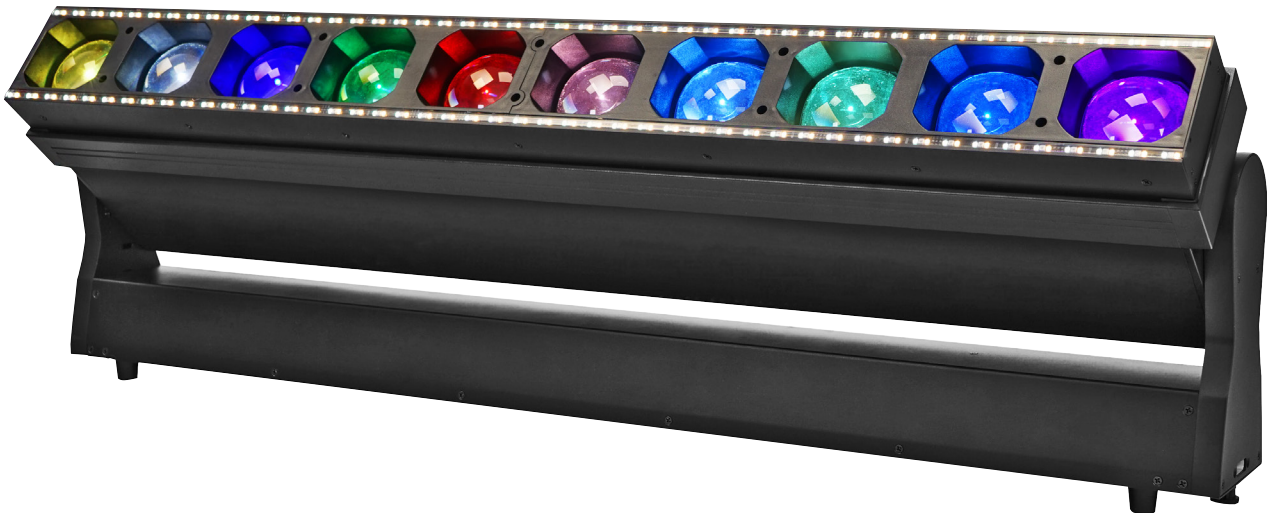


elumen8

Meteor 1060 Zoom Batten

User Manual



Order codes: ELUM059

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.
- 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!

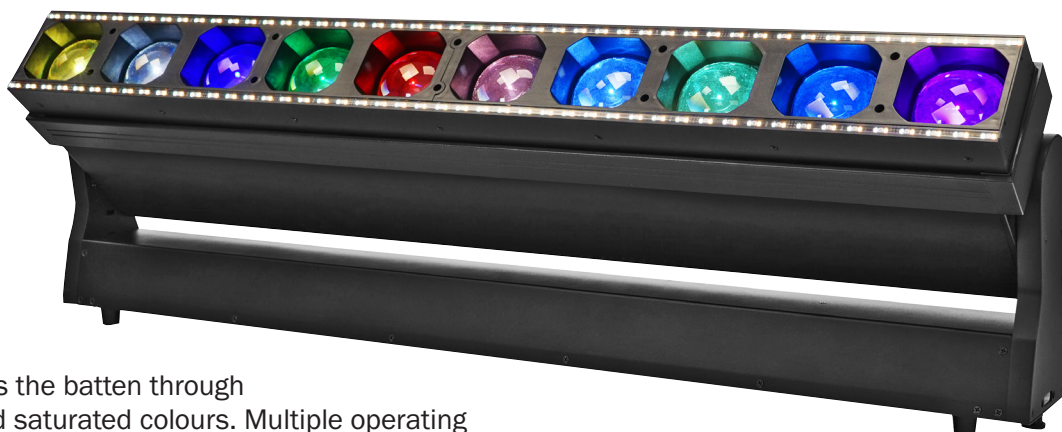
The maximum ambient temperature (Ta) of 40° must not be exceeded.

CAUTION!

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

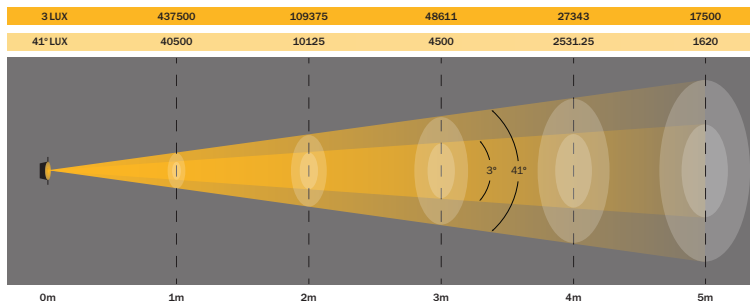
Meteor 1060 Zoom Batten

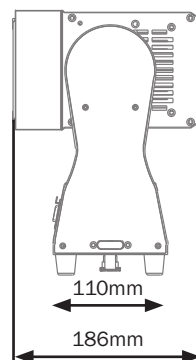
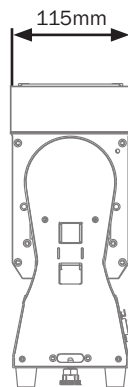
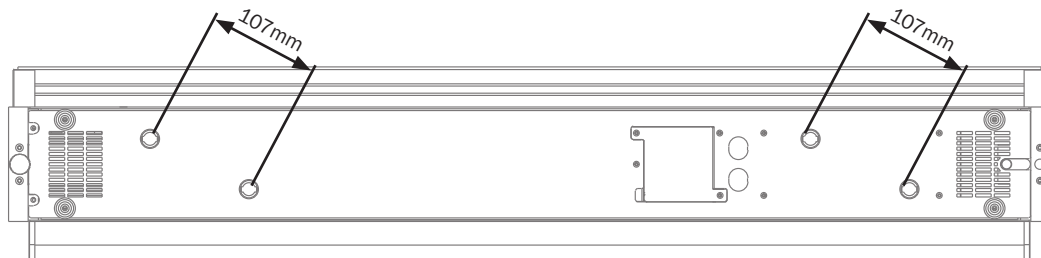
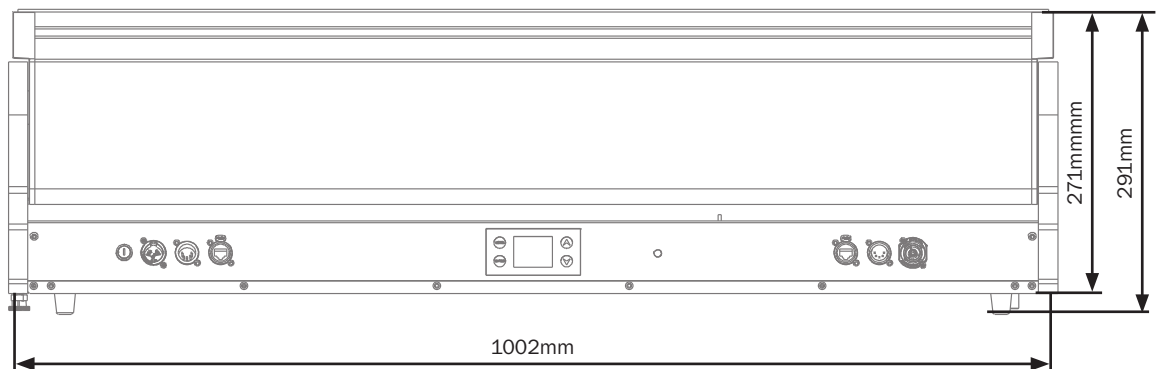
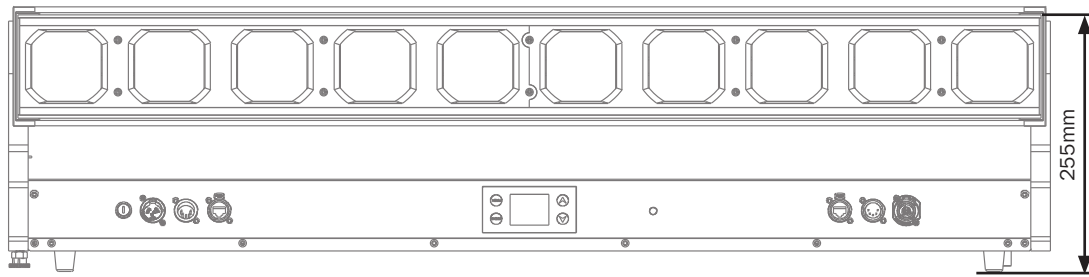
The Elumen8 Meteor 1060 Zoom is a high-output moving batten incorporating ten 60W RGBW LEDs with full pixel mapping capabilities along with 96 x 1W tri colour, 96 x 2W warm white and 96 x 2W cool white LEDs for added effects. High quality optics ensure a smooth, homogenized output across the batten through a broad pallet of pastel and saturated colours. Multiple operating modes create unique effects including beams, washes, and strobe. The fixture also offers pre-programmed macros and patterns and features a motorized zoom with a beam angle of 3° to 41°. There are two connection locations for the included omega clamps accept most hardware and a tool-less connection system allows units side-by-side connection. PowerTwist TR1, 5-Pin DMX and Ethernet inputs and outputs to allow for a problem-free, rental-ready connection.

