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VARI☀LITE
**VL600 Full Color
LED Ellipsoidal
Profile**

VARI-LITE VL600 Full Color LED Ellipsoidal Profile User Manual

Contents

VARI☀LITE

VARI-LITE VL600 Full Color LED Ellipsoidal Profile

Product Specifications

- Product Name: VL600 ACCLAIM PLE WW
- Manufacturer: Vari-Lite
- Model: VL600
- Color: Warm White (WW)

Product Usage Instructions

Introduction and Customer Support:

Welcome to the VL600 ACCLAIM PLE WW User Manual. Our goal is to provide you with exceptional customer service to ensure your business succeeds. Technical support is available for online assistance, repairs, maintenance contracts, and more. For customer service inquiries, visit our website or refer to the contacts in the back cover of this manual.

Additional Documentation and Resources:

- Additional product documentation, such as DMX maps and software downloads, can be accessed on our website.
- For detailed information on DMX512 control systems, consider purchasing the Recommended Practice for DMX512 guide from USITT.

Safety Warnings and Notices:

- Before installing or operating the VL600 fixture, read the user manual thoroughly to understand safety precautions.
- Only qualified personnel should handle installation and operation. Basic safety measures must be followed at all times to prevent injuries.

FAQ

- **Q:** Where can I find spare parts quotations and order spare parts?
    - **A:** Customer Service manages spare parts quotations, order entry, and fulfillment. You can contact a customer service agent in your region through our website.
- **Q:** How can I access additional product documentation?
    - **A:** Additional product documentation, including DMX maps and software downloads, can be found on our website for easy access.
- **Q:** What safety precautions should I follow when using the VL600 fixture?
    - **A:** Always read and follow all safety instructions provided in the user manual. Avoid staring into the beam as the fixture is categorized as Risk Group 2 (RG2).

INTRODUCTION

OUR GOAL

We are committed to providing you the highest quality in customer service. Our comprehensive resources are available to help your business succeed and ensure you get the full benefit of being a Vari-Lite customer.

TECHNICAL SUPPORT

Our Service and Support team is tasked with online and field support, repair, demo, commissioning, mainte-nance contracts, and technical training for fixtures and systems. In addition, this team plays a large role in a Systems sales, responsible for administering final commissioning, record-keeping, and organizing services. Refer to the back cover of this User Manual for contacts in your region or visit **www.vari-lite.com/support**

CUSTOMER SERVICE

Customer Service is responsible for boxed goods and spare parts quotations, order entry and fulfilment, project delivery, lead times, and general account management. They also manage all after sales warranty fulfillment, RGA, and repairs invoicing in tandem with our After Sales Service & Support team. Visit our website to find a customer service agent in your region.

ADDITIONAL DOCUMENTATION

Additional product documentation, including DMX maps, software, and photometric reports, are available for download on our website.
For more information on installing DMX512 control systems, the following publication is available for purchase from the United States Institute for Theatre Technology (USITT), "Recommended Practice for DMX512: A Guide for Users and Installers, 2nd edition" (ISBN: 9780955703522).

USITT Contact Information:

- USITT
- 315 South Crouse Avenue, Suite 200 Syracuse, New York 13210-1844 USA
- **Phone: 800-938-7488** or +1-**315-463-6463**
- **Fax: 866-398-7488** or +1-**315-463-6525**
- **Website: www.usitt.org**

ABOUT THIS DOCUMENT

Read all instructions before installing or using this product. Retain this User Manual for future reference. Additional product information and descriptions may be found on the product data sheet(s) which can be downloaded from the website at **www.vari-lite.com**.
This User Manual provides necessary information regarding safety, installation, operation and routine maintenance for VL600 Acclaim PLE WW. Familiarizing yourself with this information will help you to get the most out of your product.

WARNING: It is important to read ALL accompanying safety and installation instructions to avoid damage to the product and potential injury to yourself or others.

SAFETY INFORMATION

SAFETY WARNINGS AND NOTICES

Read this user manual in full before attempting to install, operate or maintain the fixture to which it relates. This user manual is intended to provide general guidance to such suitably qualified personnel. Installation and operation of the fixture are to be performed by qualified personnel only.
When using electrical equipment, basic safety precautions should always be followed including the following:

### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- For indoor, dry location use only. Do not use outdoors unless fixture is suitably IP-rated.
- Use safety tether when mounting.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- Not for residential use. Do not use this equipment for other than intended use.
- Note distance requirement(s) from combustible materials or illuminated objects. Do not mount near gas or electric heaters.
- Install only in locations with adequate ventilation. Ensure sure that ventilation slots are not blocked.
- Ensure that the voltage and frequency of the power supply match the power requirements of the fixture.
- The fixture must be earthed/grounded to the appropriate conductor.
- Do not operate fixture outside the specified ambient temperature range.
- Do not connect the fixture to any dimmer pack.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition and void warranty.
- Refer service to qualifi ed personnel. This fixture contains no user serviceable parts.
- Prior to first use, carefully inspect fixture to ensure no damage has occurred during shipping.
- Materials used in the manufacturing process can cause strong odors when the product is new. These odors dissipate over time.

- Prior to each use, carefully inspect power cables and replace any damaged cables.
- Exterior surfaces of the luminaire will be hot during operation. Take appropriate precautions.
- Continuous use of the fixture may shorten the lifespan. Power down the fixture when not in use.
- Do not cycle power on and off repeatedly. Disconnect mains power if the fixture is not used for an extended period.
- Clean fixtures regularly, particularly when working in a dusty environment.
- Never touch power cables or wires while the fixture is powered on.
- Avoid entangling power wires with other cables.
- In the event of a serious operating problem, immediately discontinue using the fixture.
- It is hazardous to operate luminaires without lens or shield. Shields, lenses, or ultraviolet screens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example, by cracks or deep scratches.
- Original packing materials can be reused for transporting the fixture.
- Do not look directly at the LED light beam while the fixture is on.
- This is a Class A product. In a domestic environment this product may cause radio interference, in which case, the user may be required to take adequate measures.
- The light source contained in this luminaire shall only be replaced by the manufacturer or service agent or similarly qualified person.

