OVATION
E-930VW

User Manual

* Lens tubes sold separately

Model ID: OVATIONE930VW

CHAUVET
PROFESSIONAL

Edition Notes

The Ovation E-930VW User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Ovation E-930VW.

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Document Printing

For best results, print this document in color, on letter size paper (8.5 x 11 in), double-sided. If using A4 paper (210 x 297 mm), configure the printer to scale the content accordingly.

Intended Audience

Any person installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.

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Document Revision

Go to www.chauvetprofessional.com for the latest version.

Revision	Date	Description
7	12/2023	Added verbiage for effectiveness and useful life of the Soft Focus Filter.

TABLE OF CONTENTS

1. Before You Begin

What Is Included

- Ovation E-930VW
- Neutrik® powerCON® power cable
- Soft focus filter
- Quick Reference Guide

Claims

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate customer's claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

Manual Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
<SET>	A button on the product's control panel
Settings	A product function or a menu option

Symbols

Symbol	Meaning
⚠	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
ⓘ	Important installation or configuration information. The product may not function correctly if this information is not used.
📝	Useful information.

📝 **The term "DMX" used throughout this manual refers to the USITT DMX512-A digital data transmission protocol.**

Safety Notes

Read all the following safety notes before working with this product. These notes contain important information about the installation, usage, and maintenance of this product.

⚠️ **This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs.**

ⓘ **All applicable local codes and regulations apply to proper installation of this product.**

- The luminaire is intended for professional use only.
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 10 ft (3 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or its service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or its service agent or a similar qualified person.
- **CAUTION:**
    - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
    - When transferring the product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow the product to fully acclimate to the surrounding environment before connecting it to power.
    - Flashing light is known to trigger epileptic seizures. User must comply with local laws regarding notification of strobe use.
- **ALWAYS:**
    - Disconnect from power before cleaning the product or replacing the fuse.
    - Replace the fuse with the same type and rating.
    - Use a safety cable when mounting this product overhead.
    - Connect this product to a grounded and protected circuit.
- **DO NOT:**
    - Open this product. It contains no user-serviceable parts.
    - Look at the light source when the product is on.
    - Leave any flammable material within 1.64 ft (50 cm) of this product while operating or connected to power.
    - Connect this product to a dimmer or rheostat.
    - Operate this product if the housing, lenses, or cables appear damaged.
    - Operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it (adhere to standards for the published IP rating).
- ONLY use the hanging/mounting bracket to carry this product.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
- The minimum startup temperature is -14°F (-10°C). Do not start the product at lower temperatures.
- To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
- In the event of a serious operating problem, stop using immediately.

📝 **If a Chauvet product requires service, contact Chauvet Technical Support.**

FCC Statement of Compliance

This device complies with Part 15 Part B of the FCC rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Expected LED Lifespan

Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product, and limit the overall intensity.

2. Introduction

Description

The Ovation E-930VW is a high-performance, variable white ellipsoidal-style fixture that uses Chauvet's unique six-color LED system. The fixture projects a bright and beautifully flat field of light in nearly any temperature of white with high CRI and CQS. Each color temperature can be further adjusted for +/- green to perfect the field of light. Full control of each color is available for times when a splash of color is needed.

Features

- Operating modes:
    - 3-channel: dimmer, color temperature, hue
    - 5-channel: dimmer, 16-bit dimmer, color temperature, hue, strobe
    - 6-channel: red, orange, green, royal blue, blue, lime
    - 8-channel: dimmer, red, orange, green, royal blue, blue, lime, strobe
    - 11-channel: dimmer, red, orange, green, royal blue, blue, lime, strobe, color temperature, hue, dimmer speed
    - 15-channel: dimmer, 16-bit dimmer, red, fine red, orange, fine orange, green, fine green, royal blue, fine royal blue, blue, fine blue, lime, fine lime, strobe
    - 18-channel: dimmer, 16-bit dimmer, red, fine red, orange, fine orange, green, fine green, royal blue, fine royal blue, blue, fine blue, lime, fine lime, strobe, color temperature, hue
- Variable white ERS-style lighting fixture for theatre, film, and production
- Color temperature presets from 2800 K to 8000 K with high CRI and CQS
- Beautiful 16-bit dimming
- Proprietary LED engine delivers tremendous equal output at all color temperatures
- +/- green adjustment via DMX or on-board control
- Independent color control over the six-color engine when a splash of color is needed
- RDM (Remote Device Management) for added flexibility
- Adjustable PWM (Pulse Width Modulation) to avoid flickering on camera
- Virtually silent operation for use in studio and theater applications
- Works perfectly with industry-standard lens tubes and accessories

Lens Tube

The following lens tubes are available for purchase:
- 14° w/ gel frame (7.5 in/191 mm accessories)
- 19° w/ gel frame (6.25 in/159 mm accessories)
- 26° w/ gel frame (6.25 in/159 mm accessories)
- 36° w/ gel frame (6.25 in/159 mm accessories)
- 50° w/ gel frame (6.25 in/159 mm accessories)
- 15°–30° w/ gel frame (7.5 in/191 mm accessories)
- 25°–50° w/ gel frame (7.5 in/191 mm accessories)