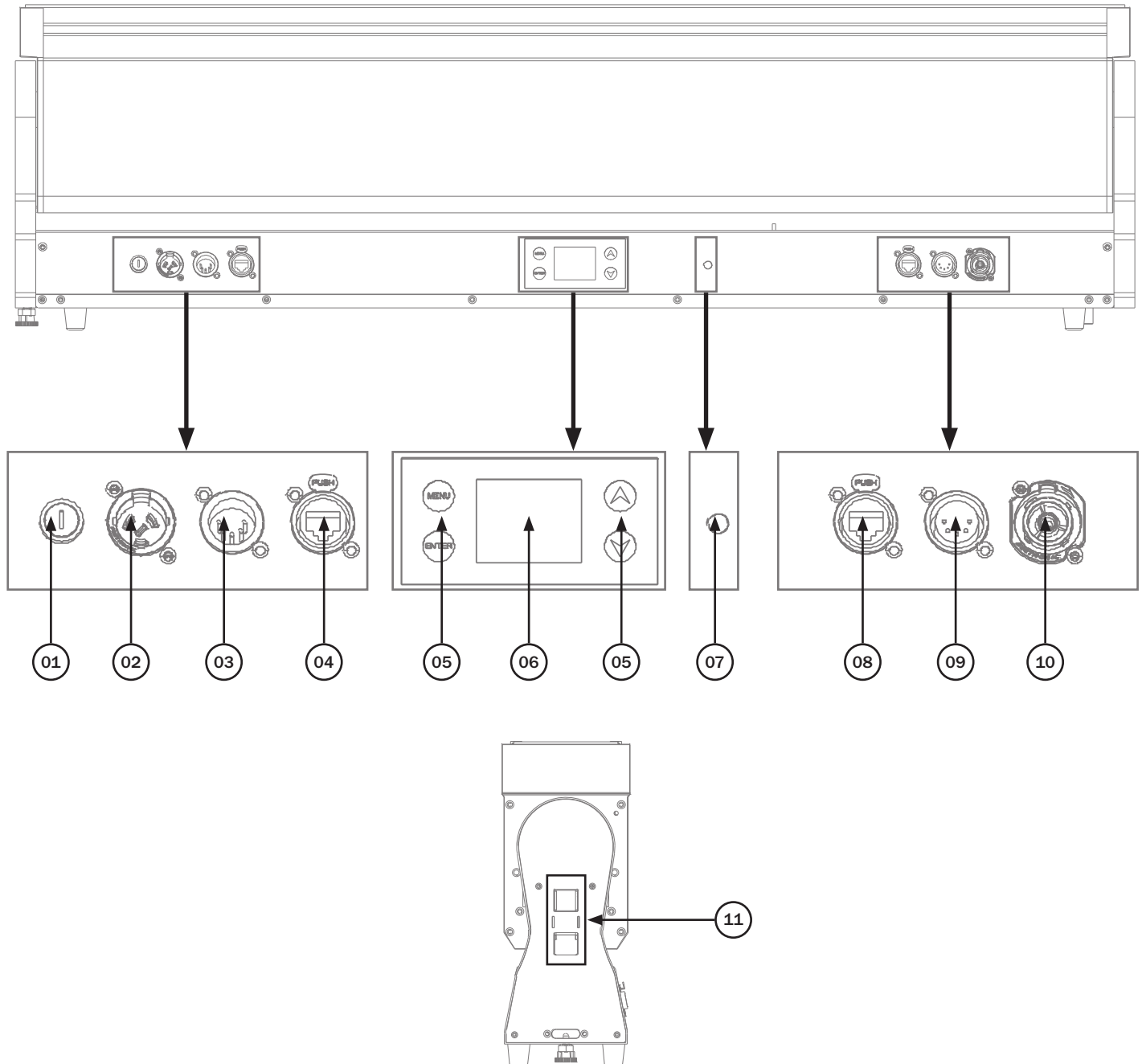


- 2 year warranty
- 10 x 60W quad-colour LEDs (RGBW)
- 96 x 1W tri-colour SMD 5050 LEDs (RGB), 96 x 2W cool white SMD 5050 LEDs (CW) plus 96 x 2W warm white SMD 5050 LEDs (WW)
- Adjustable beam angle: 3° - 41°
- Lumens – Source: 25,450
- Lumens – Output: 23,500
- 3° - 109,375 Lux @ 2m (full on), 41° - 10,125 Lux @ 2m (full on)
- CRI: 78
- Refresh rate: 15 selectable presets between 900Hz-25kHz
- Motorised zoom
- Full pixel mapping capabilities
- Control protocols: DMX, Art-net and sACN
- DMX channels: 17/27/99/108 or 168 selectable
- Manual control mode
- Built-in colour macros and patterns
- Colour temperature presets
- Tilt auto correction
- 16-Bit tilt positioning
- Tilt: 200°
- 0 - 100% dimming
- 4 dimming curves: Linear, square law, inverse square law and S-curve
- Variable strobe
- Quick release omega clamps included
- RDM (Remote Device Management)
- 4 button menu with 1.8" TFT display
- Display battery backup for offline configuration
- PowerTwist TR1, 5-Pin XLR and Ethernet inputs/outputs
- Temperature controlled fans

Specifications	Meteor 1060 Zoom Batten
Power consumption	1090W
Fuse	T10A 250V
Power supply	100~240V, 50/60Hz
Dimensions (H x W x D)	291 x 1002 x 115mm
Weight	18.7kg
Order code	ELUM059







01 - Fuse T10A 250V
 02 - PowerTwist TR1 input
 03 - 5-Pin DMX input
 04 - Ethernet input

