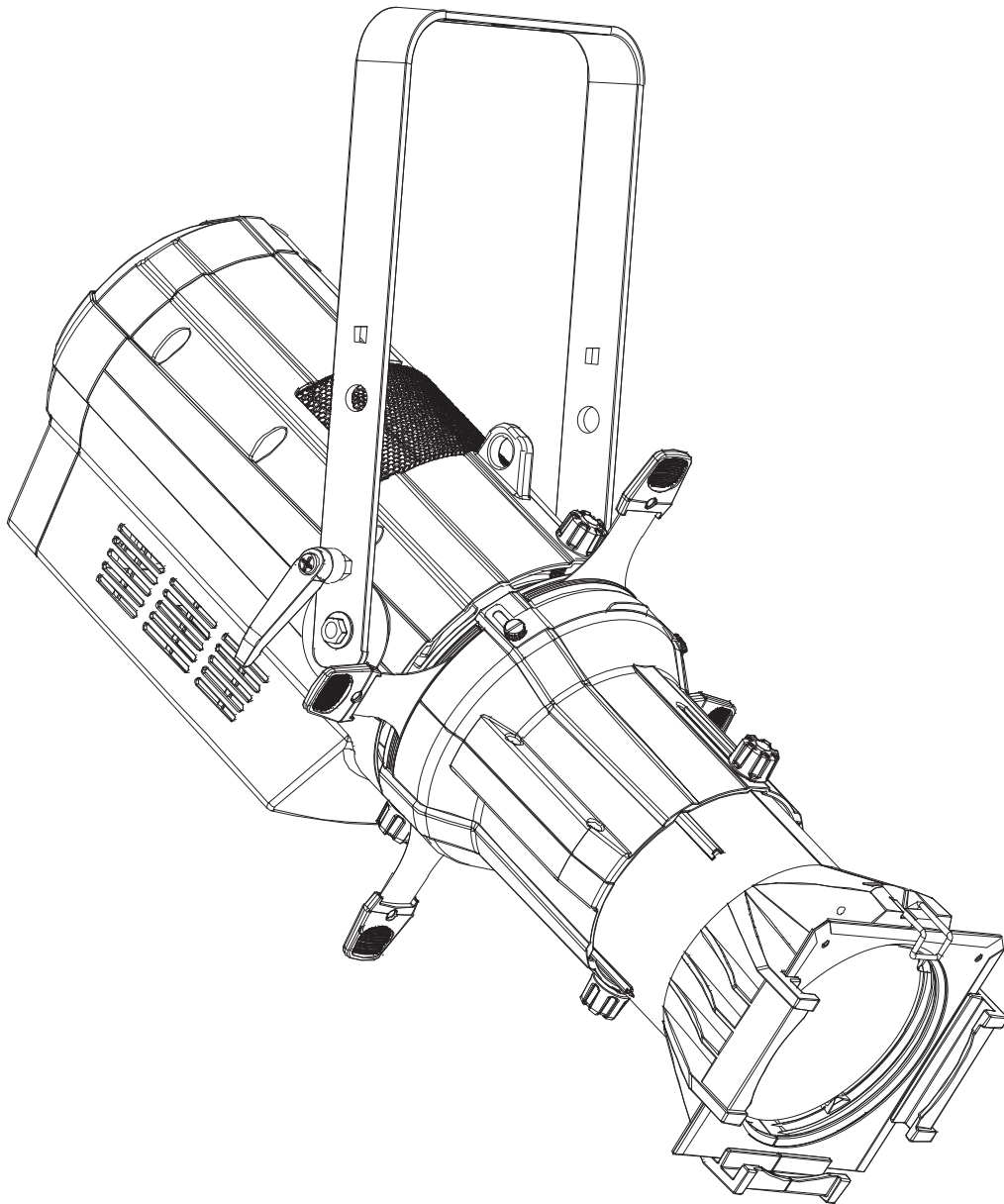


Ovation

E-930VW

User Manual




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.

Disclaimer

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Document Revision

This Ovation E-930VW User Manual is the 4th edition of this document. Go to www.chauvetprofessional.com for the latest version.

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1. Before You Begin

What Is Included

- Ovation E-930VW
- Neutrik® powerCON® power cord
- 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
	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
	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.

FCC 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.

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

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.

Personal Safety

- Avoid direct eye exposure to the light source while the product is on.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Do not touch the product's housing when operating because it may be very hot.

Mounting and Rigging

- Do not operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it (IP20).
- Do not leave any flammable material within 50 cm of this product while operating or connected to power.
- CAUTION: When transferring 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 product to fully acclimate to the surrounding environment before connecting it to power.
- Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- When hanging this product, always secure to a fastening device using a safety cable.
- Use only the hanging/mounting bracket to carry this product.

Power and Wiring

- Always ensure that the product is connected to proper voltage in accordance with the specifications in this manual or on the product's specification label.
- Never connect the product to a dimmer pack or rheostat.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- Do not operate this product if there is damage on the housing, lenses, or cables. Have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when operating to avoid internal overheating.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate the product at higher temperatures.
- The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
- The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
- In the event of a serious operation problem, stop using this product immediately!



If your Chauvet product requires service, contact Chauvet Technical Support.