Product Overview
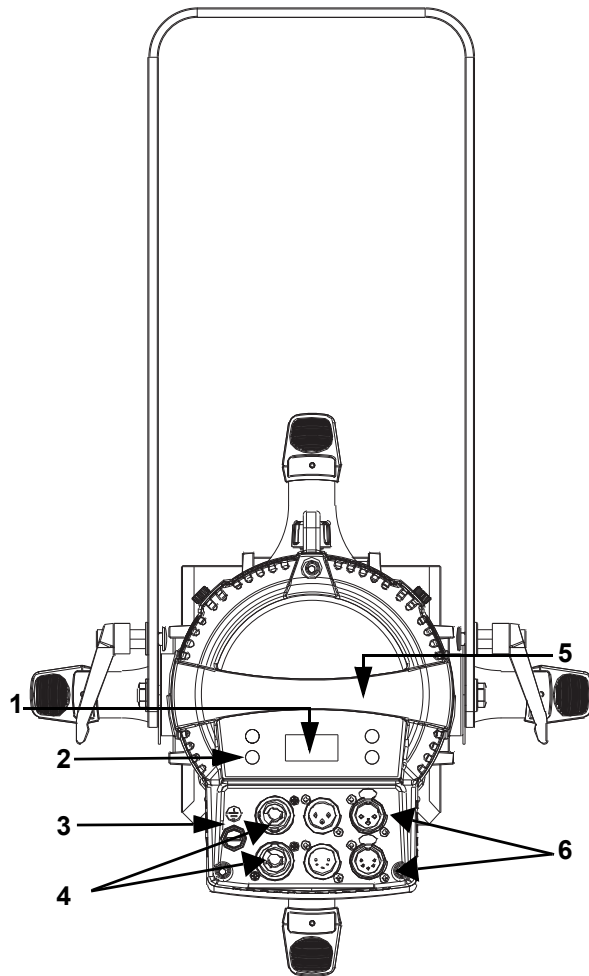
#	Name
1	Display
2	Menu buttons
3	Fuse holder
4	powerCON® in/out
5	Handle
6	3- and 5-pin DMX in/out
7	Framing shutter (x4)
8	Pattern holder slot (A-size holder for 3-in patterns. B-Size holder for 2.5-in and 2.75-in patterns, sold separately
9	Accessory slot
10	Beam focus knobs (x2)
11	Gel frame holder
12	Barrel rotation knobs (x2)
13	Lens tube (sold separately)
14	Barrel assembly
15	Light engine