SAVE THESE INSTRUCTIONS

WARNING: Refer to National Electrical Code® and local codes for cable specifications. Failure to use proper cable can result in damage to equipment or danger to personnel. Caution Against Direct Sunlight Through Front Lens Assembly

CAUTION! Do not stare into the beam. This fixture is categorized as Risk Group 2 (RG2).
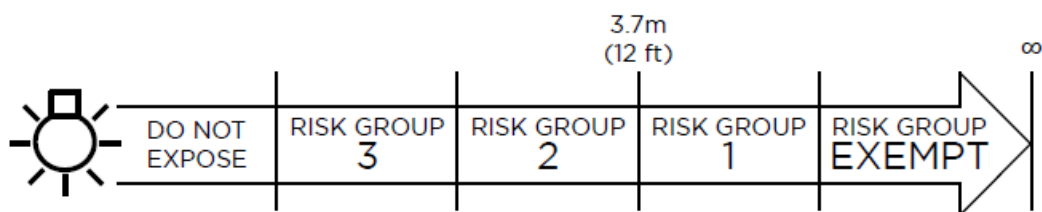
FCC STATEMENT

FCC DECLARATION OF CONFORMITY

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when this equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the Vari-Lite system, service, and safety guidelines, may cause harmful interference to radio communications.

As tested under this standard:

FCC 47CFR 15B cIA*CEI

Issued:2009/10/01 Title 47 CFR Part 15 Subpart B Unintentional Radiators Class A

Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his/her own expense.

EU DECLARATION OF CONFORMITY

We, Vari-Lite LLC., 10911 Petal Street, Dallas, Texas 75238, declare under our responsibility for the products contained herein are in conformity with the essential requirements of the following European Directives and harmonized standards:

Low Voltage Director (LVD), 2006/95/EC

- EN 60589-2-17:1984+A1:1987+A2:1990 used in conjunction with 60598-1:2008/A11:2009

Electromagnetic Compatibility Directive (EMC), 2004//108/EC

- EN 55022:2010, EN55024:2010

WARRANTY SERVICE

HOW TO OBTAIN WARRANTY SERVICE

A copy of the Limited Warranty card was included in the shipping package for this product.

To obtain warranty service, please contact customer service at 1-**214-647-7880**, or **entertainment.service@signify.com** and request a Return Material Authorization (RMA) for warranty service. You will need to provide the model and serial number of the item being returned, a description of the problem or failure and the name of the registered user or organization. If available, you should have your sales invoice to establish the date of sale as the beginning of the warranty period. Once you obtain the RMA, pack the unit in a secure shipping container or in its original packing box. Be sure to clearly indicate the RMA number on all packing lists, correspondence, and ship-ping labels. If available, please include a copy of your invoice (as proof of purchase) in the shipping container.

With the RMA number written legibly on or near the shipping address label, return the unit, freight prepaid, to:

- Vari-Lite LLC
- **Attention:** Warranty Service (RMA# _____) 10911 Petal Street
- Dallas, Texas 75238 USA

As stated in the warranty, it is required that the shipment be insured and FOB our service center.

IMPORTANT! When returning products to Vari-Lite for repairs (warranty or out-of-warranty) from a country other than the USA, "Vari-Lite LLC", must appear in the address block as the Importer of Record (IOR) on all ship-ping documentation, Commercial Invoices, etc. This must be done in order to clear customs in a timely manner and prevent returns.

DESCRIPTION

FEATURES

- 500 W/650 W-equivalent LED profile engine – cost effective profile from the original name in theatrical lighting.
- Supports SPX lens system – works perfectly with industry standard lens system with a wide range of available beam angles.
- Four-blade manual shutter system –superior control to position light exactly where you need it.
- Optional angle-adjusting size B metal gobo holder – add depth and texture using industry-standard gobos. Easily adjust gobo angle within holder to get the perfect look.
- Adjustable yoke – mount fixture where you want it even when headroom is limited.
- Available in black or white – the perfect body color for your application.

COMPONENTS

The document provides installation and operation instructions for the following products:

- VL600 Acclaim PLE WW

Read all instructions before installing or using this product. Retain this manual for future reference. Additional product information and descriptions may be found on the product specification sheet.

INCLUDED ITEMS

Each VL600 Acclaim PLE WW luminaire includes the following items:

- VL600 Acclaim PLE WW
- Quick Start Guide

INSTALLATION

MOUNTING

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support 10 times the unit's weight. Always use a safety cable that can hold up to 12 times the weight of the unit when installing the fixture. The luminaire must be mounted by professionals.
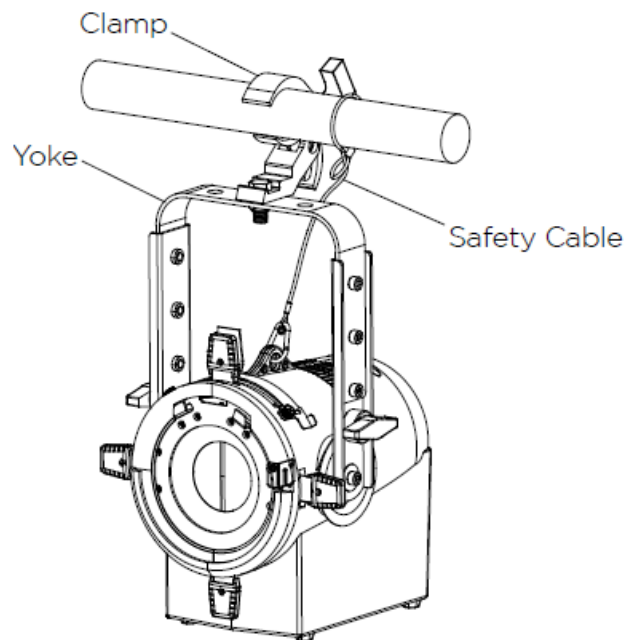
NOTE: Lens tube sold separately.

LENS INSTALLATION

To install lens:

- **Step 1.** Pull the locking lever on the lens tube toward the front of the lens.