Expected LED Lifespan

LEDs gradually decline in brightness over time, primarily because of heat. LEDs that are arranged in clusters experience higher operating temperatures than single LEDs. For this reason, operating clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan is 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operating temperature by improving the ventilation around the product, thus reducing the ambient temperature. In addition, limiting the overall projection intensity may extend the LEDs' lifespan.

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

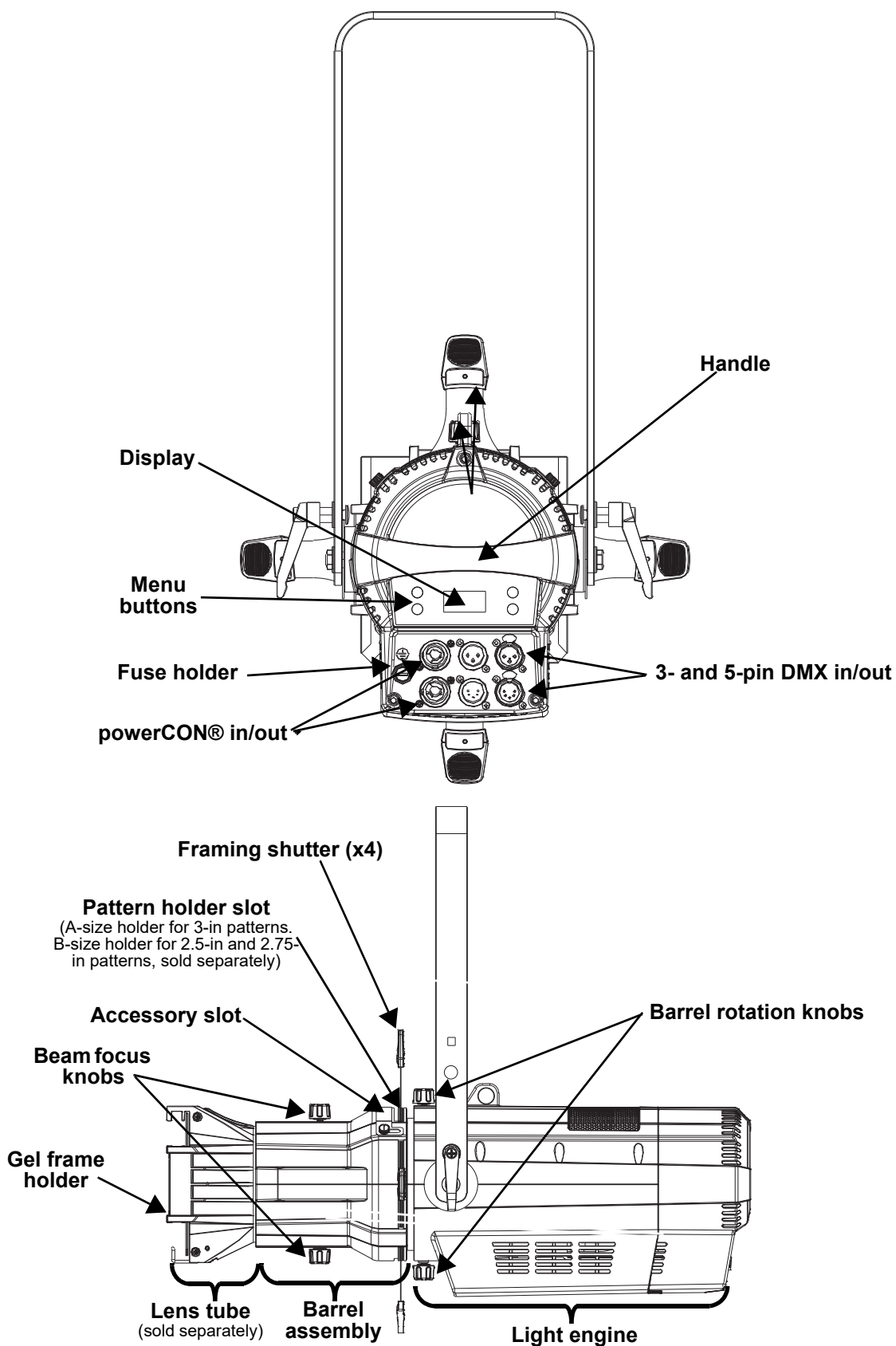
- Operating modes:
 - 4-channel: dimmer, color temperature, hue
 - 6-channel: dimmer, 16-bit dimmer, color temperature, hue, strobe
 - 6-channel: red, orange, green, royal blue, blue, lime
 - 9-channel: dimmer, red, orange, green, royal blue, blue, lime, strobe
 - 12-channel: dimmer, red, orange, green, royal blue, blue, lime, strobe, color temperature, hue, dimmer speed
 - 16-channel: dimmer, 16-bit dimmer, red, red fine, orange, orange fine, green, green fine, royal blue, royal blue fine, blue, blue fine, lime, lime fine, strobe
 - 18-channel: dimmer, 16-bit dimmer, red, red fine, orange, orange fine, green, green fine, royal blue, royal blue fine, blue, blue fine, lime, lime fine, 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