Product Dimensions

25 in
636 mm

28 in
800 mm

13.5 in
344 mm

23 in
590 mm

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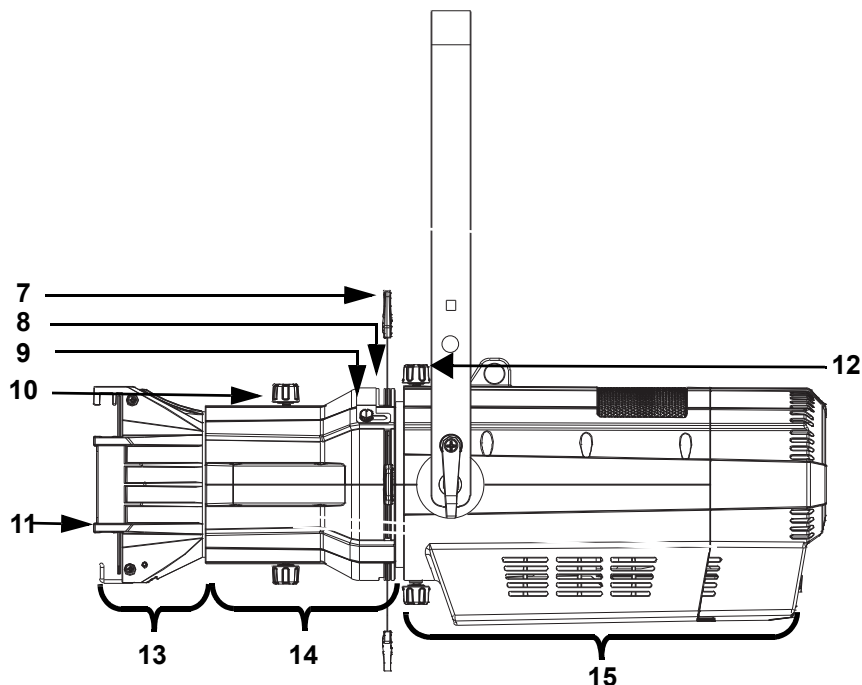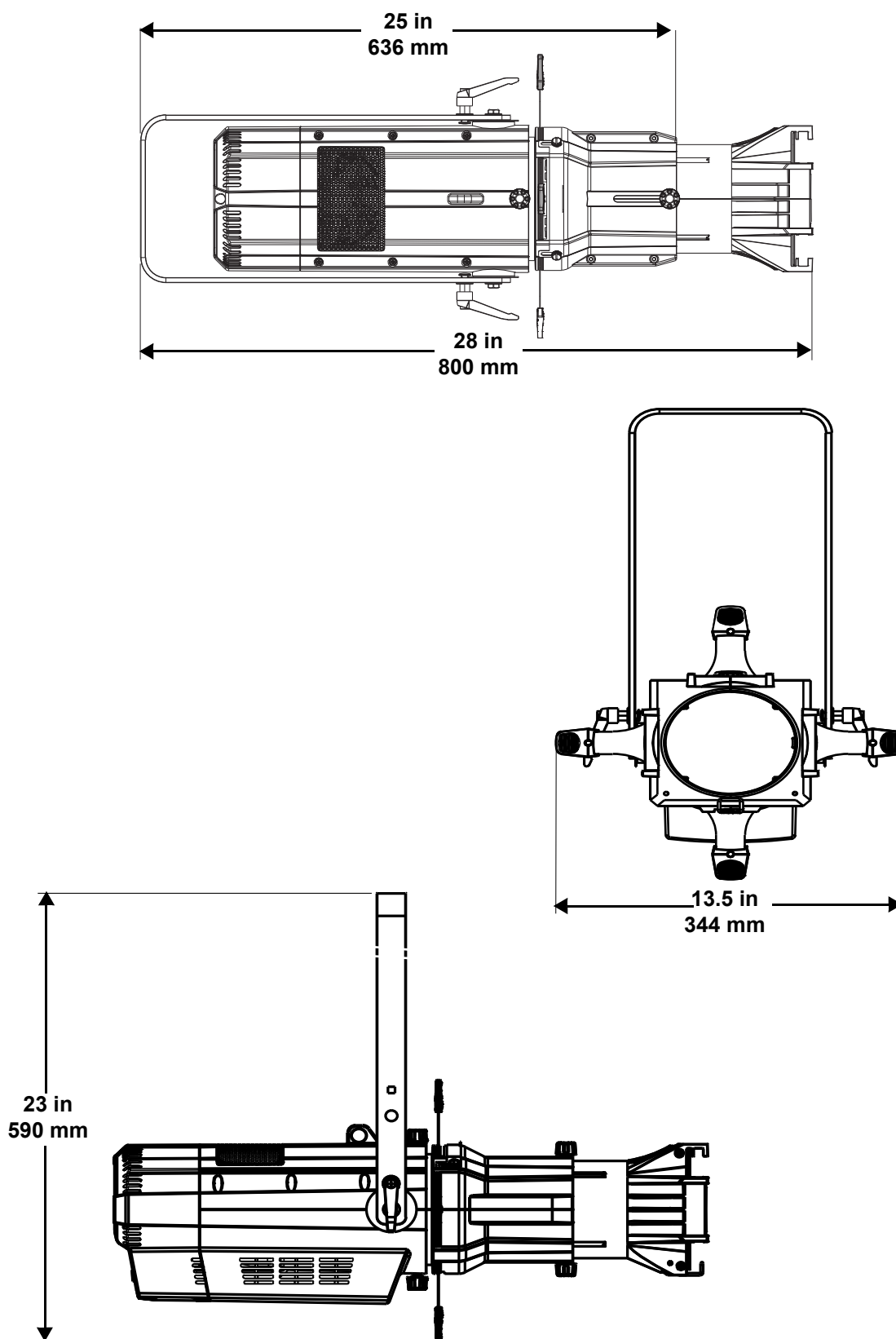
3. Setup

AC Power

Each Ovation E-930VW has an auto-ranging power supply that works with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the power requirements for each Ovation E-930VW, refer to the label affixed to the product or to the Technical Specifications chart in this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, download Sizing Circuit Breakers from the Chauvet website: www.chauvetprofessional.com.

⚠️
- **Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**

ⓘ **Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

AC Plug

The Ovation E-930VW comes with a power input cord terminated with a Neutrik® powerCON® connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with the product has no plug, or if the plug needs to be changed, use the table below to wire the new plug.

Connection	Wire (U.S.)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

Power Linking

It is possible to power link Ovation E-930VW products. See the table below for the current draw at each voltage and frequency:

	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz
Current Draw	2 A	1.2 A	1 A

Never exceed 12A on a single circuit. Power-linking cables can be purchased separately.

Fuse Replacement

1. Disconnect this product from the power outlet.
2. Using a Phillips-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with another fuse of the same type and rating (T 3.15 A, 250 V).
4. Screw the fuse holder cap back in place and reconnect power.

⚠️ **Make sure to disconnect the product's power cord before replacing a blown fuse. Always replace the blown fuse with another of the same type and rating.**

DMX Linking

The Ovation E-930VW can be linked to a DMX controller using a 3- and 5-pin DMX connection. If using other DMX-compatible products with this product, it is possible to control each individually with a single DMX controller.

DMX Personalities

The Ovation E-930VW uses a 3- and 5-pin DMX data connection for the **3Ch**, **5Ch**, **6Ch**, **8Ch**, **11Ch**, **15Ch**, and **18Ch** DMX personalities.