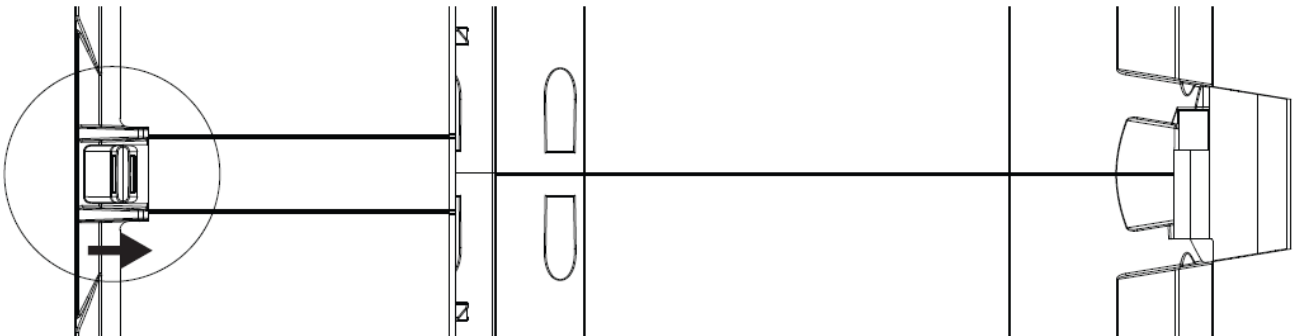- **Step 2.** Slide the lens tube down into the body until the locking lever can latch. Loosen focus lock knob and adjust focus as desired. Tighten to lock. Reverse process to remove.
    - Visit **www.vari-lite.com** for a complete list of compatible lens tubes.
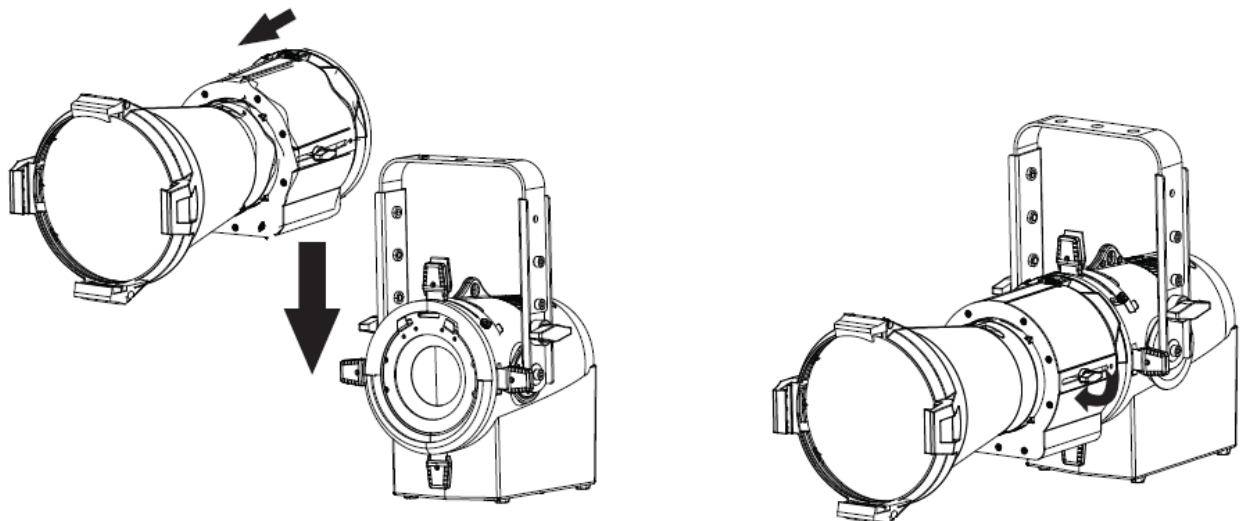
NOTE

- Lens tube may need to be moved foward (away from the body) to install or remove. Loosen focus lock knob to adjust.

GOBO HOLDER INSTALLATION

VL600 acclaim gobo holder (B-size)	912400576897	64511-012

To install the gobo holder:

- **Step 1.** Loosen the two screws at A and move the shading plate backward Tighten the two screws to fix it.
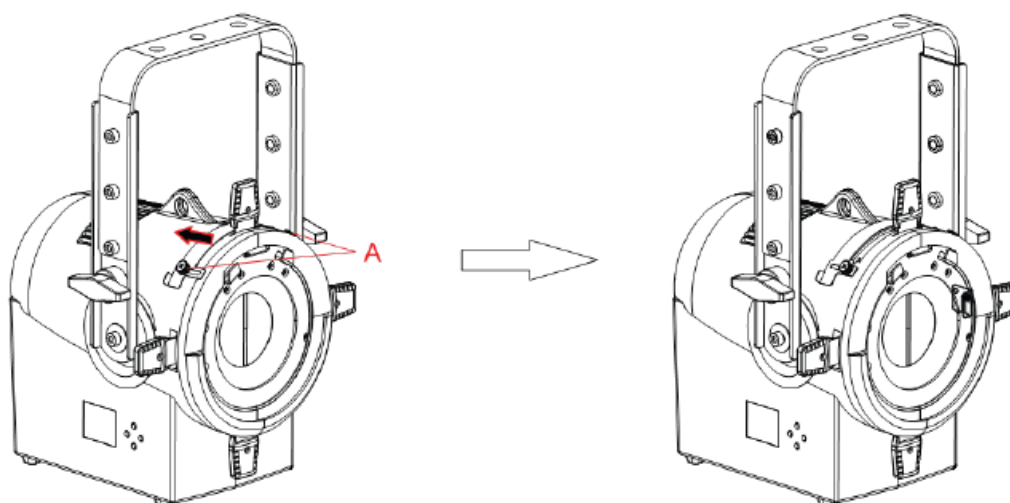
- **Step 2.** Snap the gobo holder into the luminaire.
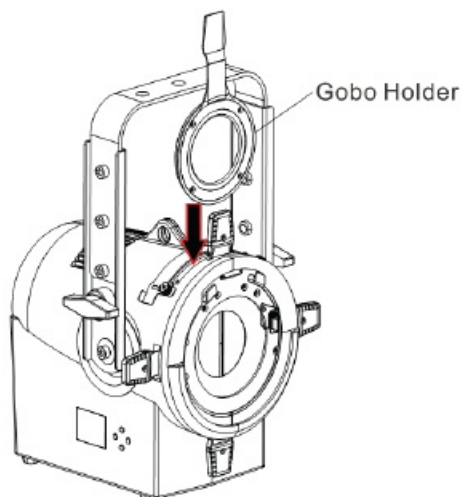
IRIS INSTALLATION

VL600 acclaim 16-leaf iris	912400576949	64511-013

Install the iris:

- **Step 1.** Loosen the two screws at A and move the shading plate backward. Tighten the two screws.
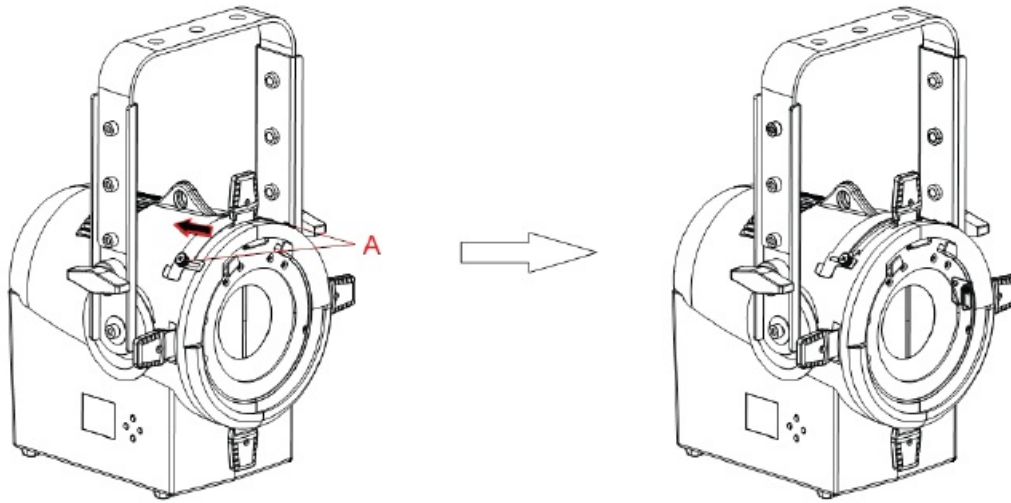
- **Step 2.** Snap the iris into the luminaire as shown.

Gobo Holder
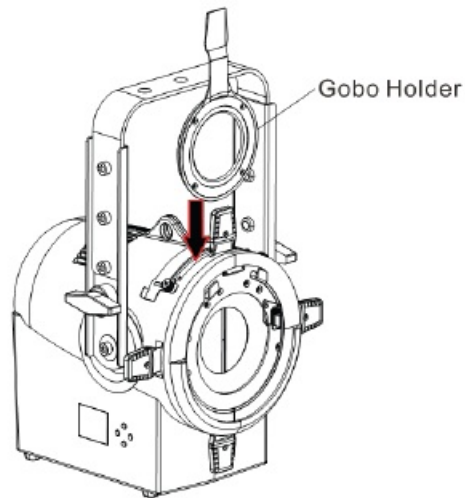
CONNECTING DATA AND POWER

- A maximum of 32 luminaires may be connected in any one DMX data link.
- A maximum of 9 luminaires may be connected in 120V, 60Hz.
- A maximum of 16 luminaires may be connected in 230V, 50Hz.

NOTE

- This maximum limit applies to the luminaire "daisy chain" only.
- Your system or console may require fewer luminaires on a single data link path. Consult your console documentation for more information.

To connect power and data:

- **Step 1.** Connect data cable from console to first luminaire in chain at DATA IN connector.
- **Step 2.** If required, connect additional data cables from DATA THRU connectors to DATA IN connectors of remaining luminaires in link.
- **Step 3.** At last luminaire in link, install male termination connector at DATA THRU connector. (Luminaires and other devices on the same DMX chain may not function properly without termination.)

AC IN
DATA IN
AC THRU
DATA THRU
AC THRU
DATA THRU
TERMINATION**
TERMINATION**
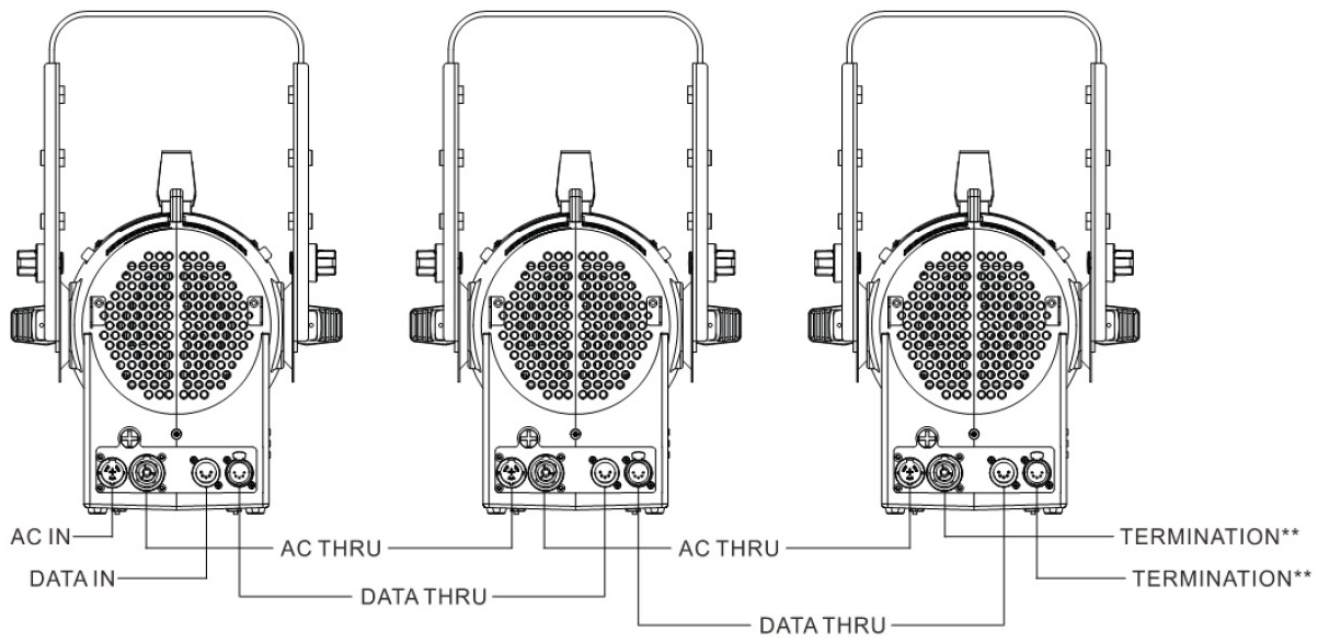
- **Step 4.** Connect AC Input Cable connector to power input source.
- **Step 5.** Dress AC input and data cables and secure them so that they will not interfere with luminaire head and yoke movement.