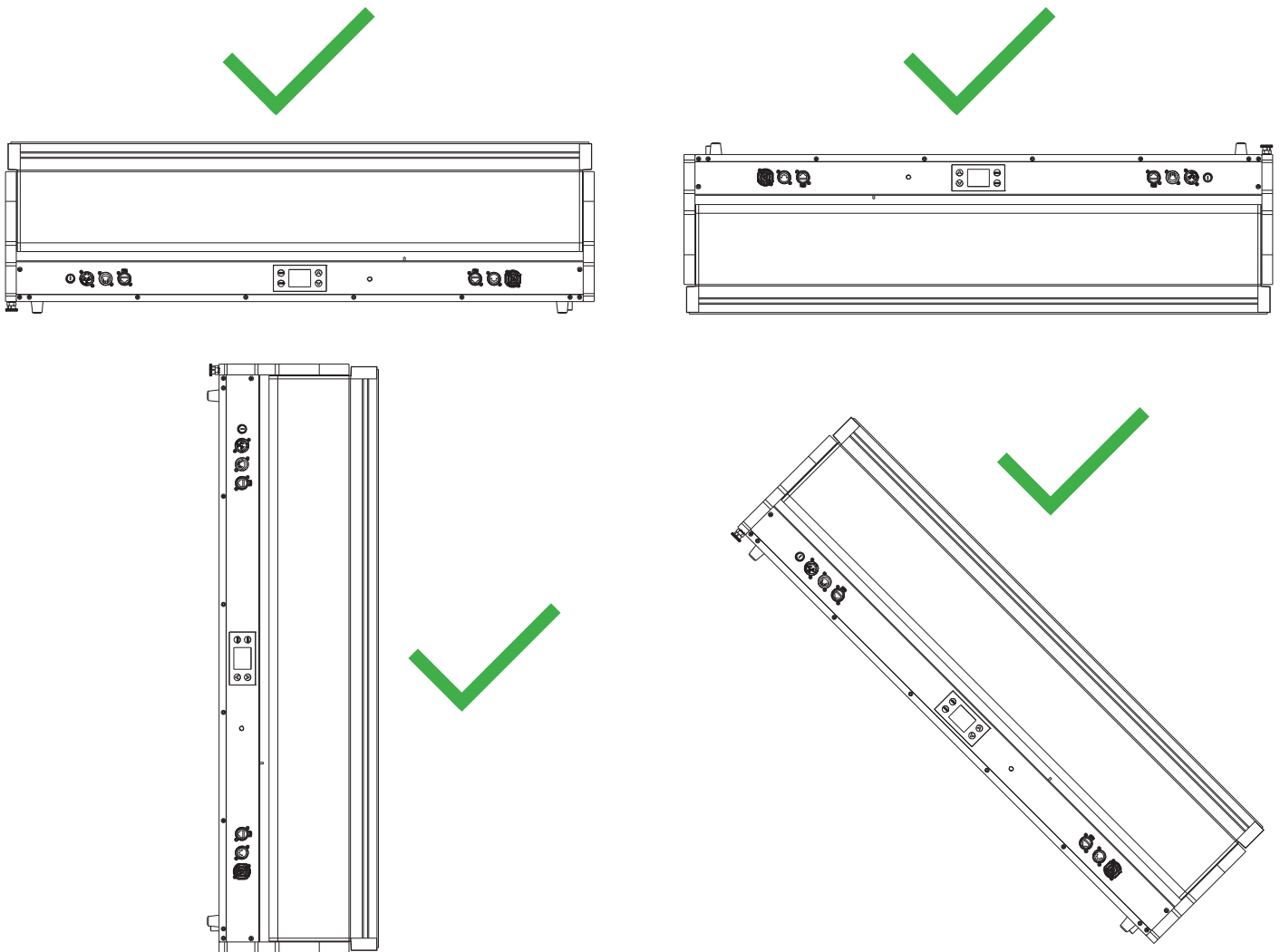
05 - Function buttons
 06 - TFT display
 07 - Battery backup button
 08 - Ethernet output

09 - 5-Pin DMX output
 10 - PowerTwist TR1 output
 11 - Tilt lock

**In the box: 1 x fixture,
 2 x omega clamps
 & 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.

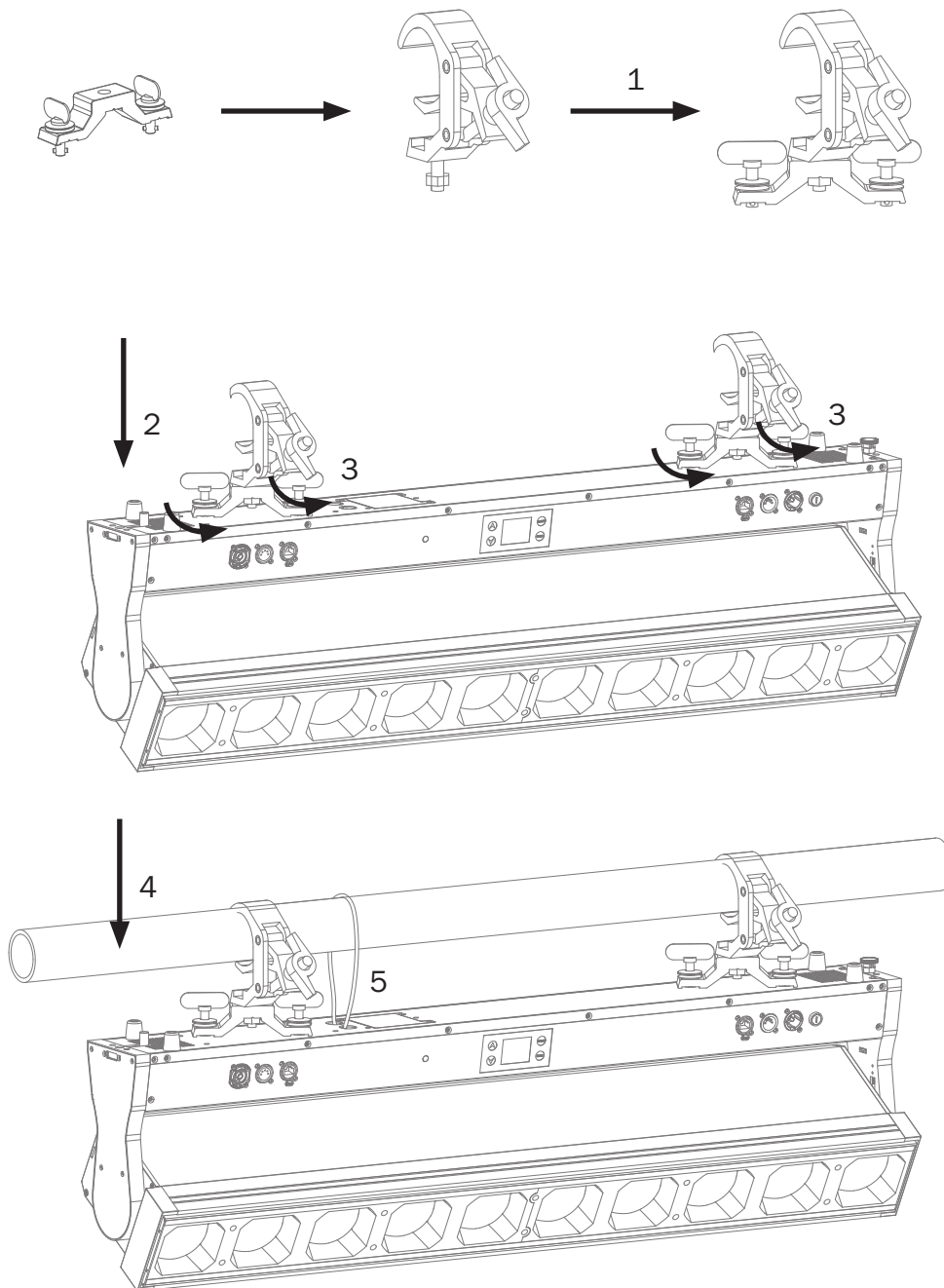


The Elumen8 Meteor 1060 Zoom Batten can be operated where the base of the fixture is horizontally orientated or vertically orientated. This includes standing the fixture upright on a flat, level surface, hanging the fixture upside down or in a position where the base of the fixture is orientated vertically or at an angle. Multiple battens should not be mounted solely via the locating pin for alignment and all battens should be rigged correctly using clamps and safety wires.

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).

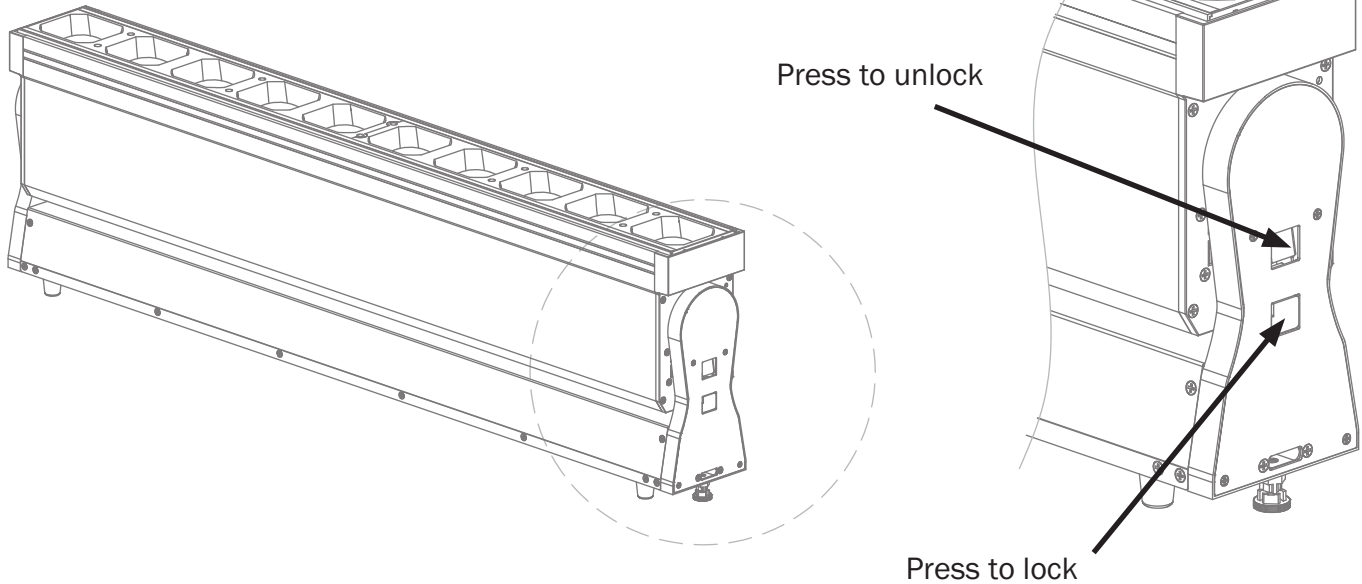
Installation:

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.