- Refer to the Introduction for a brief description of each DMX personality.
- Refer to the Operation chapter to learn how to configure the Ovation E-930VW to work in these personalities.
- The Standalone Configuration section provides detailed information regarding the DMX personalities.

📝 **For information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.**

Remote Device Management

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer, as not all DMX controllers have this capability. The Ovation E-930VW supports RDM protocol that allows feedback to make changes to menu map options.

Master/Slave Connectivity

The Master/Slave mode allows an Ovation E-930VW (the master) to control one or more Ovation E-930VW products (the slaves) without a DMX controller. One Ovation E-930VW becomes the master when running an auto or custom program, or by being in a Static mode.

Each slave's control panel must be configured to operate in Slave mode. During Master/Slave operation, the slaves will operate in unison with the master.

> **DO NOT connect a DMX controller to products operating in Master/Slave mode. The DMX controller signals may interfere with the signals from the master.**

> - **The Operation section of this manual provides detailed instructions on how to configure the master and slaves.**
> - **For more information about DMX standards or the DMX cables needed to link this product to a DMX controller, download the DMX primer from the Chauvet website: www.chauvetprofessional.com.**

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes. For Chauvet Professional line of mounting clamps, go to: http://trusst.com/products/.

Orientation

Always mount this product in a safe position, ensuring that there is adequate room for ventilation, configuration, and maintenance.

Rigging

Chauvet recommends using the following general guidelines when mounting this product:

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the Technical Specifications).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power-linking cables to reach.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.

Procedure

The Ovation E-930VW comes with a double-bracketed yoke that can be used as a floor stand or to which mounting clamps can be attached for hanging. Mounting clamps must be purchased separately. Ensure that the clamps can support the weight of this product. Use at least one mounting point per product where necessary.

Mounting Diagram
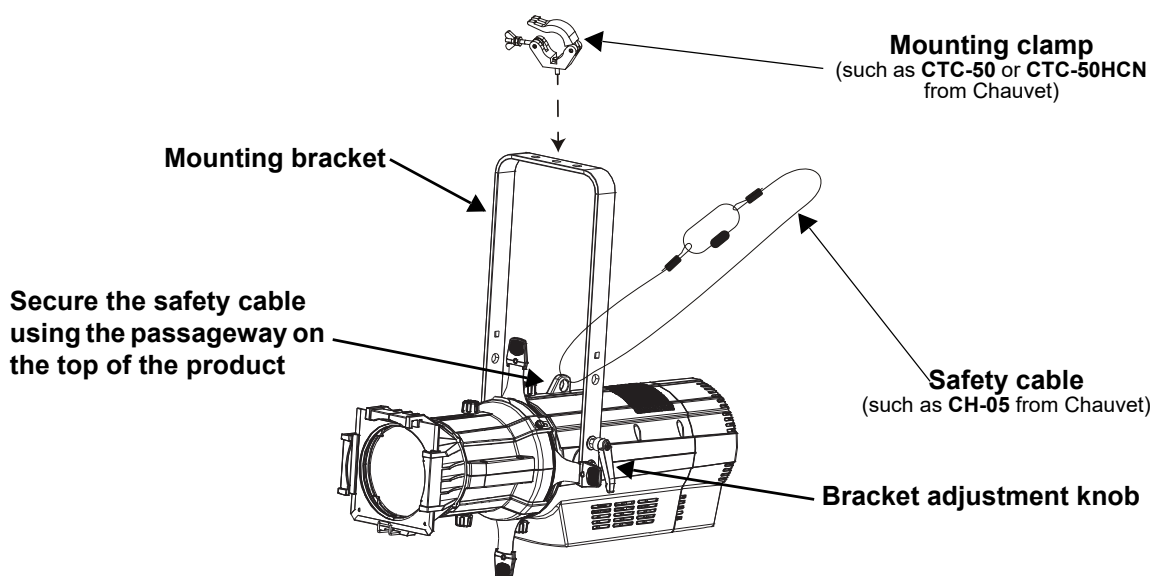
Manual Beam Focus Control

The Ovation E-930VW has a manual focus, which is adjusted as follows:
1. Locate the beam focus knobs at the top and bottom of the barrel assembly.
2. Loosen the knobs by turning them counter-clockwise.
3. Slide the lens tube forward or backward until the desired focus or beam edge is achieved.
4. Tighten the knobs by turning them clockwise, which lock the lens tube's position.

> **To avoid changing menu settings while focusing the Ovation E-930VW, press and hold the <ENTER> button for 3 seconds. This will put the product in Focus Mode, by increasing the intensity to 100%. To exit out of focus mode, press <MENU>.**

Rotating the Barrel Assembly

The Ovation E-930VW allows manual rotation of the barrel assembly, as follows:
1. Locate the barrel rotation knobs at the top and bottom of the light engine.
2. Loosen the knobs by turning them counterclockwise. (**Note**: Do not remove the knobs.)
3. Rotate the barrel to the desired position, up to 25° in either direction from the centered position.
4. Tighten the knobs by turning them clockwise, which locks the barrel's position.

