244	244
4500K	210	255	255	238	238
5000K	187	246	255	226	226
5600K	168	239	255	216	216
6000K	158	234	255	211	211
6500K	149	228	255	205	205
7000K	139	226	255	201	201
8000K	119	217	255	192	192
10000K	97	208	255	183	183

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.

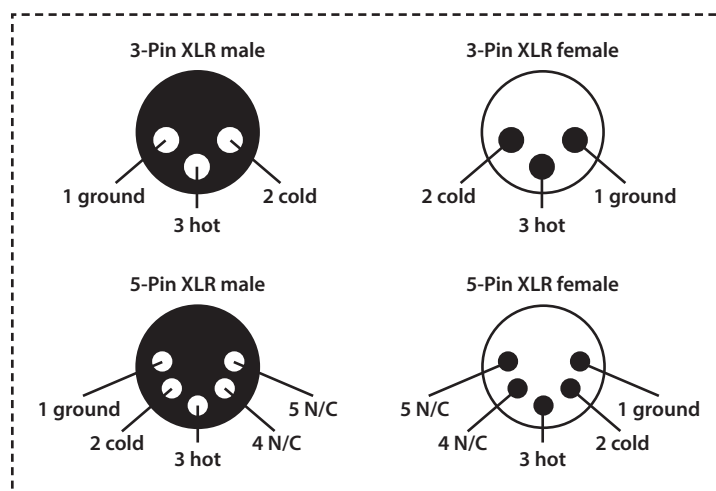
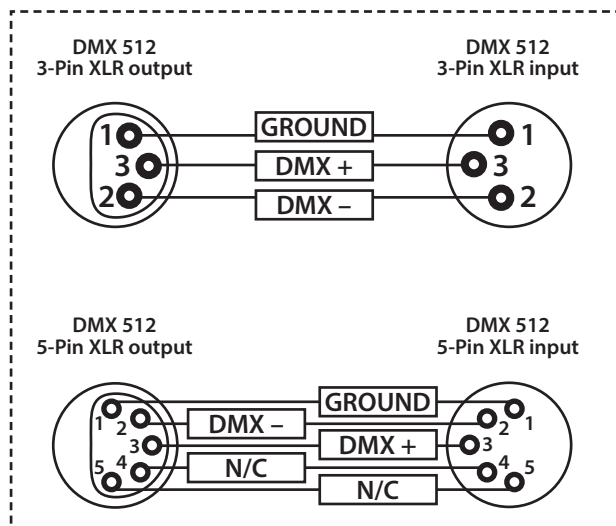
Please quote:	3-Pin:	CABL10 – 2m	CABL11 – 5m	CABL12 – 10m
	5-Pin:	CABL185 – 2m	CABL187 – 5m	CABL188 – 10m

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



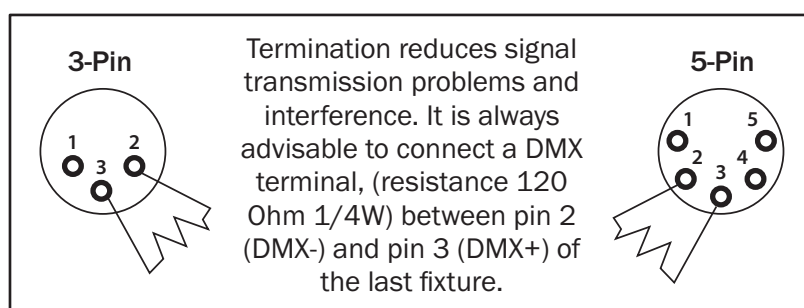
Line termination:

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.

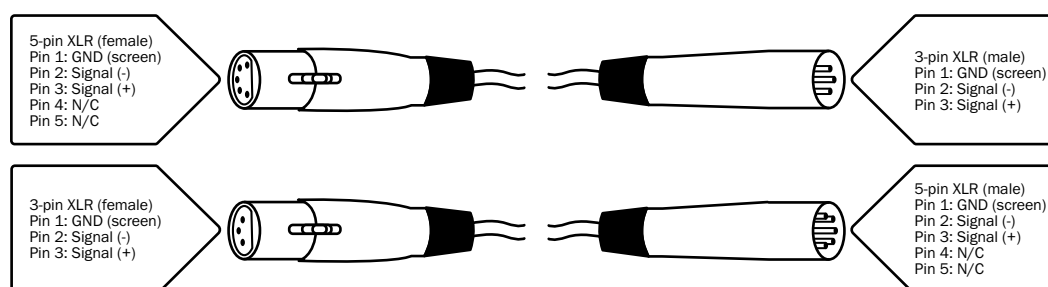
(3-pin - Order ref: CABL90,

5-pin - Order ref: CABL89)



5-pin XLR DMX connectors:

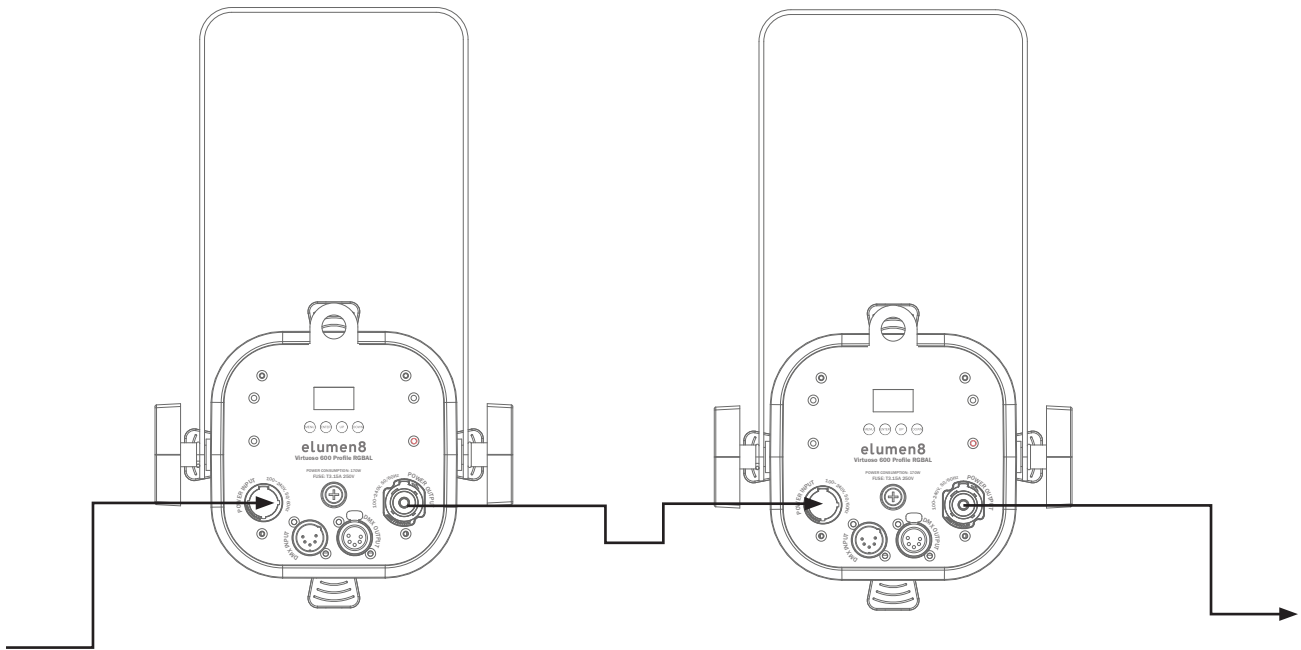
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



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 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 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.