MENU OPERATION

CONTROL PANEL
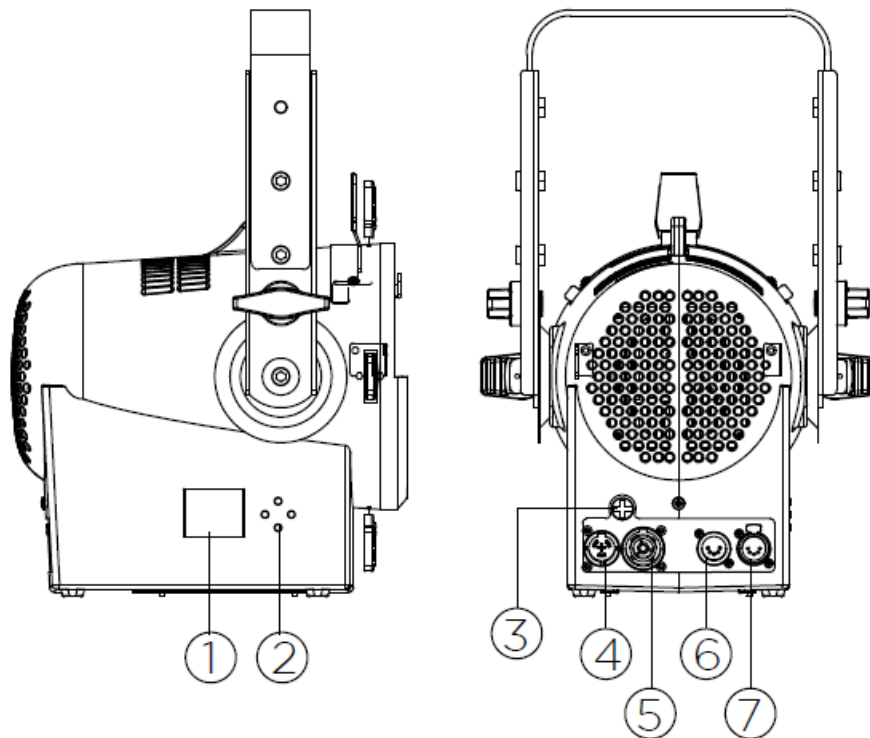
1. LCD display – shows menu and selected function
2. Buttons:
   - MENU – to select programming functions
   - DOWN – to go forward in selected functions
   - UP – to go backward in selected functions

- ENTER – to confirm the selected function
3. FUSE (T 3.15A) – protects the unit from overcurrent damage
4. POWER IN – connects to power supply
5. POWER OUT – connects to next fixture
6. DMX IN – 5-pin XLR cable to link the DMX console
7. DMX OUT – 5-pin XLR cable to link next fixture

Press the MENU button to select any functions, until the required function is shown in the display. Select the desired function by pressing ENTER, which will cause the display to blink. Use the UP and DOWN button to change the mode. Once the required mode has been selected, press the ENTER button to accept the selection, otherwise after a period of one minute wait, the menu will return automatically to the main functions, without any changes having been made. Return to the main functions without making any changes by pressing the MENU button.

BUTTON COMBINATION	FUNCTION
Menu + Enter	Factory defaults
Enter + UP	Turns the fixture on at full output
Enter + Down	Toggles through standard, studio, and Whisper modes
UP + Down	Inverts display

MENU UI STRUCTURE

MENU UI STRUCTURE									
LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6	DEFAULT	RDM ACTIVATION	DESCRIPTION	RESET TO DEFAULT UI
DMX	address	001~512					Get status & Change – ITP	set DMX address	set address to 001
	DMX Mode	8 – Bit				(Default)	Get status & Change – ITP	set Dmx Mode	reset to Default
		16 – Bit							
	Data	Ch 1 – Intensity XXX (Value)					Get status	Check incoming DMX data value	reset to Default
		Ch 2 – Intensity Fine XXX (Value)							
		……all functions							

	Dmx Fail	DMX Hold	(Default)	Get status & Change – ITP	set choice on DMX fail	reset to Default
		Blackout				
Manual	Dimmer	0-255	(Default – 0)	n/a	Manual control of leD (will hold if active on power cycle) exiting manual mode drops control	reset to Default
		Dimming Curve	square law	(Default)	Get status & Change – ITP	Dimmer curve selection – Dimming smoothness remain active at all times there is no Dim snap off fucntion, with the exception of using the strobe channel when strobing the fixture shall always snap on/off with no smoothing	reset to Default
			s Curve				
			linear				
		Output Mode	standard	(Default)	Get status & Change – ITP	Output mode – standard Max output highest fan speed	reset to Default
			studio				
			Whisper				
		Fan Mode	On		Get status & Change – ITP	On – Fan runs continuously auto – Fan ramps up and down as required by leD output	reset to Default
			auto	(Default)			
	leD		500Hz				
			1000Hz				
			1500Hz	(Default)			
			2000Hz			leD Frequency a	

settings	refresh rate	2500Hz		Get status & Change – ITP	djustment * reduce the number to smaller feasible list	reset to Default
		3000Hz				
		3500Hz				
		4000Hz				
	Display On Time	auto (30 seconds since last press)	(Default)	Get status & Change – ITP	UI screen time / no Orientation required at this level	reset to Default
		On				
	reset Defaults	Are you sure?		Get status & Change – ITP	Menu/excape = no enter = Yes Factory reset	

service	status	(no errors… or displays a list of errors)	Give list of fixture errors	Get status		excluded
	Diagnostics	Fan Check	Give fans speeds	Get status		excluded
		Temp	Give leD / Fixture temperatures	Get status		excluded
	Version	VXXX (MM/DD/YY		Get status	Fixture service area	excluded
	Fixture Hours	Gives Fixture run time hours / leD hours		Get status		excluded
	Cross load (software)	Are you sure? send		n/a		excluded

NOTE

- Not all menu options are available for every fixture.

DMX MENU

- Choose DMX, press the ENTER button to confirm, use the UP/DOWN button to choose from options listed.

ADDRESS

- Choose Address, press the ENTER button to confirm. Use the UP/DOWN button to select range of values.
- Press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one

minute to exit.

DMX MODE

- Choose DMX Mode, press the ENTER button to confirm. Use the UP/DOWN button to select mode.
- Press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit.

DATA

- Choose Data, press the ENTER button to confirm. Use the UP/DOWN button to select option.
- Choose Ch1 – Intensity xxx(value), Ch2 – Intensity Fine xxx(Value), …. All functions, press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

DMX FAIL

- To select DMX Fail, press the ENTER button to confirm. Use the UP/DOWN button to select DMX Hold or Blackout, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.

MANUAL MENU

To select Manual, press the ENTER button to confirm, use the UP/DOWN button to select Red, Green, Blue and Lime. Use the UP/DOWN button to adjust the value from 0 to 255, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.

SETTINGS MENU

- Choose Settings, press the ENTER button to confirm, use the UP/DOWN button to choose from options shown on screen.

LED

- Choose LED, press the ENTER button to confirm. Use the UP/DOWN button to select an option. Press the ENTER button to store. Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

DIMMING CURVE

- To Choose Dimming Curve, press the ENTER button to confirm. Use the UP/DOWN button to Choose Square Law Curve, S Law Curve or Linear Law Curve, press the ENTER button to store.
- Press the MENU button to return to previous menu or let the unit idle one minute to exit menu mode.