Tilt lock:

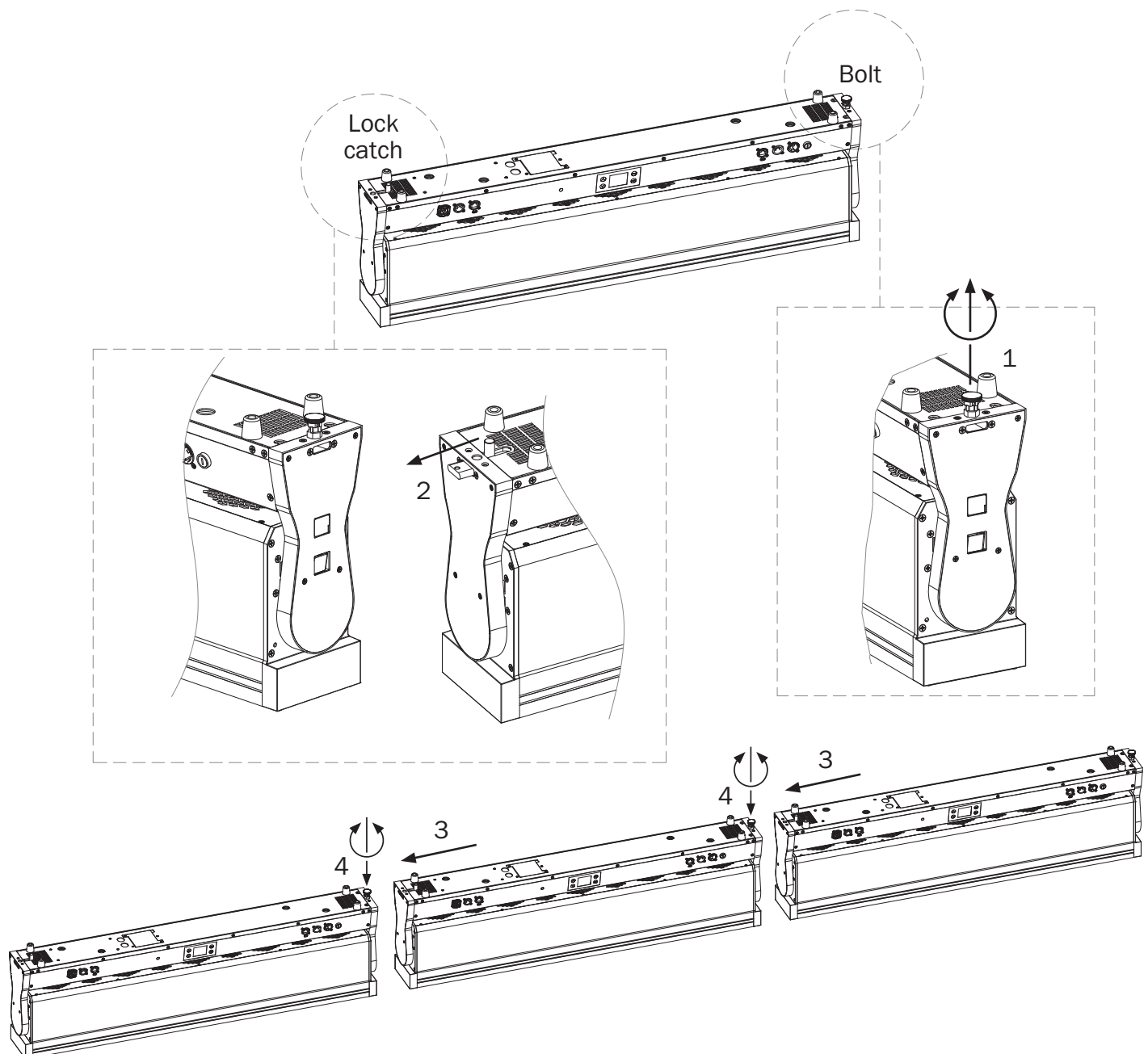
The fixture features a tilt lock on one of the end plates to lock the head in place for transportation.



Fixture jointing:

The fixture also features a jointing lock for alignment of multiple fixtures.

- 1) Lift the bolt and rotate until the bolt holds.
- 2) Slide the lock catch outwards.
- 3) Align the fixtures together ensuring the lock catch is in the receiver of the next fixture.
- 4) Rotate the pin on the lock bolt until it releases and drops through the lock catch and secures.



Control Panel Menu:

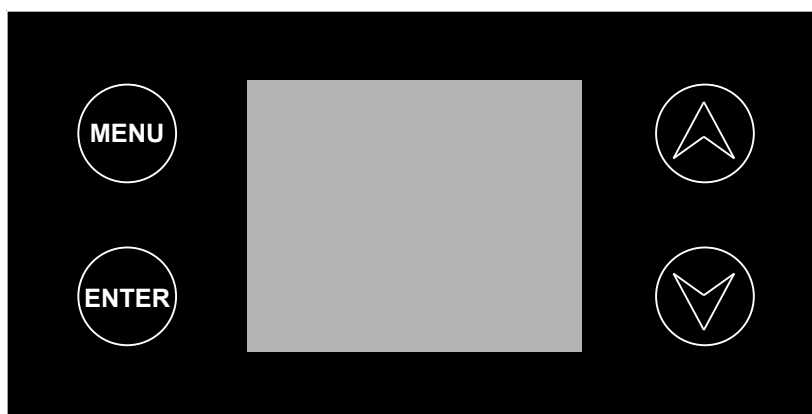
The LCD control panel situated on the front of the fixture allows the user to access the menu system to adjust the fixtures settings.

When the unit has been powered on the display will show “**Meteor 1060 Zoom Batten**” followed by “**Resetting**”. 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 “**UP**” and “**DOWN**” 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 “**BATTERY BACKUP**” button to the right of the display for 5 seconds until the fixtures home screen is displayed. The LCD display will automatically shut off after 25 seconds of inactivity.



Error Codes:

When the unit is powered on the unit will automatically perform a full reset of all motors and sensors. If there is a problem with any of the motors/sensors this will be displayed in the ‘System Errors’ under ‘Fixture Information’. Please power the unit off and on to reset the motors again.

(The full list of errors codes can be found below).

Error Code	Description
Tilt reset error	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/zoom was blocked during a reset function.
Motor focus reset fail	
Tilt Hall error	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).
Resetting was terminated	
Temp error	This message will appear if the sensor or fan has failed or the fixtures temperature is too hot.
MT Board Connect Fail	This message will appear when there is a communication failure between the driver PCB and the display PCB, this error may appear if the loom from the display to driver PCB is damaged or the driver PCB has no power.

Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)		Description	
DMX Settings	DMX Address	001-512		DMX address setting	
	DMX Channel Mode	17CH		Channel mode setting	
		27CH			
		99CH			
		108CH			
		168CH			
	No DMX Status	Blackout		DMX fail setting	
		Hold			
		Manual			
	View DMX Value			View current DMX value	
	Connect Option	DMX		Fixture mode setting	
		Art-Net			
		sACN			
	Network	IP Address	Default 1		Network Protocol Setting
			Default 2		
			Manual		
		Subnet Mask	xxx.xxx.xxx.xxx		
	Art-Net Settings	Net	0-127 (0)		
		Sub-Net	0-15 (0)		
		Universe	0-15 (0)		
	sACN Settings	sACN Universe	1-32000 (1)		
		sACN Priority	0-200 (100)		
	ArtNet to DMX	No		Output DMX from Art-Net	
		Yes			
Fixture Settings	Tilt Invert	No			
		Yes			
	Tilt Feedback	No			
		Yes			
	Dimmer Curve	Linear		Dimmer curve setting	
		Square Law			
		Inv SQ Law			
		S Curve			
	Dimmer Speed	Fast		Dimmer speed setting	
		Smooth			
	White Balance	Red	125-255		White balance setting
		Green	125-255		
		Blue	125-255		
		Red 1	125-255		
		Green 1	125-255		
		Blue 1	125-255		
		...	...		

Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)		Description
Fixture Settings	White Balance	...	...	White balance setting (cont.)
		Red 10	125-255	
		Green 10	125-255	
		Blue 10	125-255	
	LED Refresh Rate	900Hz		LED refresh rate setting
		1000Hz		
		1100Hz		
		1200Hz		
		1300Hz		
		1400Hz		
		1500Hz		
		2500Hz		
		4000Hz		
		5000Hz		
		6000Hz		
		10000Hz		
		15000Hz		
		20000Hz		
		25000Hz		
	Invert Pixel Order	No		Invert pixel direction
		Yes		
	Power Mode	Standard		Fan/power mode setting
		Quiet		
	Line Power Mode	Off		SMD LED power limit setting
		On		
Display Settings	Display Invert	No		Display invert setting
		Yes		
	Backlight Intensity	1-10 (10)		Backlight intensity setting
	Temperature Units	°C		Temperature unit setting
		°F		

Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)		Description
Fixture Test	Manual Mode	Mode 1		Manual test mode
		Clear	No	
			Yes	
		Tilt	0-255	
		Focus	0-255	
		Dimmer	0-255	
		Strobe Main	0-255	
		Strobe Line W	0-255	
		LED Strobe	0-255	
		Main Red	0-255	
		Main Green	0-255	
		Main Blue	0-255	
		Main White	0-255	
		Main CCT	0-255	
		Main Color	0-255	
		Main Macro	0-255	
		Macro Speed	0-255	
		Strobe Cool	0-255	
		Strobe Warm	0-255	
		Line W CCT	0-255	
		Line W Macro	0-255	
		W Macro Sp	0-255	
		Strobe Red	0-255	
		Strobe Green	0-255	
		Strobe Blue	0-255	
		Line RGB Color	0-255	
		Line RGB Macro	0-255	
		RGB Macro Speed	0-255	
		Mode 2		
		Clear	No	
			Yes	
		Tilt	0-255	
		Focus	0-255	
		Dimmer	0-255	
		Strobe Main	0-255	
		White Strobe	0-255	
		LED Strobe	0-255	
		Red 1	0-255	
		Green 1	0-255	
		Blue 1	0-255	
		White 1	0-255	
		...	...	
		Red 10	0-255	
		Green 10	0-255	

Main Menu	Sub Menu	Options/Values (Default Settings in BOLD)		Description
Fixture Test	Manual Test	Mode 2		Manual test mode (cont.)
		Blue 10	0-255	
		White 10	0-255	
		Pixel CW 1	0-255	
		Pixel WW 1	0-255	
		...	...	
		Pixel CW 24	0-255	
		Pixel WW 24	0-255	
		Pixel Red 1	0-255	
		Pixel Green 1	0-255	
		Pixel Blue 1	0-255	
		...	...	
		Pixel Blue 24	0-255	
		Fixture Information	Model	
RDM UID	09A50040-xxxx		RDM information	
Version	CPU-A Vx.x Bx.x		Version information	
	CPU-B Vx.x Bx.x			
LED Temp	xx		LED temperature	
Total Fixture Hours	xxxxxx:xx		Total fixture hours	
Partial Fixture Hours	xxxxxx:xx		Current fixture hours	
System Errors	xxx		System error information	
Fan Speed	Fan 1 Speed		xxx%	Fan run speed
	Fan 2 Speed		xxx%	
	Fan 3 Speed		xxx%	
	Fan 4 Speed		xxx%	
	Fan 5 Speed		xxx%	
Hall State	x		Hall effect sensor state	
Tiltwheel Step	x		Tilt position	
Reset Function	Tilt Reset	No		Tilt motor reset
		Yes		
	Effect Reset	No		Effects reset
		Yes		
	All Reset	No		All motors & effects reset
		Yes		
Special Function	Factory Settings	No		Default factory settings
		Yes		

DMX channel modes:

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
1	1	1	1	1	000-255	Tilt movement (270°)	000
2	2	2	2	2	000-255	Tilt fine	
3	3	3	3	3	000-255	Zoom (wide-narrow)	
4	4	4	4	4	000-255	Master dimmer (0-100%)	
5	5	5	5	5	Beam LED Strobe		
					000-007	Closed	000
					008-015	Open	
					016-131	Strobe (slow-fast)	
					132-139	Open	
					140-181	Slow open, fast close (slow-fast)	
					182-189	Open	
					190-231	Fast open, slow close (slow-fast)	
					232-239	Open	
					240-247	Random pixel strobe (slow-fast)	
					248-255	Open	
6	6	6	6	6	White SMD Strobe		
					000-007	Closed	000
					008-015	Open	
					016-131	Strobe (slow-fast)	
					132-139	Open	
					140-181	Slow open, fast close (slow-fast)	
					182-189	Open	
					190-231	Fast open, slow close (slow-fast)	
					232-239	Open	
					240-247	Random pixel strobe (slow-fast)	
					248-255	Open	
7	7	7	7	7	RGB SMD Strobe		
					000-007	Closed	000
					008-015	Open	
					016-131	Strobe (slow-fast)	
					132-139	Open	
					140-181	Slow open, fast close (slow-fast)	
					182-189	Open	
					190-231	Fast open, slow close (slow-fast)	
					232-239	Open	
					240-247	Random pixel strobe (slow-fast)	
					248-255	Open	

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
8	8	8	8	8	Special Functions		
					000-029	No function	000
					030-039	Dimmer Curve: Linear	
					040-049	Dimmer Curve: Square Law	
					050-059	Dimmer Curve: Inv. Square Law	
					060-069	Dimmer Curve: S Curve	
					070-079	Power Mode: Standard	
					080-089	No function	
					090-099	Power Mode: Quiet	
					100-109	LED Frequency Setting Enable	
					110-119	LED Frequency Setting Disable	
					120-122	No function	
					123	900Hz	
					124	1000Hz	
					125	1100Hz	
					126	1200Hz	
					127	1300Hz	
					128	1400Hz	
					129	1500Hz	
					130	2500Hz	
					131	4000Hz	
					132	5000Hz	
					133	6000Hz	
					134	10kHz	
					135	15kHz	
					136	20kHz	
					137	25kHz	
					138-139	No function	
					140-149	Tilt Motor Reset	
					150-159	Effect Reset	
					160-199	No function	
					200-209	Full Reset	
					210-219	Dimmer Speed: Fast	
					220-229	Dimmer Speed: Smooth	
					230-239	Line Power Mode: Off	
					240-249	Line Power Mode: On	
					250-255	No function	

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
9	9	-	-	-	000-255	Red master dimmer (0-100%)	000
10	10	-	-	-	000-255	Green master dimmer (0-100%)	000
11	11	-	-	-	000-255	Blue master dimmer (0-100%)	000
12	12	-	-	-	000-255	White master dimmer (0-100%)	000
13	-	-	-	-	000-255	CW SMD master dimmer (0-100%)	000
14	-	-	-	-	000-255	WW SMD master dimmer (0-100%)	000
15	-	-	-	-	000-255	Red SMD master dimmer (0-100%)	000
16	-	-	-	-	000-255	Green SMD master dimmer (0-100%)	000
17	-	-	-	-	000-255	Blue SMD master dimmer (0-100%)	000
-	13	-	-	-	Colour Temperature Presets (Beam LEDs)		
					000	No function	000
					001-004	8000K	
					005-009	7900K	
					010-013	7800K	
					014-018	7700K	
					019-022	7600K	
					023-027	7500K	
					028-031	7400K	
					032-036	7300K	
					037-040	7200K	
					041-045	7100K	
					046-049	7000K	
					050-054	6900K	
					055-058	6800K	
					059-063	6700K	
					064-067	6600K	
					068-072	6500K	
					073-076	6400K	
					077-081	6300K	
					082-085	6200K	
					086-090	6100K	
					091-094	6000K	
					095-099	5900K	
					100-103	5800K	
					104-108	5700K	
					109-112	5600K	
					113-117	5500K	
					118-121	5400K	
					122-126	5300K	
					127-130	5200K	