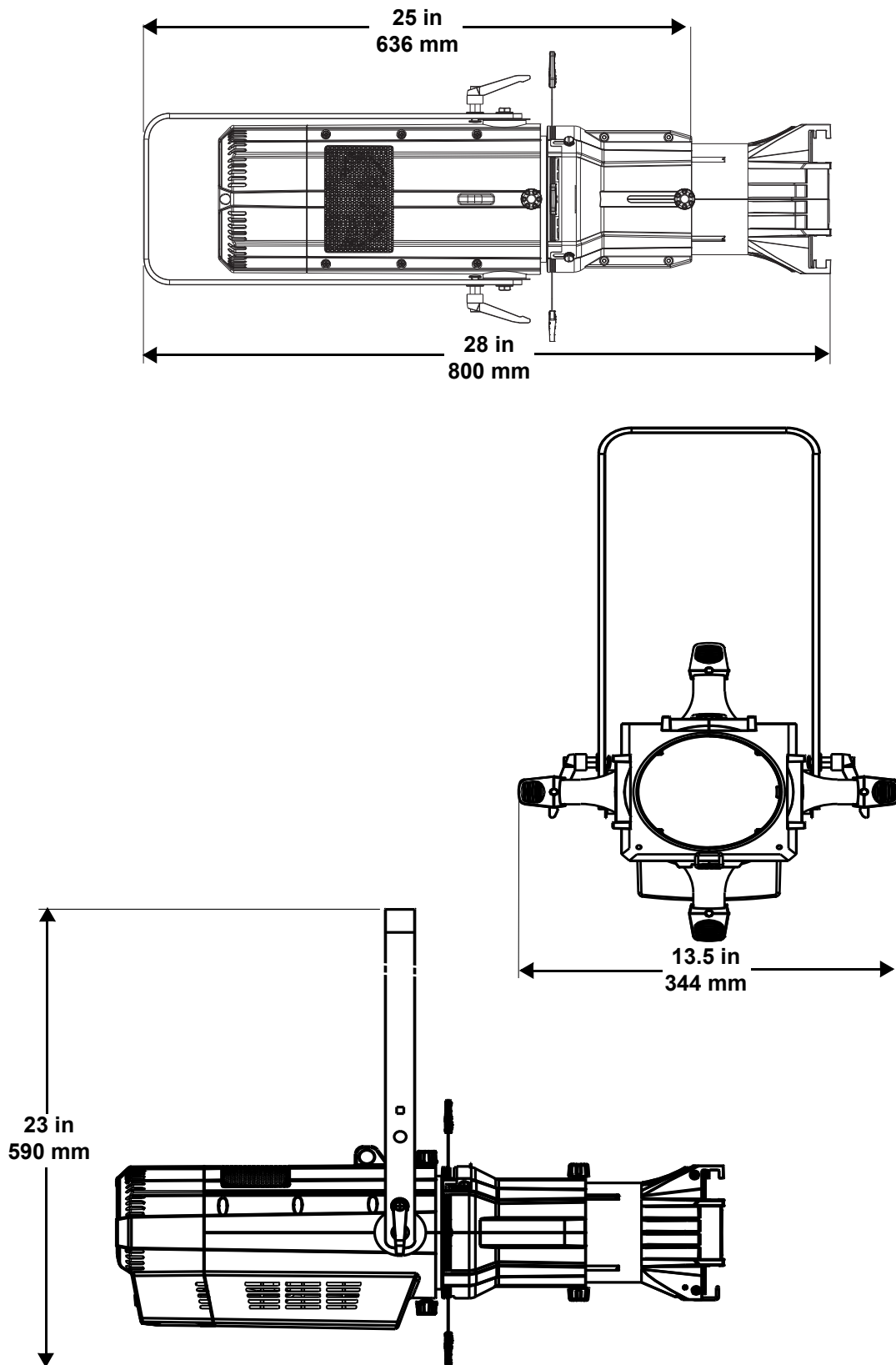
The following lens tubes are available for purchase:

- 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



Product Dimensions



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

The product supports power linking. It is possible to power link up to 5 products at 120 V, up to 9 products at 208 V, or up to 10 products at 230 V. This product comes with a power input cord. Power-linking cables are available for purchase from Chauvet.

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 **4Ch, 6Ch, 6Ch2, 9Ch, 12Ch, 16Ch, 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 [Configuration \(Standalone\)](#) 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 (RDM)

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

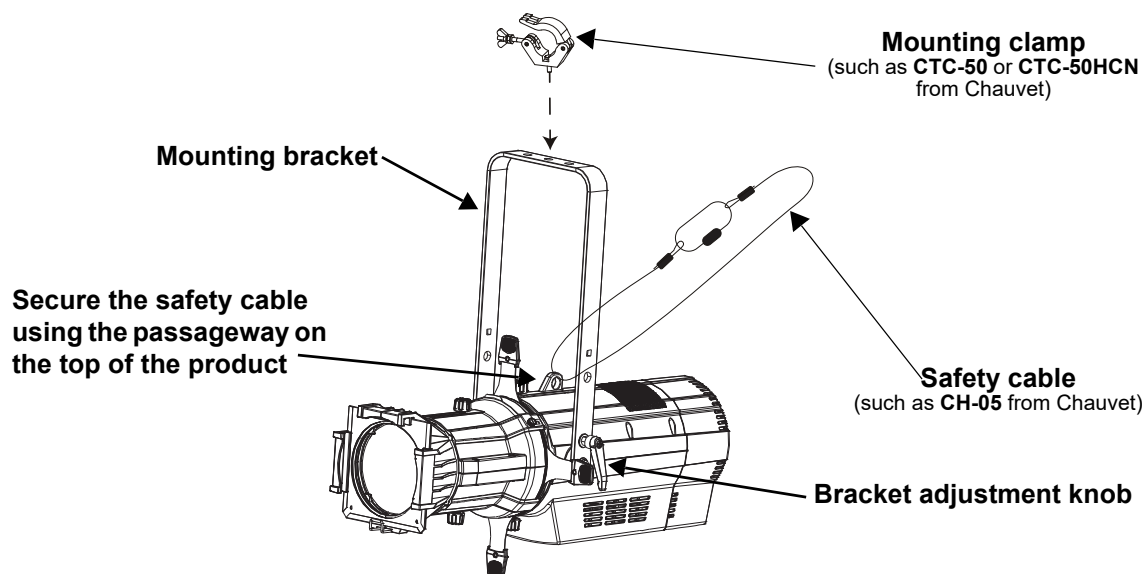
Chauvet recommends using the following general guidelines when mounting this product:

- 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 onto which the product will be mounted can support the product's weight. See the [Technical Specifications](#) for weight information.
- 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.

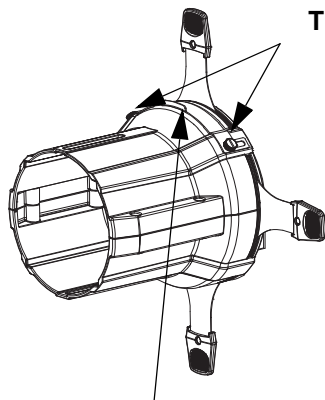


Ensure that the barrel assembly is oriented with the pattern holder and accessory slots at the top of the product.

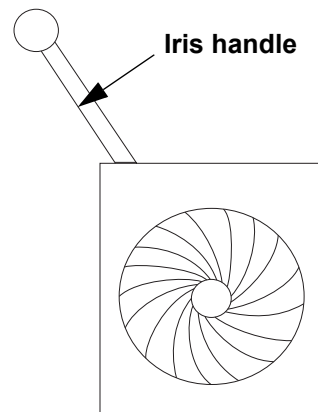
Accessory Slot

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.



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.

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.

Configuration (DMX)

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

DMX Personalities

This setting allows the user to choose a particular DMX personality.

- Go to the **DMX Channel** main level.
- Select the desired personality (**4Ch**, **6Ch**, **6Ch2**, **9Ch**, **12Ch**, **16Ch**, 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.

- Go to the **DMX Address** main level.
- 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
4Ch	509	12Ch	501
6Ch	507	16Ch	497
9Ch	504	18Ch	495

Menu Map

Main Level	Programming Levels	Description
DMX Address	001–512*	Selects DMX address (highest channel restricted to personality chosen)
DMX Channel	4Ch	4-channel: dimmer, color temperature, hue, red shift
	6Ch	6-channel: dimmer, dimmer fine, color temperature, hue, strobe, red shift
	6Ch2	6-channel: red, orange, green, royal blue, blue, lime,
	9Ch	9-channel: dimmer, red, orange, green, royal blue, blue, lime strobe, red shift
	12Ch	12-channel: dimmer, red, orange, green, royal blue, blue, lime strobe, color temperature, hue, dimmer speed, red shift
	16Ch	16-channel: dimmer, dimmer fine, red, red fine, orange, orange fine, green, green fine, royal blue, royal blue fine, blue, blue fine, lime, lime fine, strobe, red shift
	18Ch	18-channel: dimmer, dimmer fine, red, red fine, orange, orange fine, green, green fine, royal blue, royal blue fine, blue, blue fine, lime, lime fine, strobe, color temperature, hue, red shift

Main Level	Programming Levels				Description
Static	Color Temperature	2800K	Dimmer	0–255	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	Hue	-25–25	
		4400K			
		4500K			
		4600K			
		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
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)

Main Level	Programming Levels			Description
White Balance	Manual	Off	125–255	Uses factory default white setting
		Red		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
	Version		V_._	Shows current firmware version
	UID		-----	Shows product UID
Reset Factory	No			Resets the product to factory default settings
	Yes			

Configuration (Standalone)

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 [Configuration \(Standalone\)](#)).
4. Select the desired output level (**0–255**).

Manual Color Mixer

The 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**, **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	Display Readout	DMX Channel Value	Display Readout
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

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Red fine	000 ⇔ 255	0–100%
5	Orange	000 ⇔ 255	0–100%
6	Orange fine	000 ⇔ 255	0–100%
7	Green	000 ⇔ 255	0–100%
8	Green fine	000 ⇔ 255	0–100%
9	Royal blue	000 ⇔ 255	0–100%
10	Royal blue fine	000 ⇔ 255	0–100%
11	Blue	000 ⇔ 255	0–100%
12	Blue fine	000 ⇔ 255	0–100%
13	Lime	000 ⇔ 255	0–100%
14	Lime fine	000 ⇔ 255	0–100%
15	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
16	Color temperature	000 ⇔ 255	Refer to Preset Color Temperature Chart
17	Hue	000 ⇔ 000 001 ⇔ 255	No function Adjusts +/- green
18	Red shift	000 ⇔ 010 011 ⇔ 127 128 ⇔ 255	No function On Off

16Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Red	000 ⇔ 255	0–100%
4	Red fine	000 ⇔ 255	0–100%
5	Orange	000 ⇔ 255	0–100%
6	Orange fine	000 ⇔ 255	0–100%
7	Green	000 ⇔ 255	0–100%
8	Green fine	000 ⇔ 255	0–100%
9	Royal blue	000 ⇔ 255	0–100%
10	Royal blue fine	000 ⇔ 255	0–100%
11	Blue	000 ⇔ 255	0–100%
12	Blue fine	000 ⇔ 255	0–100%
13	Lime	000 ⇔ 255	0–100%
14	Lime fine	000 ⇔ 255	0–100%
15	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
16	Red shift	000 ⇔ 010 011 ⇔ 127 128 ⇔ 255	No function On Off

12Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Red	000 ⇔ 255	0–100%
3	Orange	000 ⇔ 255	0–100%
4	Green	000 ⇔ 255	0–100%
5	Royal blue	000 ⇔ 255	0–100%
6	Blue	000 ⇔ 255	0–100%
7	Lime	000 ⇔ 255	0–100%
8	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	Color temperature	000 ⇔ 255	Refer to Preset Color Temperature Chart
10	Hue	000 ⇔ 000 001 ⇔ 255	No function Adjusts +/- green
11	Dimmer speed (Hold for 3 seconds: Overrides and changes menu selection.)	000 ⇔ 051 052 ⇔ 101 102 ⇔ 152 153 ⇔ 203 204 ⇔ 255	No function Dimmer speed mode off Dimmer speed mode 1 Dimmer speed mode 2 Dimmer speed mode 3
12	Red shift	000 ⇔ 010 011 ⇔ 127 128 ⇔ 255	No function On Off

9Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Red	000 ⇔ 255	0–100%
3	Orange	000 ⇔ 255	0–100%
4	Green	000 ⇔ 255	0–100%
5	Royal blue	000 ⇔ 255	0–100%
6	Blue	000 ⇔ 255	0–100%
7	Lime	000 ⇔ 255	0–100%
8	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	Red shift	000 ⇔ 010 011 ⇔ 127 128 ⇔ 255	No function On Off

6Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Dimmer fine	000 ⇔ 255	0–100%
3	Color temperature	000 ⇔ 255	Refer to Preset Color Temperature Chart
4	Hue	000 ⇔ 000 001 ⇔ 255	No function Adjusts +/- green
5	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
6	Red shift	000 ⇔ 010 011 ⇔ 127 128 ⇔ 255	No function On Off

6Ch2

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	0–100%
2	Orange	000 ⇔ 255	0–100%
3	Green	000 ⇔ 255	0–100%
4	Royal blue	000 ⇔ 255	0–100%
5	Blue	000 ⇔ 255	0–100%
6	Lime	000 ⇔ 255	0–100%

4Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Color temperature	000 ⇔ 255	Refer to Preset Color Temperature Chart
3	Hue	000 ⇔ 000 001 ⇔ 255	No function Adjusts +/- green
4	Red shift	000 ⇔ 010 011 ⇔ 127 128 ⇔ 255	No function On Off

5. Technical Information

Product Maintenance

To maintain optimum performance and minimize wear, clean this product frequently. Usage and environment are contributing factors in determining the cleaning frequency.

Clean this product at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

To clean the product:

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 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	6	3 W	960 mA	50,000 hours
	Orange	15			
	Green	9			
	Royal blue	10			
	Blue	12			
	Lime green	39			

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

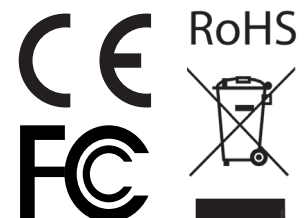
I/O Connector	Channel Range
3- and 5-pin XLR	4, 6, 6, 9, 12, 16, and 18 channels

Ordering

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



UL 1573
CSA C22.2 No. 166
E113093



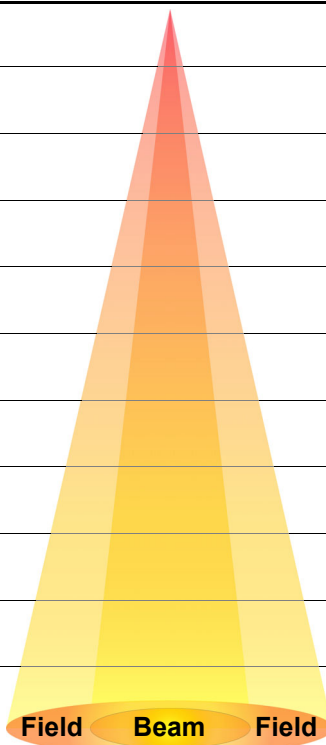
Photometrics Charts

Narrow (14° lens)				Light Source (Imperial)	Wide (19° lens)		
Distance	12° Beam Diameter	14° Field Diameter	Footcandle		Footcandle	17° Beam Diameter	18° Field Diameter
15 ft	3.15 ft	3.68 ft	840		418	4.48 ft	4.75 ft
20 ft	4.20 ft	4.91 ft	473		235	5.98 ft	6.34 ft
30 ft	6.31 ft	7.37 ft	210		105	8.97 ft	9.50 ft
40 ft	8.41 ft	9.82 ft	118		59	11.96 ft	12.67 ft
50 ft	10.51 ft	12.28 ft	76		38	14.95 ft	15.84 ft
75 ft	15.77 ft	18.42 ft	53		17	22.42 ft	23.76 ft
100 ft	21.02 ft	24.56 ft	19		9	29.89 ft	31.68 ft
125 ft	26.28 ft	30.70 ft	12		6	37.36 ft	39.60 ft
150 ft	31.53 ft	36.84 ft	8		4	44.84 ft	47.52 ft