> **Ensure that the barrel assembly is oriented with the pattern holder and accessory slots at the top of the product.**

Accessory Slot

The Ovation E-930VW has an accessory slot, which holds a drop-in iris, a motorized pattern device, or various other optional accessories (sold separately).

1. Loosen the thumbscrews on the slot cover. (**Note**: Do not remove the thumbscrews).
2. Slide to cover forward.
3. Insert an accessory. (**Note**: Make sure to insert the accessory correctly, i.e., the iris handle extends upward from the slot.)
4. Slide the cover back. Make sure any handles or adjustment tools that stick out the top are able to function correctly.
5. Tighten the thumbscrews to secure the cover.

Thumb screws

Iris handle
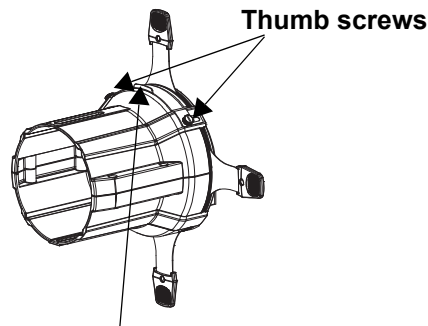
Accessory Slot Cover
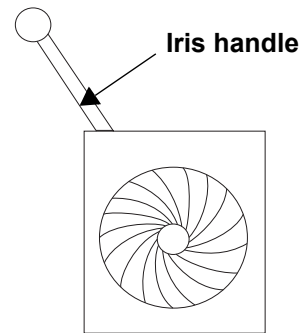
Sample Drop-in Iris

- **When not using the accessory slot, replace and secure the slot cover to prevent light leakage during operation.**
- **When obtaining any optional accessories, ensure that the items are compatible with the Ovation E-930VW.**

Soft Focus Filter

The Ovation E-930VW comes with a soft focus filter. To keep the soft focus filter in good condition:

- Ensure that no fingerprints are left on the filter, as this may cause the filter to heat unevenly and eventually warp.
- When placing the filter in the holder, follow the orientation direction printed on the filter.
- When inserting shutter blades into the light path, note that the heat is reflected back at the filter. The deeper the blades are inserted, and the longer the fixture runs, the more heat gets reflected on to the filter, causing it to warp and potentially adhere to the shutter blades.

If there is a protective film on the soft-focus filter, it must be removed before use. The filter is in a holder in the metal gobo slot.

The lifespan and effectiveness of the Soft Focus Filter accessory included with this product will be negatively impacted by excessive reflected heat caused by the extended use of gobos, shutters, irises, and other beam shaping accessories. The filter is not covered by the limited warranty. Replacements are available for purchase.

4. Operation

Control Panel Operation

Button	Function
<MENU>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value in to the current function
<UP>	Navigates upward through the menu list or increases the numeric value when in a function
<DOWN>	Navigates downward through the menu list or decreases the numeric value when in a function

Control Options

Set the Ovation E-930VW starting address in the 001-512 DMX range. This enables control of up to 10 products in the 18-channel personality.

Programming

Refer to the Menu Map to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.
- To go to the desired main level, press **<MENU>** repeatedly until the option shows on the display. Press **<ENTER>** to select. This will show the first programming level for that option.
- To select an option or value within the current programming level, press **<UP>** or **<DOWN>** until the option shows on the display. Press **<ENTER>** to select. This will show either the first option if there is another programming level, or the selected value.
- Press **<MENU>** repeatedly to exit to the previous main level.

DMX Configuration

Use DMX configurations to operate the product with a DMX controller.

DMX Personalities

This setting allows the user to choose a particular DMX personality.
1. Go to the **DMX Channel** main level.
2. Select the desired personality (**3Ch, 5Ch, 6Ch, 8Ch, 11Ch, 15Ch,** and **18Ch**).

> - **See the Starting Address section for the highest starting address suggested for each personality.**
> - **Make sure that the starting addresses on the various products do not overlap due to the new personality setting.**

Starting Address

In this mode, each product will respond to a unique starting address from the DMX controller. All products with the same starting address will respond in unison.
1. Go to the **DMX Address** main level.
2. Set the starting address (**001**–**512**).

The highest recommended starting address for each DMX mode is as follows:

DMX Personality	DMX Address	DMX Personality	DMX Address
3Ch	510	11Ch	502
5Ch	508	16Ch	497
6Ch	507	18Ch	495
8Ch	505		

Menu Map

Main Level	Programming Levels	Description
DMX Address	001–512*	Selects DMX address (highest channel restricted to personality chosen)
DMX Channel	3Ch	3-channel: dimmer, color temperature, hue
	5Ch	5-channel: dimmer, fine dimmer, color temperature, hue, strobe
	6Ch	6-channel: red, orange, green, royal blue, blue, lime,
	8Ch	8-channel: dimmer, red, orange, green, royal blue, blue, lime strobe
	11Ch	11-channel: dimmer, red, orange, green, royal blue, blue, lime strobe, color temperature, hue, dimmer speed, control
	15Ch	15-channel: dimmer, fine dimmer, red, fine red, orange, fine orange, green, fine green, royal blue, fine royal blue, blue, fine blue, lime, fine lime, strobe
	18Ch	18-channel: dimmer, fine dimmer, red, fine red fine, orange, fine orange, green, fine green, royal blue, fine royal blue, blue, fine blue, lime, fine lime, strobe, color temperature, hue, control