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
-	13 (cont.)	-	-	-	Colour Temperature Presets (Beam LEDs) - cont.		
					131-135	5100K	000
					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	
-	14	-	-	-	Colour Presets (Beam LEDs)		
					000-007	No function	000
					008-015	Colour 1	
					016-023	Colour 2	
					024-031	Colour 3	
					032-039	Colour 4	
					040-047	Colour 5	
					048-055	Colour 6	
					056-063	Colour 7	
					064-071	Colour 8	
					072-079	Colour 9	
					080-087	Colour 10	

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
-	14 (cont.)	-	-	-	Colour Presets (Beam LEDs) - cont.		
					088-095	Colour 11	000
					096-103	Colour 12	
					104-111	Colour 13	
					112-119	Colour 14	
					120-127	Colour 15	
					128-135	Colour 16	
					136-143	Colour 17	
					144-151	Colour 18	
					152-159	Colour 19	
					160-167	Colour 20	
					168-175	Colour 21	
					176-183	Colour 22	
					184-191	Colour 23	
					192-199	Colour 24	
					200-207	Colour 25	
					208-215	Colour 26	
					216-223	Colour 27	
					224-231	Colour 28	
					232-239	Colour 29	
					240-247	Colour 30	
					248-255	Colour 31	
-	15	-	-	-	Built-in Macro Effects (Beam LEDs)		
					000-007	No function	000
					008-015	Built-in Effect 1	
					016-023	Built-in Effect 2	
					024-031	Built-in Effect 3	
					032-039	Built-in Effect 4	
					040-047	Built-in Effect 5	
					048-055	Built-in Effect 6	
					056-063	Built-in Effect 7	
					064-071	Built-in Effect 8	
					072-079	Built-in Effect 9	
					080-087	Built-in Effect 10	
					088-095	Built-in Effect 11	
					096-103	Built-in Effect 12	
					104-111	Built-in Effect 13	
					112-119	Built-in Effect 14	
					120-127	Built-in Effect 15	
					128-135	Built-in Effect 16	

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
-	15 (cont.)	-	-	-	Built-in Macro Effects (Beam LEDs) - cont.		
					136-143	Built-in Effect 17	000
					144-151	Built-in Effect 18	
					152-159	Built-in Effect 19	
					160-167	Built-in Effect 20	
					168-255	No function	
-	16	-	-	-	Built-in Macro Effects Speed (Beam LEDs)		
					000-127	Macro speed (slow-fast) forward	000
					128-255	Macro speed (slow-fast) reverse	
-	17	-	-	-	000-255	CW SMD master dimmer (0-100%)	000
-	18	-	-	-	000-255	WW SMD master dimmer (0-100%)	000
-	19	-	-	-	Colour Temperature Presets (Whitie SMD LEDs)		
					000-067	No function	000
					068-072	6500K	
					073-076	6400K	
					077-081	6300K	
					082-085	6200K	
					086-090	6100K	
					091-094	6000K	
					095-099	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	

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
-	19 (cont.)	-	-	-	Colour Temperature Presets (Whitie SMD LEDs) - cont.		
					176-180	4100K	000
					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	No function	
-	20	-	-	-	Built-in Macro Effects (White SMD LEDs)		
					000-007	No function	000
					008-015	Built-in Effect 1	
					016-023	Built-in Effect 2	
					024-031	Built-in Effect 3	
					032-039	Built-in Effect 4	
					040-047	Built-in Effect 5	
					048-055	Built-in Effect 6	
					056-063	Built-in Effect 7	
					064-071	Built-in Effect 8	
					072-079	Built-in Effect 9	
					080-087	Built-in Effect 10	
					088-095	Built-in Effect 11	
					096-103	Built-in Effect 12	
					104-111	Built-in Effect 13	
					112-119	Built-in Effect 14	
					120-127	Built-in Effect 15	
					128-135	Built-in Effect 16	
					136-143	Built-in Effect 17	
					144-151	Built-in Effect 18	
					152-159	Built-in Effect 19	
					160-167	Built-in Effect 20	

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
-	20 (cont.)	-	-	-	Built-in Macro Effects (White SMD LEDs) - cont.		
					168-175	Built-in Effect 21	000
					176-183	Built-in Effect 22	
					184-191	Built-in Effect 23	
					192-255	No function	
-	21	-	-	-	Built-in Macro Effects Speed (White SMD LEDs)		
					000-127	Macro speed (slow-fast) without fade	000
					128-255	Macro speed (slow-fast) with fade	
-	22	-	-	-	000-255	Red SMD master dimmer (0-100%)	000
-	23	-	-	-	000-255	Green SMD master dimmer (0-100%)	000
-	24	-	-	-	000-255	Blue SMD master dimmer (0-100%)	000
-	25	-	-	-	Colour Presets (RGB SMD LEDs)		
					000-007	No function	000
					008-015	Colour 1	
					016-023	Colour 2	
					024-031	Colour 3	
					032-039	Colour 4	
					040-047	Colour 5	
					048-055	Colour 6	
					056-063	Colour 7	
					064-071	Colour 8	
					072-079	Colour 9	
					080-087	Colour 10	
					088-095	Colour 11	
					096-103	Colour 12	
					104-111	Colour 13	
					112-119	Colour 14	
					120-127	Colour 15	
					128-135	Colour 16	
					136-143	Colour 17	
					144-151	Colour 18	
					152-159	Colour 19	
					160-167	Colour 20	
					168-175	Colour 21	
					176-183	Colour 22	
					184-191	Colour 23	
					192-199	Colour 24	
					200-207	Colour 25	
					208-215	Colour 26	
					216-223	Colour 27	

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
-	25 (cont.)	-	-	-	Colour Presets (RGB SMD LEDs) - cont.		
					224-231	Colour 28	000
					232-239	Colour 29	
					240-247	Colour 30	
					248-255	Colour 31	
-	26	-	-	-	Built-in Macro Effects (RGB SMD LEDs)		
					000-007	No function	000
					008-015	Built-in Effect 1	
					016-023	Built-in Effect 2	
					024-031	Built-in Effect 3	
					032-039	Built-in Effect 4	
					040-047	Built-in Effect 5	
					048-055	Built-in Effect 6	
					056-063	Built-in Effect 7	
					064-071	Built-in Effect 8	
					072-079	Built-in Effect 9	
					080-087	Built-in Effect 10	
					088-095	Built-in Effect 11	
					096-103	Built-in Effect 12	
					104-111	Built-in Effect 13	
					112-119	Built-in Effect 14	
					120-127	Built-in Effect 15	
					128-135	Built-in Effect 16	
					136-143	Built-in Effect 17	
					144-151	Built-in Effect 18	
					152-159	Built-in Effect 19	
					160-167	Built-in Effect 20	
					168-175	Built-in Effect 21	
					176-183	Built-in Effect 22	
					184-191	Built-in Effect 23	
					192-255	No function	
-	27	-	-	-	Built-in Macro Effects Speed (RGB SMD LEDs)		
					000-127	Macro speed (slow-fast) without fade	000
					128-255	Macro speed (slow-fast) with fade	
					Beam LEDs		
-	-	9	9	9	000-255	Red dimmer 1 (0-100%)	000
-	-	10	10	10	000-255	Green dimmer 1 (0-100%)	000
-	-	11	11	11	000-255	Blue dimmer 1 (0-100%)	000
-	-	12	12	12	000-255	White dimmer 1 (0-100%)	000