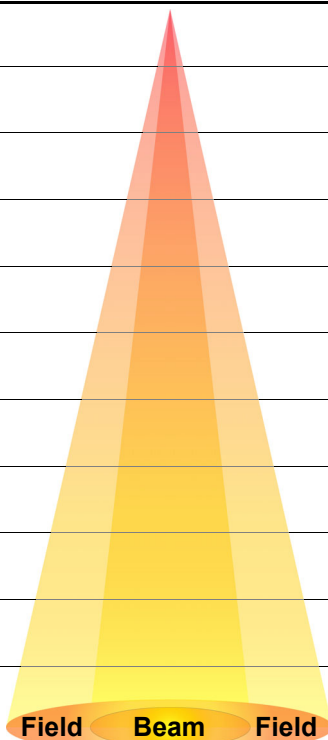
Field

Beam

Field

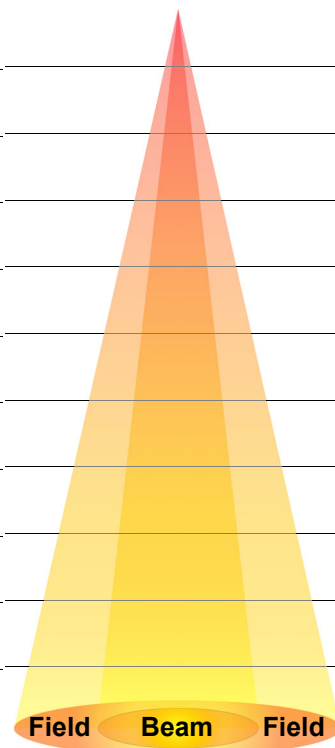
Narrow (14° lens)			Light Source (Metric)		Wide (19° lens)		
Distance	12° Beam Diameter	14° Field Diameter	Lux		Lux	17° Beam Diameter	18° Field Diameter
1 m	0.21 m	0.25 m	189,000		94,125	0.30 m	0.32 m
2 m	0.42 m	0.49 m	47,250		23,531	0.60 m	0.63 m
5 m	1.05 m	1.23 m	7,560		3,765	1.49 m	1.58 m
8 m	1.68 m	1.96 m	2,953		1,471	2.39 m	2.39 m
10 m	2.10 m	2.46 m	1,890		941	2.99 m	2.99 m
15 m	3.15 m	3.68 m	840		418	4.48 m	4.75 m
20 m	4.20 m	4.91 m	473		235	5.98 m	6.34 m
25 m	5.26 m	6.14 m	302		151	7.47 m	7.92 m
30 m	6.31 m	7.37 m	210		105	8.97 m	9.50 m

Narrow (26° lens)				Light Source (Imperial)	Wide (36° lens)		
Distance	22° Beam Diameter	25° Field Diameter	Footcandle		Footcandle	27° Beam Diameter	33° Field Diameter
15 ft	5.38 ft	6.65 ft	246		144	7.20 ft	8.89 ft
20 ft	7.78 ft	8.87 ft	138		81	9.60 ft	11.85 ft
30 ft	11.66 ft	13.30 ft	61		36	14.40 ft	17.77 ft
40 ft	15.55 ft	17.74 ft	35		20	19.21 ft	23.70 ft
50 ft	19.44 ft	22.17 ft	22		13	24.01 ft	29.62 ft
75 ft	29.16 ft	33.25 ft	10		6	36.01 ft	44.43 ft
100 ft	38.88 ft	44.34 ft	6		3	48.02 ft	59.24 ft
125 ft	48.60 ft	55.42 ft	4		2	60.02 ft	74.05 ft
150 ft	58.31 ft	66.51 ft	2		1	72.02 ft	88.86 ft

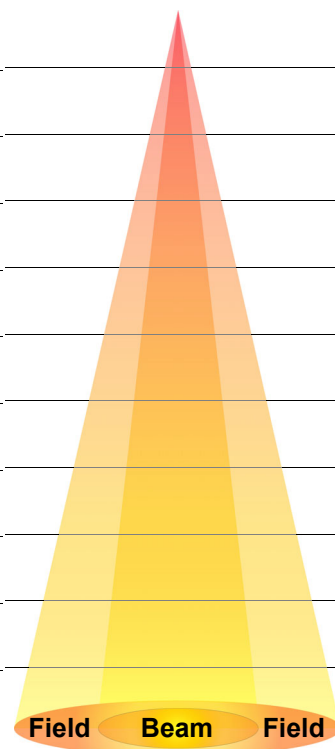
Narrow (26° lens)			Light Source (Metric)		Wide (36° lens)		
Distance	22° Beam Diameter	25° Field Diameter	Lux		Lux	27° Beam Diameter	33° Field Diameter
1 m	0.39 m	0.44 m	55,250		32,400	0.48 m	0.59 m
2 m	0.78 m	0.89 m	13,813		8,100	0.96 m	1.18 m
5 m	1.94 m	2.22 m	2,210		1,296	2.40 m	2.96 m
8 m	3.11 m	3.55 m	863		506	3.84 m	4.74 m
10 m	3.89 m	4.43 m	553		324	4.80 m	5.92 m
15 m	5.83 m	6.65 m	246		144	7.20 m	8.89 m
20 m	7.78 m	8.87 m	138		81	9.60 m	11.85 m
25 m	9.72 m	11.08 m	88		52	12.00 m	14.81 m
30 m	11.66 m	13.30 m	61		36	14.40 m	17.77 m