Main Level	Programming Levels			Description
Static	Color Temperature	2800K		Preset white color temperatures. Emulates a tungsten lamp at the specified color temperature. Refer to the [Preset Color Temperature Chart](#) for specific values.
		2900K		
		3000K		
		3100K		
		3200K		
		3300K		
		3400K		
		3500K		
		3600K		
		3700K		
		3800K		
		3900K		
		4000K		
		4100K		
		4200K		
		4300K		
		4400K	Dimmer	0–255
		4500K		
		4600K	Hue	25–25
		4700K		
		4800K		
		4900K		
		5000K		
		5100K		
		5200K		
		5300K		
		5400K		
		5500K		
		5600K		
		5700K		
		6000K		
		6500K		
		7000K		
		7500K		
		8000K		
	Manual Color Mixer	Red	0–255	Combines red, orange, green, royal blue, blue, and lime to make a custom color (0–100%)
		Orange		
		Green		
		Royal Blue		
		Blue		
		Lime		
Red Shift	On			Mimics halogen lamp dimming
	Off			
Master/ Slave	Master			Receives DMX signal from the DMX controller (master)
	Slave			Receives DMX signal from the master unit

Main Level	Programming Levels			Description
Dimmer Curve	Linear			Sets the dimmer curve
	Square			
	I Square			
	SCurve			
Dimmer Mode	Off			Linear dimmer
	Dimmer 1–3			Dimming curves, from fast (**Dimmer 1**) to slow (**Dimmer 3**)
White Balance	Off			Uses factory default white setting
	Manual	Red	125–255	Sets red LED maximum value
		Orange		Sets orange LED maximum value
		Green		Sets green LED maximum value
		Royal Blue		Sets royal blue LED maximum value
		Blue		Sets blue LED maximum value
		Lime		Sets lime LED maximum value
LED Frequency	600Hz			Sets the PWM frequency
	1200Hz			
	2000Hz			
	4000Hz			
	6000Hz			
	25KHz			
Fan Mode	Auto			Sets the fan to auto mode
	On			Sets the fan to always on
	Off			Sets the fan to always off
	Silent			Sets the fan to silent
Back Light	10S			Turns off display backlight after 10 seconds of inactivity
	30S			Turns off display backlight after 30 seconds of inactivity
	2Min			Turns off display backlight after 2 minutes of inactivity
	Always On			Display backlight always on
Information	Fixture Hours	_ _ _ _H		Shows total hours the product has been powered on
	LED Hours	_ _ _ _H		Shows total LED hours
	Version	V_._		Shows current firmware version
	UID	_ _ _ _ _ _ _ _ _ _ _ _		Shows product UID
Reset Factory	No			Resets the product to factory default settings
	Yes			

Standalone Configuration

Use standalone configuration to operate the product without a DMX controller.

Static Mode

The Static mode allows for an unchanging color without a DMX controller.

Color Temperature

To select a color temperature, do the following:
1. Go to the **Static** main level.
2. Select **Color Temperature**.
3. Select the desired color temperature (see Standalone Configuration).
4. Select the desired output level (**0–255**).

Manual Color Mixer

To do color mixing without a DMX controller, follow the instructions below:
1. Go to the **Static** main level.
2. Select **Manual Color Mixer**.
3. Select the color to edit (**Red**, **Orange, Green**, **Royal Blue**, **Blue**, or **Lime Green**).
4. Select the desired output level for that color (**0–255**).
5. Repeat steps 3 and 4 until product outputs as desired.

Red Shift

The Red Shift function causes the amber LEDs to imitate the appearance of a halogen lamp when dimming. To adjust the Red Shift function, do the following:
1. Go to the **Red Shift** main level.
2. Select **On** or **Off**.

Master/Slave

The Master/Slave mode allows a group of Ovation E-930VW products (the slaves) to simultaneously duplicate the output of another Ovation E-930VW (the master) without a DMX controller.
To set each of the slaves:
1. Go to the **Master/Slave** main level
2. Select **Slave**.

To set the master:
1. Go to the **Master/Slave** main level
2. Select **Master**.
3. Select a static setting.

> - **The master is the one that runs a program whether in Auto or Static mode.**
> - **Do not connect a DMX controller to the products configured for Master/Slave operation. The DMX controller may interfere with signals from the master.**
> - **The master should be the first product in the daisy chain.**

Dimmer Curve

To set the dimmer curve, follow the instructions below:
1. Go to the Dimmer Curve main level.
2. Select the desired option (**Linear**, **Square**, **I Squa**, or **SCurve**).

Dimmer Profiles

This setting determines how fast the output of the Ovation E-930VW changes when the output value is modified. It provides four different options to simulate the dimming curve of an incandescent lighting product. To select a specific dimmer profile, do the following:
1. Go to the **Dimmer Mode** main level.
2. Select a dimmer curve (**Off**, **Dimmer 1**, **Dimmer 2**, or **Dimmer 3**).