LINEAR	S-CURVE	SQUARE LAW

OUTPUT MODE

- Choose Output Mode, press the ENTER button to confirm. Use the UP/DOWN button to select Standard, Studio, or Whisper. Press the MENU button to return to previous menu.

COIOR CALIBRATION

- Choose Color Cal, press the ENTER button to confirm. Use the UP/DOWN button to Choose ON or OFF. Press the MENU button to return to previous menu.

Fan MODE

- Select Fan Mode, press the ENTER button to confirm. Use the UP/DOWN button to select On or Auto, press the ENTER button to store.
- Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.

REFRESH RATE

- Select Refresh Rate, press the ENTER button to confirm. Use the UP/DOWN button to select 500Hz, 1000Hz, 1500Hz, 2000Hz, 2500Hz, 3000Hz, 3500Hz, 4000Hz, press the ENTER button to store.
- Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.

DISPLAY ON TIME

- To select Display On Time, press the ENTER button to confirm. Use the UP/DOWN button to select Auto(30 seconds since last press) or On, press the ENTER button to store.
- Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.
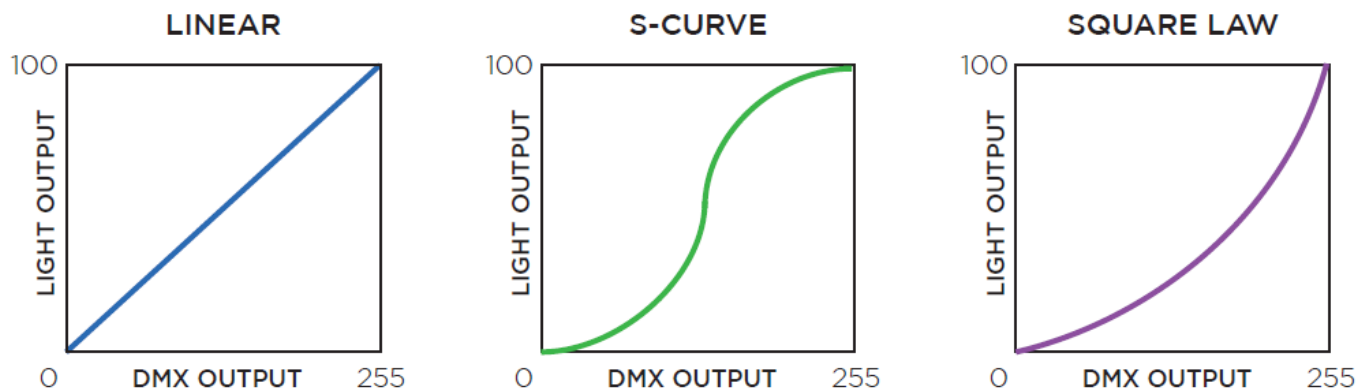
RESET DEFAULTS

- To select Reset Defaults, press the ENTER button to confirm, Are You Sure? will show on the display, press the ENTER button to store.
- Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.

SERVICE

SERVICE MENU

- To select Service, press the ENTER button to confirm, use the UP/DOWN button to select Status, Diagnostics, Version, Fixture Hours, Crossload(Software) and Password(2606).

STATUS

- To select Status, press the ENTER button to confirm, No Errors or a list of errors will show on the display, press the MENU button back to exit.

DIAGNOSTICS

- To select Diagnostics, press the ENTER button to confirm. Use the UP/DOWN button to select Fan Check or Temp, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.

VERSION

- To select Version, press the ENTER button to confirm, Version will show on the display, press the MENU button back to exit.

FIXTURE HOURS

- To select Fixture Hours, press the ENTER button to confirm, Fixture Hours will show on the display, press the MENU button back to exit.

CROSSLOAD(SOFTWARE)

- Select Crossload(Software), press the ENTER button to confirm, Are You Sure? will show on the display, press the
- ENTER button to store. Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.

NOTE

- Incoming DMX must be removed from the fixture or software crossload will not be activated.

PASSWORD

- Select Password(2606), press the ENTER button to confirm. Use the UP/DOWN button to select White Balance or Change Mode, press the ENTER button to store.
- Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.

WHITE BALANCE

- To select White Balance, press the ENTER button to confirm. Use the UP/DOWN button to select Red, Green, Blue, Lime or Reset to Defaults (Reset to White Balance), press the ENTER button to store.
- Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.

CHANGE MODE

- To select Change Mode, press the ENTER button to confirm. Use the UP/DOWN button to select Zoomspot, PLE, Fresnel or Cyc, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle one minute to exit menu mode.

DMX MAPPING

The fixture can be operated by DMX controller. The following tables assumes a DMX start address of 1.
When a different starting address is used, this address becomes channel 1 function and other functions follow in sequence.

DMX CHANNEL 8-BIT (DEFAULT)	DMX CHANNEL 16-BIT	PARAMETER	DEFAULT	RANGE	DESCRIPTION
1	1	Intensity (16-Bit High)	0	0 – 255	intensity (Dimmer) control channel
	2	Intensity (16-Bit Low)		0 – 65535 (16Bit)	
2	3	Strobe	0	0	Open
				1 -255	Strobe speed Slow>>>>>>>>>>>>>>>>>>>>Fast

RDM PARAMETER IDs

Remote Device Management (RDM) is a protocol enhancement to USITT DMX512 that allows bi-directional communication between a lighting or system controller and attached RDM compliant devices over a standard DMX line. This protocol will allow configuration, status monitoring, and management of these devices in such a way that does not disturb the normal operation of standard DMX512 devices that do not recognize the RDM protocol.

ACCLAIM LED PLE WW RDM PRODUCT PARAMETER IDS				
Model ID	Manufacturer	Vendor ID	Model Description	Product Category
0x0113	Vari-lite	0x564C	Vl600 aCClaIM Ple WW	0x0101

The table on the following pages outlines and describes all the RDM parameters IDs associated with the VL600 ACCLAIM PLE WW.