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
					Beam LEDs - cont.		
-	-	13	13	13	000-255	Red dimmer 2 (0-100%)	000
-	-	14	14	14	000-255	Green dimmer 2 (0-100%)	000
-	-	15	15	15	000-255	Blue dimmer 2 (0-100%)	000
-	-	16	16	16	000-255	White dimmer 2 (0-100%)	000
-	-	17	17	17	000-255	Red dimmer 3 (0-100%)	000
-	-	18	18	18	000-255	Green dimmer 3 (0-100%)	000
-	-	19	19	19	000-255	Blue dimmer 3 (0-100%)	000
-	-	20	20	20	000-255	White dimmer 3 (0-100%)	000
-	-	21	21	21	000-255	Red dimmer 4 (0-100%)	000
-	-	22	22	22	000-255	Green dimmer 4 (0-100%)	000
-	-	23	23	23	000-255	Blue dimmer 4 (0-100%)	000
-	-	24	24	24	000-255	White dimmer 4 (0-100%)	000
-	-	25	25	25	000-255	Red dimmer 5 (0-100%)	000
-	-	26	26	26	000-255	Green dimmer 5 (0-100%)	000
-	-	27	27	27	000-255	Blue dimmer 5 (0-100%)	000
-	-	28	28	28	000-255	White dimmer 5 (0-100%)	000
-	-	29	29	29	000-255	Red dimmer 6 (0-100%)	000
-	-	30	30	30	000-255	Green dimmer 6 (0-100%)	000
-	-	31	31	31	000-255	Blue dimmer 6 (0-100%)	000
-	-	32	32	32	000-255	White dimmer 6 (0-100%)	000
-	-	33	33	33	000-255	Red dimmer 7 (0-100%)	000
-	-	34	34	34	000-255	Green dimmer 7 (0-100%)	000
-	-	35	35	35	000-255	Blue dimmer 7 (0-100%)	000
-	-	36	36	36	000-255	White dimmer 7 (0-100%)	000
-	-	37	37	37	000-255	Red dimmer 8 (0-100%)	000
-	-	38	38	38	000-255	Green dimmer 8 (0-100%)	000
-	-	39	39	39	000-255	Blue dimmer 8 (0-100%)	000
-	-	40	40	40	000-255	White dimmer 8 (0-100%)	000
-	-	41	41	41	000-255	Red dimmer 9 (0-100%)	000
-	-	42	42	42	000-255	Green dimmer 9 (0-100%)	000
-	-	43	43	43	000-255	Blue dimmer 9 (0-100%)	000
-	-	44	44	44	000-255	White dimmer 9 (0-100%)	000
-	-	45	45	45	000-255	Red dimmer 10 (0-100%)	000
-	-	46	46	46	000-255	Green dimmer 10 (0-100%)	000
-	-	47	47	47	000-255	Blue dimmer 10 (0-100%)	000
-	-	48	48	48	000-255	White dimmer 10 (0-100%)	000

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
					White SMD LEDs		
-	-	49	49	49	000-255	CW dimmer 1 (0-100%)	000
-	-	50	50	50	000-255	WW dimmer 1 (0-100%)	000
-	-	51	51	51	000-255	CW dimmer 2 (0-100%)	000
-	-	52	52	52	000-255	WW dimmer 2 (0-100%)	000
-	-	53	53	53	000-255	CW dimmer 3 (0-100%)	000
-	-	54	54	54	000-255	WW dimmer 3 (0-100%)	000
-	-	55	55	55	000-255	CW dimmer 4 (0-100%)	000
-	-	56	56	56	000-255	WW dimmer 4 (0-100%)	000
-	-	57	57	57	000-255	CW dimmer 5 (0-100%)	000
-	-	58	58	58	000-255	WW dimmer 5 (0-100%)	000
-	-	59	59	59	000-255	CW dimmer 6 (0-100%)	000
-	-	60	60	60	000-255	WW dimmer 6 (0-100%)	000
-	-	61	61	61	000-255	CW dimmer 7 (0-100%)	000
-	-	62	62	62	000-255	WW dimmer 7 (0-100%)	000
-	-	63	63	63	000-255	CW dimmer 8 (0-100%)	000
-	-	64	64	64	000-255	WW dimmer 8 (0-100%)	000
-	-	65	65	65	000-255	CW dimmer 9 (0-100%)	000
-	-	66	66	66	000-255	WW dimmer 9 (0-100%)	000
-	-	67	67	67	000-255	CW dimmer 10 (0-100%)	000
-	-	68	68	68	000-255	WW dimmer 10 (0-100%)	000
-	-	69	69	69	000-255	CW dimmer 11 (0-100%)	000
-	-	70	70	70	000-255	WW dimmer 11 (0-100%)	000
-	-	71	71	71	000-255	CW dimmer 12 (0-100%)	000
-	-	72	72	72	000-255	WW dimmer 12 (0-100%)	000
-	-	73	-	73	000-255	CW dimmer 13 (0-100%)	000
-	-	74	-	74	000-255	WW dimmer 13 (0-100%)	000
-	-	75	-	75	000-255	CW dimmer 14 (0-100%)	000
-	-	76	-	76	000-255	WW dimmer 14 (0-100%)	000
-	-	77	-	77	000-255	CW dimmer 15 (0-100%)	000
-	-	78	-	78	000-255	WW dimmer 15 (0-100%)	000
-	-	79	-	79	000-255	CW dimmer 16 (0-100%)	000
-	-	80	-	80	000-255	WW dimmer 16 (0-100%)	000
-	-	81	-	81	000-255	CW dimmer 17 (0-100%)	000
-	-	82	-	82	000-255	WW dimmer 17 (0-100%)	000
-	-	83	-	83	000-255	CW dimmer 18 (0-100%)	000
-	-	84	-	84	000-255	WW dimmer 18 (0-100%)	000
-	-	85	-	85	000-255	CW dimmer 19 (0-100%)	000
-	-	86	-	86	000-255	WW dimmer 19 (0-100%)	000

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
					White SMD LEDs		
-	-	87	-	87	000-255	CW dimmer 20 (0-100%)	000
-	-	88	-	88	000-255	WW dimmer 20 (0-100%)	000
-	-	89	-	89	000-255	CW dimmer 21 (0-100%)	000
-	-	90	-	90	000-255	WW dimmer 21 (0-100%)	000
-	-	91	-	91	000-255	CW dimmer 22 (0-100%)	000
-	-	92	-	92	000-255	WW dimmer 22 (0-100%)	000
-	-	93	-	93	000-255	CW dimmer 23 (0-100%)	000
-	-	94	-	94	000-255	WW dimmer 23 (0-100%)	000
-	-	95	-	95	000-255	CW dimmer 24 (0-100%)	000
-	-	96	-	96	000-255	WW dimmer 24 (0-100%)	000
					RGB SMD LEDs		
-	-	97	-	-	000-255	Red SMD master dimmer (0-100%)	000
-	-	98	-	-	000-255	Green SMD master dimmer (0-100%)	000
-	-	99	-	-	000-255	Blue SMD master dimmer (0-100%)	000
-	-	-	73	97	000-255	Red dimmer 1 (0-100%)	000
-	-	-	74	98	000-255	Green dimmer 1 (0-100%)	000
-	-	-	75	99	000-255	Blue dimmer 1 (0-100%)	000
-	-	-	76	100	000-255	Red dimmer 2 (0-100%)	000
-	-	-	77	101	000-255	Green dimmer 2 (0-100%)	000
-	-	-	78	102	000-255	Blue dimmer 2 (0-100%)	000
-	-	-	79	103	000-255	Red dimmer 3 (0-100%)	000
-	-	-	80	104	000-255	Green dimmer 3 (0-100%)	000
-	-	-	81	105	000-255	Blue dimmer 3 (0-100%)	000
-	-	-	82	106	000-255	Red dimmer 4 (0-100%)	000
-	-	-	83	107	000-255	Green dimmer 4 (0-100%)	000
-	-	-	84	108	000-255	Blue dimmer 4 (0-100%)	000
-	-	-	85	109	000-255	Red dimmer 5 (0-100%)	000
-	-	-	86	110	000-255	Green dimmer 5 (0-100%)	000
-	-	-	87	111	000-255	Blue dimmer 5 (0-100%)	000
-	-	-	88	112	000-255	Red dimmer 6 (0-100%)	000
-	-	-	89	113	000-255	Green dimmer 6 (0-100%)	000
-	-	-	90	114	000-255	Blue dimmer 6 (0-100%)	000
-	-	-	91	115	000-255	Red dimmer 7 (0-100%)	000
-	-	-	92	116	000-255	Green dimmer 7 (0-100%)	000
-	-	-	93	117	000-255	Blue dimmer 7 (0-100%)	000
-	-	-	94	118	000-255	Red dimmer 8 (0-100%)	000
-	-	-	95	119	000-255	Green dimmer 8 (0-100%)	000
-	-	-	96	120	000-255	Blue dimmer 8 (0-100%)	000