> **Off:** The output is proportional (linear) to the dimmer channel value.
> **Dimmer 1-3:** The output follows the dimmer value based on the corresponding dimmer curve, **Dimmer 1** being the fastest.

White Balance

This setting determines the maximum output values for each color, which affects the appearance of a full output white.
1. Go to the **White Balance** main level.
2. Select **Off** (the product will use a default setting) or **Manual**.
3. For **Manual** mode, select the color value to edit (**Red**, **Orange**, **Green**, **Royal Blue**, **Blue**, or **Lime Green**).
4. Set the maximum value for the selected color (**125–255**).
5. Repeat steps 3 and 4 until the product outputs as desired.

LED Frequency

This option changes the Pulse Width Modulation (PWM) frequency of the LEDs on the Ovation E-930VW. To do so, follow the instructions below:
1. Go to the **LED Frequency** main level.
2. Select PWM Frequency (**600Hz**, **1200Hz**, **2000Hz**, **4000Hz**, **6000Hz**, or **25Khz**).

Fan Mode

This setting determines how the fan speed on the Ovation E-930VW is set.
1. Go to the **Fan Mode** main level
2. Select **Auto** (fan speed will increase or decrease based on product temperature), **Off** (fan will stay off. Product output will decrease based on product temperature), **Silent** (fan will maintain a constant silent speed), or **On** (fan speed will always be at maximum).

> **NOTICE: When operating in Fan Mode: Off, the output of the fixture will be reduced and will not reach the same levels as when using other fan modes.**

> **WARNING: When operating in Fan Mode: Off, the fixture will become hotter to the touch than when using other fan modes. Use proper protective equipment to prevent burns. Keep a safe distance from flammable objects.**

Back Light

This setting allows for selection of the amount of time the backlight on the Ovation E-930VW's display stays on after the last button is pressed on the control panel.
1. Go to the **Back Light** main level.
2. Select **10S** (10 seconds), **30S** (30 seconds), **2Min** (2 minutes), or **Always On** (remains on).

System Information

This option displays the total number of hours the product has run, the installed software version, and the product's UID.
1. Go to the **Information** main level.
2. Select **Fixture Hours**, **LED Hours, Version**, or **UID**.

Factory Reset

This option restores the Ovation E-930VW to factory default settings.
1. Go to the **Reset Factory** main level.
2. Select **No** or **Yes**.

Preset Color Temperature Chart

DMX Channel Value	Color Temperature	DMX Channel Value	Color Temperature
000 ⇔ 005	**2800K/No function**	125 ⇔ 132	**4500K–4600K**
006 ⇔ 013	**2800K–2900K**	132 ⇔ 139	**4600K–4700K**
013 ⇔ 020	**2900K–3000K**	139 ⇔ 146	**4700K–4800K**
020 ⇔ 027	**3000K–3100K**	146 ⇔ 153	**4800K–4900K**
027 ⇔ 034	**3100K–3200K**	153 ⇔ 160	**4900K–5000K**
034 ⇔ 041	**3200K–3300K**	160 ⇔ 167	**5000K–5100K**
041 ⇔ 048	**3300K–3400K**	167 ⇔ 174	**5100K–5200K**
048 ⇔ 055	**3400K–3500K**	174 ⇔ 181	**5200K–5300K**
055 ⇔ 062	**3500K–3600K**	181 ⇔ 188	**5300K–5400K**
062 ⇔ 069	**3600K–3700K**	188 ⇔ 195	**5400K–5500K**
069 ⇔ 076	**3700K–3800K**	195 ⇔ 202	**5500K–5600K**
076 ⇔ 083	**3800K–3900K**	202 ⇔ 209	**5600K–5700K**
083 ⇔ 090	**3900K–4000K**	209 ⇔ 216	**5700K–6000K**
090 ⇔ 097	**4000K–4100K**	216 ⇔ 223	**6000K–6500K**
097 ⇔ 104	**4100K–4200K**	223 ⇔ 230	**6500K–7000K**
104 ⇔ 111	**4200K–4300K**	230 ⇔ 237	**7000K–7500K**
111 ⇔ 118	**4300K–4400K**	237 ⇔ 244	**7500K–8000K**
118 ⇔ 125	**4400K–4500K**	244 ⇔ 255	**8000K**

Note: The color temperatures above are simulated renditions of the color output produced as compared to a tungsten lamp at the specified color temperature. Chauvet makes no guarantee of the color output accuracy.