GET AL LOWED	SET ALL OWED	RDM PARAMETER IDS	VALUE	COMME NT	ESTA ST ANDARD	REQUIRED /	DMX / UI DE SCRIPTION
Category – network Management							
		DIsC_UnIQUe_BranCH	0x0001		X	X	
		DIsC_MUTe	0x0002		X	X	
		DIsC_Un_MUTe	0x0003		X	X	
X		PrOXIeD_DeVICes	0x0010				
X		PrOXIeD_DeVICes_CO UnT	0x0011				
X	X	COMMs_sTaTUs	0x0015				
Category – status Collection							
X		QUeUeD_MessaGe	0x0020				
X		sTaTUs_MessaGes	0x0030			X	status
X		sTaTUs_ID_DesCrIPTI On	0x0031			X	
	X	Clear_sTaTUs_ID	0x0032				
X	X	sUB_DeVICe_sTaTUs_ rePOrT_THresHOlD	0x0033				
Category – rDM Information							
X		sUPPOrTeD_ParaMeTe rs	0x0050		X	X	
X		ParaMeTer_DesCrIPTI On	0x0051		X	X	
Category – Product Information							
X		DeVICe_InFO	0x0060		X	X	
X		PrODUCT_DeTall_ID_lI sT	0x0070				
X		DeVICe_MODel_ DesC rIPTIOn	0x0080			X	
X		ManUFaCTUrer_laBel	0x0081			X	
X	X	DeVICe_laBel	0x0082			X	
X	X	FaCTOrY_DeFaUlTs	0x0090			X	reset Default s
X		lanGUaGe_CaPaBIlITIe s	0x00a0				
X	X	lanGUaGe	0x00B0				
X		sOFTWare_VersIOn_ la Bel	0x00C0		X	X	Version

X		BOOT_sOFTWare_ VersIOn_ID	0x00C1				
X		BOOT_sOFTWare_ VersIOn_laBel	0x00C2				
Category – DMX512 setup							
X	X	DMX_PersOnalITY	0x00e0			X	DMX Mode
X		DMX_PersOnalITY_ DesCrIPTIOn	0x00e1			X	
X	X	DMX_sTarT_aDDress	0x00F0		X	X	address
X		slOT_InFO	0x0120			X	
X		slOT_DesCrIPTIOn	0x0121			X	
X		DeFaUlT_slOT_ValUe	0x0122			X	
Category – sensors 0x02xx Use							
X		sensOr_DeFInITIOn	0x0200			X	
X	X	sensOr_ValUe	0x0201	Fan speed and		X	Diagnostics
	X	reCOrD_sensOrs	0x0202				
Category – Dimmer settings 0x03xx – FUTUre Use							
X	X	Dimmer Curve	0x0343			X	

X		Dimmer Curve Description	0x0344			X	
X	X	Modulation Frequency	0x0347			X	
X		Modulation Frequency Description	0x0348			X	
Category – Power / lamp settings 0x04xx							
X	X	DeVICe_HOUrs	0x0400			X	Fixture Hours
X	X	laMP_HOUrs	0x0401				
X	X	laMP_sTrIKes	0x0402				
X	X	laMP_sTaTe	0x0403				
X	X	laMP_On_MODe	0x0404				

X	X	DeVICe_POWer_CYCles	0x0405			
Category – Display settings 0x05xx						
X	X	DIsPlaY_InVerT	0x0500			
X	X	DIsPlaY_leVel	0x0501			
		Category – Configuration 0x06xx				
X	X	Pan_InVerT	0x0600			
X	X	TIlT_InVerT	0x0601			
X	X	Pan_TIlT_sWaP	0x0602			
X	X	real_TIMe_ClOCK	0x0603			
Category – Control 0x10xx						
X	X	IDenTIFY_DeVICe	0x1000		X	X
	X	reseT_DeVICe	0x1001			X
X	X	POWer_sTaTe	0x1010			
X	X	PerFOrM_selFTesT	0x1020	all Test, Pan/Tilt, encoder		
X		selF_TesT_DesCrIPTIOn	0x1021			
	X	CaPTUre PreseT	0x1030	see e1- 20_2010a		
X	X	PreseT PlaYBaCK	0x1031	Table a-7 defines		
		esTa reserved Future rDM	0x7Fe0 - 0x7FFF			

		Manufacturer-specific PIDs	0x8000-0xFFDF			
X	X	Output Power Mode	0x8a97	Value range depends on options (standard, studio, etc)	X	led Output Mode
X	X	Pan/Tilt Feedback (On/Off)	0x8aD3			
X	X	Display On Time	0x8aa0	Value range depends on options	X	Display On Time
X	X	Led Dimmer Curve	0x8aa1	Value range depends on options		Led Dimming Curve
X	X	Pan Tilt Movement (On/Off)	0x8aa2			
X	X	Head Motor Movement (On/ Off)	0x8aa3			

X	X	auto shutdown Mode	0x8aa4	Value range depends on options		
X	X	leD Hours	0x8aa5			
X	X	Dim snap (On/Off)	0x8aa6			
X	X	Color snap (On/Off)	0x8aa7			
X	X	auto Fan Mode (On/Off)	0x8aa8			Led Fan Mode
X	X	Gamma shift	0x8aa9	Value range depends on options		

X	X	Tungsten Dimming (On/Off)	0x8aaa				
X	X	CTB Correction (On/Off)	0x8aaB				
X	X	led refresh rate	0x8aaC	Value range depends on options			led refresh rate
X	X	side Hang (On/Off)	0x8aaD				
X	X	Focus Track (On/Off)	0x8aae				
	X	Control signel select DMX only/artneT (On/Off)	0x8aaF				
	X	Recalibrate fixture (level)	0x8aB0	different levels (all, position, color, etc)			
X	X	DMX Fail (Hold, Blackout, GOTO Preset)	0x8aB1				DMX Fail
X	X	artnet Universe	0x8aB2				
X	X	artnet net	0x8aB3				
X	X	artnet sub-net	0x8aB4				
X	X	artnet ethernet IP	0x8aB5				
X	X	artnet ethernet sub-net Mask	0x8aB6				
X	X	Manual PreseT Playback Power Up Preset	0x8aB7				
X	X	Manual PreseT Playback Preset Intensity	0x8aB8				
X	X	Manual PreseT Playback Priority	0x8aB9				
X	X	Manual PreseT Playback Power Up?	0x8aBa				

X	X	Led Color Calibration (On/ Off)	0x8aBB			X	Led Color C alibration

Appendix A

CARE AND MAINTENANCE

TROUBLeSHOOTinG

The following are a few common problems that may occur during operation.

- Luminaire does not work; light and fan do not turn on.
    - Check power connection and main fuse.
    - Measure the mains voltage on the main connector.
- Not responding to DMX controller.
    - If DMX LED is not illuminated, verify that the DMX cables are properly connected.
    - If the DMX LED is illuminated and there is no response, verify DMX address settings and the DMX polarity.
    - If you experience intermittent DMX signal problems, check the pins on the connectors or on the PCB.
    - Test with a different DMX controller.
    - Check if the DMX cables run near or alongside high voltage cables that may cause interference to the DMX interface circuit.

CLEANING

Cleaning the inside of the luminaire must be carried out periodically in order to optimize the light output. Cleaning frequency depends on the environment in which the fixture operates. Damp, smoky or particularly dusty surroundings can cause greater accumulation of dirt on the fixture's optics.