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
					RGB SMD LEDs - cont.		
-	-	-	97	121	000-255	Red dimmer 9 (0-100%)	000
-	-	-	98	122	000-255	Green dimmer 9 (0-100%)	000
-	-	-	99	123	000-255	Blue dimmer 9 (0-100%)	000
-	-	-	100	124	000-255	Red dimmer 10 (0-100%)	000
-	-	-	101	125	000-255	Green dimmer 10 (0-100%)	000
-	-	-	102	126	000-255	Blue dimmer 10 (0-100%)	000
-	-	-	103	127	000-255	Red dimmer 11 (0-100%)	000
-	-	-	104	128	000-255	Green dimmer 11 (0-100%)	000
-	-	-	105	129	000-255	Blue dimmer 11 (0-100%)	000
-	-	-	106	130	000-255	Red dimmer 12 (0-100%)	000
-	-	-	107	131	000-255	Green dimmer 12 (0-100%)	000
-	-	-	108	132	000-255	Blue dimmer 12 (0-100%)	000
-	-	-	-	133	000-255	Red dimmer 13 (0-100%)	000
-	-	-	-	134	000-255	Green dimmer 13 (0-100%)	000
-	-	-	-	135	000-255	Blue dimmer 13 (0-100%)	000
-	-	-	-	136	000-255	Red dimmer 14 (0-100%)	000
-	-	-	-	137	000-255	Green dimmer 14 (0-100%)	000
-	-	-	-	138	000-255	Blue dimmer 14 (0-100%)	000
-	-	-	-	139	000-255	Red dimmer 15 (0-100%)	000
-	-	-	-	140	000-255	Green dimmer 15 (0-100%)	000
-	-	-	-	141	000-255	Blue dimmer 15 (0-100%)	000
-	-	-	-	142	000-255	Red dimmer 16 (0-100%)	000
-	-	-	-	143	000-255	Green dimmer 16 (0-100%)	000
-	-	-	-	144	000-255	Blue dimmer 16 (0-100%)	000
-	-	-	-	145	000-255	Red dimmer 17 (0-100%)	000
-	-	-	-	146	000-255	Green dimmer 17 (0-100%)	000
-	-	-	-	147	000-255	Blue dimmer 17 (0-100%)	000
-	-	-	-	148	000-255	Red dimmer 18 (0-100%)	000
-	-	-	-	149	000-255	Green dimmer 18 (0-100%)	000
-	-	-	-	150	000-255	Blue dimmer 18 (0-100%)	000
-	-	-	-	151	000-255	Red dimmer 19 (0-100%)	000
-	-	-	-	152	000-255	Green dimmer 19 (0-100%)	000
-	-	-	-	153	000-255	Blue dimmer 19 (0-100%)	000
-	-	-	-	154	000-255	Red dimmer 20 (0-100%)	000
-	-	-	-	155	000-255	Green dimmer 20 (0-100%)	000
-	-	-	-	156	000-255	Blue dimmer 20 (0-100%)	000
-	-	-	-	157	000-255	Red dimmer 21 (0-100%)	000
-	-	-	-	158	000-255	Green dimmer 21 (0-100%)	000
-	-	-	-	159	000-255	Blue dimmer 21 (0-100%)	000

Channel					Value	Function	Default Value
17CH	27CH	99CH	108CH	168CH			
					RGB SMD LEDs - cont.		
-	-	-	-	160	000-255	Red dimmer 22 (0-100%)	000
-	-	-	-	161	000-255	Green dimmer 22 (0-100%)	000
-	-	-	-	162	000-255	Blue dimmer 22 (0-100%)	000
-	-	-	-	163	000-255	Red dimmer 23 (0-100%)	000
-	-	-	-	164	000-255	Green dimmer 23 (0-100%)	000
-	-	-	-	165	000-255	Blue dimmer 23 (0-100%)	000
-	-	-	-	166	000-255	Red dimmer 24 (0-100%)	000
-	-	-	-	167	000-255	Green dimmer 24 (0-100%)	000
-	-	-	-	168	000-255	Blue dimmer 24 (0-100%)	000

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.

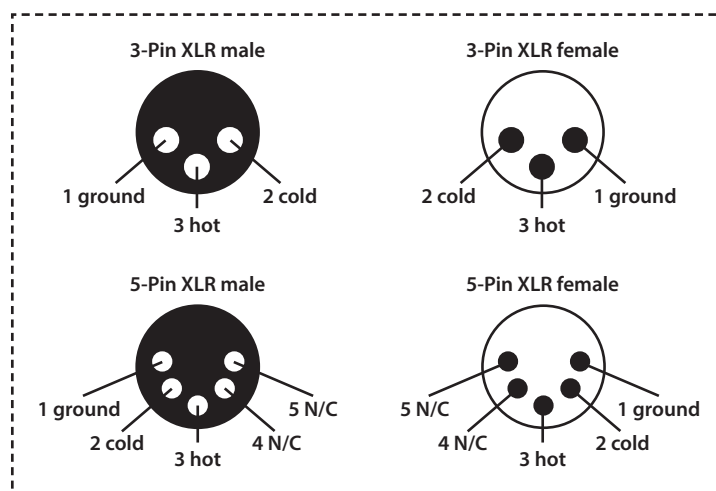
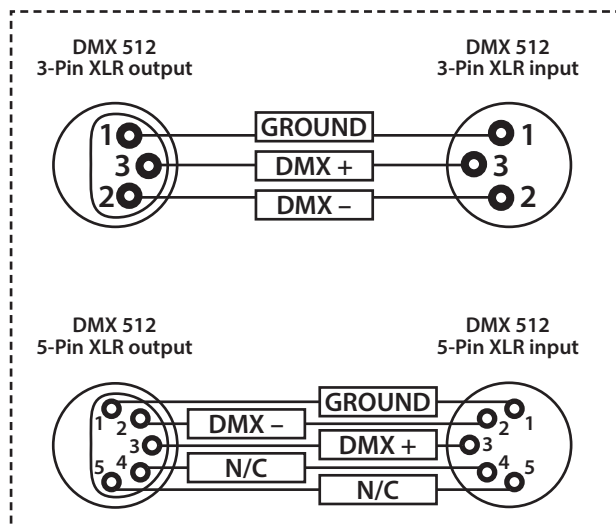
Please quote:	3-Pin:	CABL10 – 2m	CABL11 – 5m	CABL12 – 10m
	5-Pin:	CABL185 – 2m	CABL187 – 5m	CABL188 – 10m

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



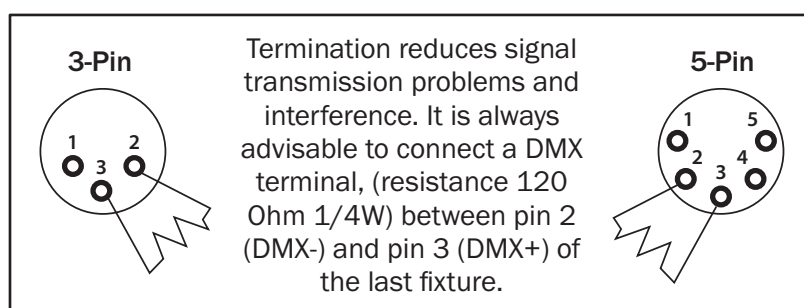
Line termination:

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.

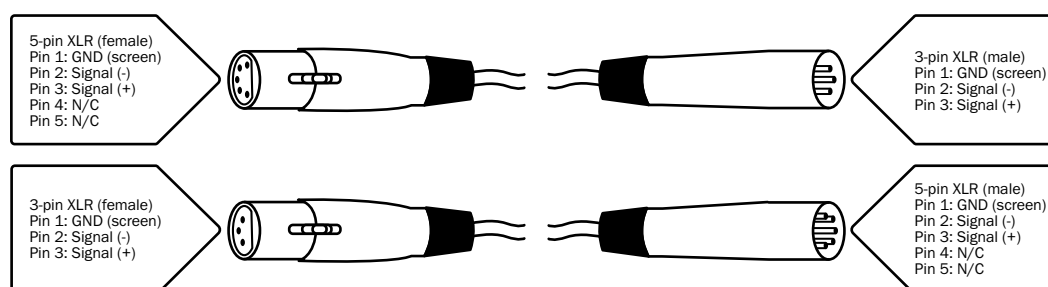
(3-pin - Order ref: CABL90,

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 2 fixtures @ 240V or 1 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 Meteor 1060 Zoom Batten 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.