DMX Values

18Ch / 15Ch / 11Ch

11Ch	15Ch	18Ch	Function	Value	Percent/Setting
1	1	1	**Dimmer**	000 ⇔ 255	0–100%
–	2	2	**Fine Dimmer**	000 ⇔ 255	0–100%
2	3	3	**Red**	000 ⇔ 255	0–100%
–	4	4	**Fine Red**	000 ⇔ 255	0–100%
3	5	5	**Orange**	000 ⇔ 255	0–100%
–	6	6	**Fine Orange**	000 ⇔ 255	0–100%
4	7	7	**Green**	000 ⇔ 255	0–100%
–	8	8	**Fine Green**	000 ⇔ 255	0–100%
5	9	9	**Royal blue**	000 ⇔ 255	0–100%
–	10	10	**Fine Royal blue**	000 ⇔ 255	0–100%
6	11	11	**Blue**	000 ⇔ 255	0–100%
–	12	12	**Fine Blue**	000 ⇔ 255	0–100%
7	13	13	**Lime**	000 ⇔ 255	0–100%
–	14	14	**Fine Lime**	000 ⇔ 255	0–100%
8	–	15	**Strobe**	000 ⇔ 010	No function
				011 ⇔ 255	Strobe, slow to fast
9	–	16	**Color temperature**	000 ⇔ 255	Refer to Preset Color Temperature Chart
10	–	17	**Hue**	000 ⇔ 000	No function
				001 ⇔ 255	Adjusts +/- green
11	–	18	**Control** (hold for 3 seconds, then release)	000 ⇔ 007	No function
				008 ⇔ 015	Dimmer reset
				016 ⇔ 023	Red Shift On
				024 ⇔ 031	Red Shift Off
				032 ⇔ 039	Dimmer: S-Curve
				040 ⇔ 047	Dimmer: Linear
				048 ⇔ 055	Dimmer: Square
				156 ⇔ 063	Dimmer: Inverse Square
				064 ⇔ 071	Dimmer Mode Off
				072 ⇔ 079	Dimmer Mode 1
				080 ⇔ 087	Dimmer Mode 2
				088 ⇔ 095	Dimmer Mode 3
				096 ⇔ 103	Fan Auto
				104 ⇔ 111	Fan On
				112 ⇔ 119	Fan Off
				120 ⇔ 127	Fan Silent
				128 ⇔ 255	No Function

8Ch / 6Ch / 5Ch / 3Ch

3Ch	5Ch	6Ch	8Ch	Function	Value	Percent/Setting
1	**1**	**–**	**1**	**Dimmer**	000 ⇔ 255	0–100%
–	**2**	**–**	**–**	**Fine Dimmer**	000 ⇔ 255	0–100%
–	**–**	**1**	**2**	**Red**	000 ⇔ 255	0–100%
–	**–**	**2**	**3**	**Orange**	000 ⇔ 255	0–100%
–	**–**	**3**	**4**	**Green**	000 ⇔ 255	0–100%
–	**–**	**4**	**5**	**Royal blue**	000 ⇔ 255	0–100%
–	**–**	**5**	**6**	**Blue**	000 ⇔ 255	0–100%
–	**–**	**6**	**7**	**Lime**	000 ⇔ 255	0–100%
–	**5**	**–**	**8**	**Strobe**	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
2	**3**	**–**	**–**	**Color Temperature**	000 ⇔ 255	Refer to [Preset Color Temperature Chart](#)
3	**4**			**Hue**	000 ⇔ 000	No function

5. Maintenance

Product Maintenance

Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean each lighting product at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.
4. Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
5. Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
6. Softly drag any dirt or grime to the outside of the transparent surface.
7. Gently polish the transparent surfaces until they are free of haze and lint.

ⓘ **Always dry the transparent surfaces carefully after cleaning them.**

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
25 in (636 mm)	13.5 in (344 mm)	23 in (590 mm)	16.6 lb (7.5 kg)

Note: Dimensions in inches rounded to the nearest hundredth.

Power

Power Supply Type	Range	Voltage Selection
Switching (internal)	100 to 240 VAC, 50/60 Hz	Auto-ranging

Parameter	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz
Consumption	239 W	243 W	245 W
Operating Current	2 A	1.2 A	1 A
Power-linking current (products)	9 A (5 products)	7 A (9 products)	7.4 A (10 products)

Power I/O	U.S./Canada	Worldwide
Power input connector	Neutrik® powerCON®	Neutrik® powerCON®
Power output connector	Neutrik® powerCON®	Neutrik® powerCON®
Power cord plug	Edison (U.S.)	Local plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Red Orange Green Royal blue Blue Lime green	6 15 9 10 12 39	3 W	960 mA	50,000 hours

Photometrics

Parameter	14°	19°	26°	36°	50°	15°~30°	25°~50°
Beam Angle	12°	17°	22°	27°	38°	10°/22°	14°/29°
Field Angle	14°	18°	25°	33°	50°	14°/29°	22°/39°
Illuminance @ 5 m	7,560 lux	3,765 lux	2,210 lux	1,296 lux	537 lux	6,690/1,815 lux	2,464/975 lux

Thermal

Maximum External Temperature	Cooling System
113 °F (45 °C)	Convection

DMX

I/O Connector	Channel Range
3- and 5-pin XLR	3, 5, 6, 8, 11, 15, and 18 channels

Ordering

Product Name	Item Code	UPC Number
Ovation E-930VW	03121411	781462217594

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Warranty & Returns

For warranty terms and conditions and return information, please visit our website.

For customers in the United States and Mexico: www.chauvetlighting.com/warranty-registration.

For customers in the United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, and Germany: www.chauvetlighting.eu/warranty-registration.