- Clean with a soft cloth using glass cleaning fluid.
- Dry parts carefully.
- Clean the external optics at least every 30 days.

Appendix B

FAN SPEED AND CONTROL

FAN SPEED AND CONTROL

All Vari-lite luminaires will be governed by the same Fan speed v Noise levels v Maximum power output rules as details below. These noises related to these levels will confirm to Noise Criteria levels details of which are contained within the document.
There are 3 control parameters can be selected separately or in conjunction when permitted to manage Fan speed v Noise levels v Maximum power output.
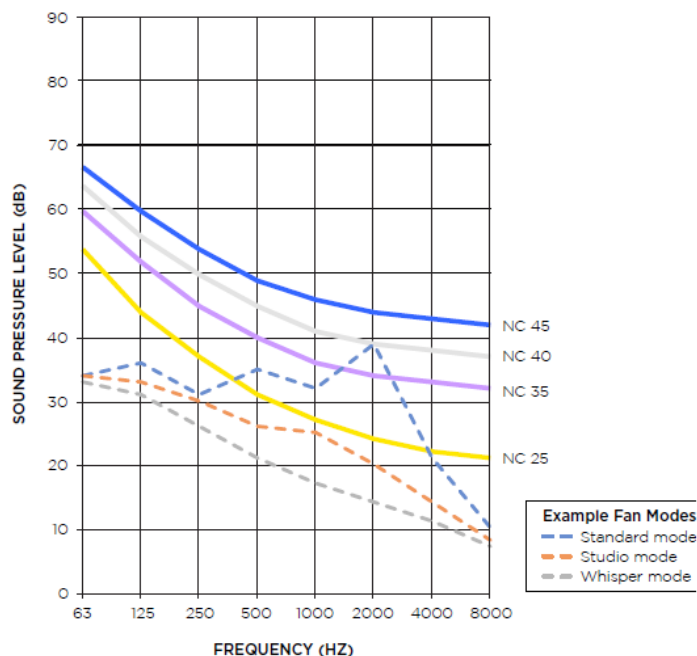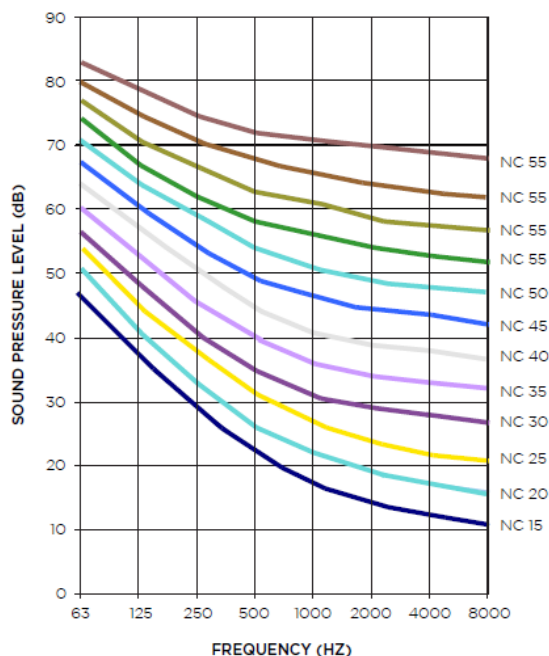
NOTE: Not all features have all modes or functions refer to DMX map and User interface menu tree to see if you product has one of more of these functions. tem 1 – Fan 'v' Output Preset Modes

- These modes are selectable at either/or the fixture DMX control channel or via the fixture user interface screen. The section of the modes works in conjunction with Items 3 and will also active or deactivate the Item 2.
- Boost mode – LED output boosted to >120% of standard output fan speeds increased manage heat level of LED (may be limited to only run for XXhrs). Fixture will not exceed NC45 – NC55 sound levels in this mode
- Standard mode – Full LED Output + Fan Spin at top speed (loudest setting). The fixture will not exceed NC40 sound levels in this mode
- Studio Mode – Fan speed reduced to the appropriate amount to reduce dB levels >10% of full speed + LED @ max output approximately 80% of Standard output at appropriate level to ensure LED work at optimum temperature and output efficiency (fan speed remains at a constant speed and do not ramp up or down) NC35
- Whisper mode – Fan speed reduced to appropriate amount to reduce dB levels to >30% of the full speed + LED Max output approximately 60% of Standard output at an appropriate level to ensure LED work at optimum temperature and output efficiency (Fan speed remains at a constant speed and do not ramp up or down) NC25
- Silent Mode – ideally Fans do not spin + output is capped at an appropriate level to ensure LED work at optimum temperature and output efficiency (Fan should never switch on in this mode or change speed if they on) NC15 target level.

Mode	Led OUTPUT	Fan Speed	Noise Criterion	Equivalent Sound Level dBA (@3M)
Boost Mode	>100%	Boosted fan speed constant	NC45	50
Standard Mode	Full 100%	Full 100% constant	NC40	45
Studio Mode	80%	Appropriate speed to reduce dB levels >10% of full speed	NC35	40
Whisper Mode	60%	Appropriate speed to reduce dB levels >30% of full speed	NC25	35
Silent Mode	TBC	Fan off	NC15	25

Noise Criterion	OCTAVE BAND CENTER FREQUENCY (H7)							
	63	125	250	500	1000	2000	4000	8000
	SOUND PRESSURE LEVELS (DB)							
NC-15	47	36	29	22	17	14	12	11
NC-20	51	40	33	26	22	19	17	16
NC-25	54	44	37	31	27	24	22	21
NC-30	57	48	41	35	31	29	28	27
NC-35	60	52	45	40	36	34	33	32
NC-40	64	56	50	45	41	39	38	37
NC-45	67	60	54	49	46	44	43	42
NC-50	71	64	58	54	51	49	48	47
NC-55	74	67	62	58	56	54	53	52
NC-60	77	71	67	63	61	59	58	57
NC-65	80	75	71	68	66	64	63	62
NC-70	83	79	75	72	71	70	69	68

TECHNICAL SUPPORT

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Documents / Resources

VARI-LITE VL600 ACCLAIM PLE WW USER MANUAL	**VARI-LITE VL600 Full Color LED Ellipsoidal Profile** [pdf] User Manual VL600 Full Color LED Ellipsoidal Profile, VL600, Full Color LED Ellipsoidal Profile, LED Ellipsoidal Profile, Ellipsoidal Profile

References

- ❇ **Home | Vari-Lite**
- **User Manual**