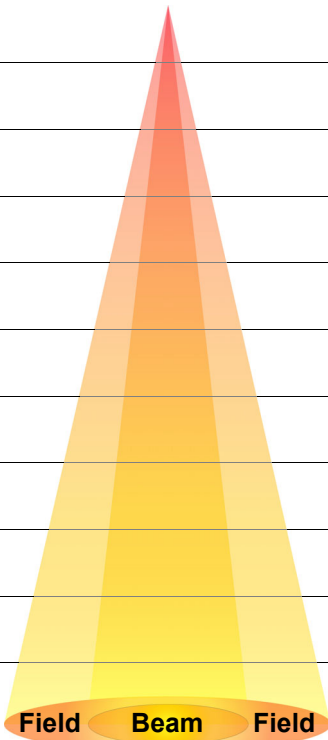
50° Lens Light Source (Imperial)

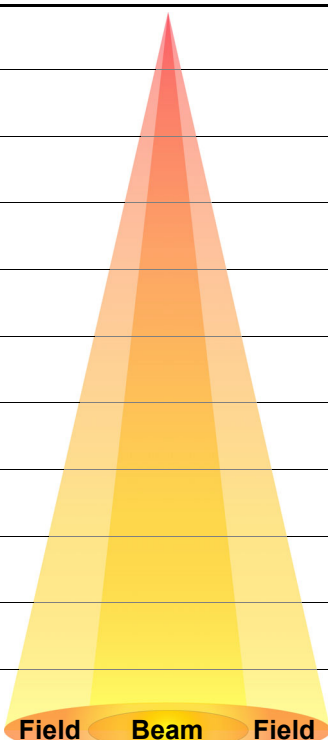
Distance	38° Beam Diameter	50° Field Diameter	Footcandle
15 ft	10.33 ft	13.99 ft	60
20 ft	13.77 ft	18.65 ft	34
30 ft	20.66 ft	27.98 ft	15
40 ft	27.55 ft	37.30 ft	8
50 ft	34.43 ft	46.63 ft	5
75 ft	51.65 ft	69.95 ft	2
100 ft	68.87 ft	93.26 ft	1
125 ft	86.08 ft	116.58 ft	1
150 ft	103.30 ft	139.89 ft	1

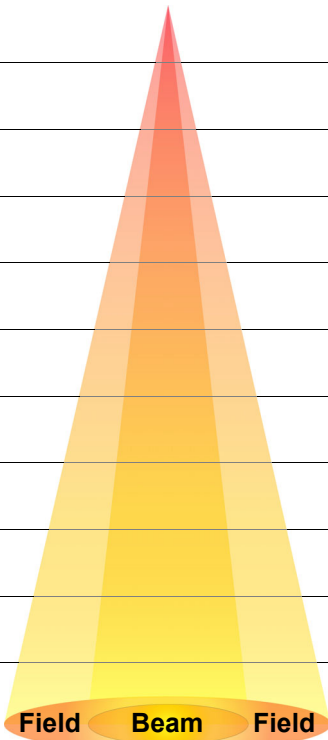

50° Lens Light Source (Metric)

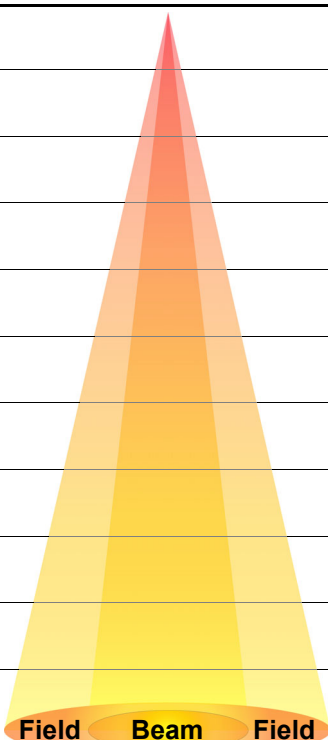
Distance	38° Beam Diameter	50° Field Diameter	Footcandle
15 ft	0.69 m	0.93 m	13,425
20 ft	1.38 m	1.87 m	3,356
30 ft	3.44 m	4.66 m	537
40 ft	5.51 m	7.46 m	210
50 ft	6.89 m	9.33 m	134
75 ft	10.33 m	13.99 m	60
100 ft	13.77 m	18.65 m	34
125 ft	17.22 m	23.32 m	21
150 ft	20.66 m	27.98 m	15



(15°–30° lens)				Zoomable Light Source (Imperial)		(15°–30° lens)	
Distance	10° Beam Diameter	14° Field Diameter	Footcandle		Footcandle	22° Beam Diameter	29° Field Diameter
15 ft	2.62 ft	3.68 ft	777		202	5.83 ft	7.76 ft
20 ft	3.50 ft	4.91 ft	992		113	7.78 ft	10.34 ft
30 ft	5.25 ft	7.37 ft	441		50	11.66 ft	15.52 ft
40 ft	7.00 ft	11.05 ft	248		28	15.55 ft	20.69 ft
50 ft	8.75 ft	12.28 ft	159		18	19.44 ft	25.86 ft
75 ft	13.12 ft	18.42 ft	71		8	29.16 ft	38.79 ft
100 ft	17.50 ft	24.56 ft	40		5	38.88 ft	51.72 ft
125 ft	21.87 ft	30.70 ft	25		3	48.60 ft	64.65 ft
150 ft	23.62 ft	36.84 ft	18		2	58.31 ft	77.59 ft
				Field	Beam	Field	

(15°–30° lens)				Zoomable Light Source (Metric)		(15°–30° lens)	
Distance	10° Beam Diameter	14° Field Diameter	Lux		Lux	22° Beam Diameter	29° Field Diameter
1 m	0.17 m	0.25 m	174,750		45,375	0.39 m	0.52 m
2 m	0.35 m	0.49 m	43,688		11,344	0.78 m	1.03 m
5 m	0.87 m	1.23 m	6,990		1,815	1.94 m	2.59 m
8 m	1.40 m	1.96 m	2,730		709	3.11 m	4.14 m
10 m	1.75 m	2.46 m	1,748		454	3.89 m	5.17 m
15 m	2.62 m	3.68 m	777		202	5.83 m	7.76 m
20 m	3.50 m	4.91 m	437		117	7.78 m	10.34 m
25 m	4.37 m	6.14 m	280		73	9.72 m	12.93 m
30 m	5.25 m	7.37 m	194		50	11.66 m	15.52 m
				Field	Beam	Field	

(25°–50° lens)				Zoomable Light Source (Imperial)		(25°–50° lens)	
Distance	20° Beam Diameter	22° Field Diameter	Footcandle		Footcandle	36° Beam Diameter	39° Field Diameter
15 ft	5.29 ft	5.83 ft	274		108	9.75 ft	10.62 ft
20 ft	7.05 ft	7.78 ft	154		61	13.00 ft	14.16 ft
30 ft	10.58 ft	11.66 ft	68		27	19.50 ft	21.25 ft
40 ft	14.11 ft	15.55 ft	39		15	25.99 f	28.33 ft
50 ft	17.63 ft	19.44 ft	25		10	32.49 ft	35.41 ft
75 ft	26.45 ft	29.16 ft	11		4	48.74 ft	53.12 ft
100 ft	35.27 ft	38.88 ft	6		2	64.98 ft	70.82 ft
125 ft	44.08 ft	48.60 ft	4		2	81.23 ft	88.53 ft
150 ft	52.90 ft	58.31 ft	3		1	97.48 ft	106.24 ft
				Field	Beam	Field	

(25°–50° lens)				Zoomable Light Source (Metric)		(25°–50° lens)	
Distance	20° Beam Diameter	22° Field Diameter	Lux		Lux	36° Beam Diameter	39° Field Diameter
1 m	0.35 m	0.39 m	61,600		24,375	0.65 m	0.71 m
2 m	0.71 m	0.78 m	15,400		6,094	1.30 m	1.42 m
5 m	1.76 m	1.94 m	2,464		975	3.25 m	3.54 m
8 m	2.82 m	3.11 m	963		381	5.20 m	5.67 m
10 m	3.53 m	3.89 m	616		244	6.50 m	7.08 m
15 m	5.29 m	5.83 m	274		108	9.75 m	10.62 m
20 m	7.05 m	7.78 m	154		61	13.00 m	14.16 m
25 m	8.82 m	9.72 m	99		39	16.25 m	17.71 m
30 m	10.58 m	11.66 m	68		27	19.50 m	21.25 m
				Field	Beam	Field	

Returns

To get support or to return a product, contact:

- If you are located in the U.S., contact Chauvet World Headquarters.
- If you are located in the U.K. or Ireland, contact Chauvet Europe Ltd.
- If you are located in Benelux, contact Chauvet Europe BVBA.
- If you are located in France, contact Chauvet France.
- If you are located in Germany, contact Chauvet Germany.
- If you are located in Mexico, contact Chauvet Mexico.
- If you are located in any other country, DO NOT contact Chauvet. Instead, contact your local distributor. See www.chauvetprofessional.com for distributors outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico.



If you are located outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact your distributor of record and follow their instructions on how to return Chauvet products to them. Visit our website www.chauvetprofessional.com for contact details.

Call the corresponding Chauvet Technical Support office and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

To submit a service request online, go to www.chauvetprofessional.com/service-request.

Send the merchandise prepaid, in its original box, and with its original packing and accessories. Chauvet will not issue call tags.

Clearly label the package with the RMA number. Chauvet will refuse any product returned without an RMA number.



Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.



Chauvet reserves the right to use its own discretion to repair or replace returned product(s).

Contact Us

General Information	Technical Support
Chauvet World Headquarters	
Address: 5200 NW 108th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084	Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com
Chauvet Europe Ltd	
Address: Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet Europe BVBA	
Address: Stokstraat 18 9770 Kruishoutem Belgium Voice: +32 9 388 93 97	Email: BNLtech@chauvetlighting.eu Website: www.chauvetprofessional.eu
Chauvet France	
Address: 3, Rue Ampère 91380 Chilly-Mazarin France Voice: +33 1 78 85 33 59	Email: FRtech@chauvetlighting.fr Website: www.chauvetprofessional.eu
Chauvet Germany	
Address: Bruno-Bürgel-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: DEtech@chauvetlighting.de Website: www.chauvetprofessional.eu
Chauvet Mexico	
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