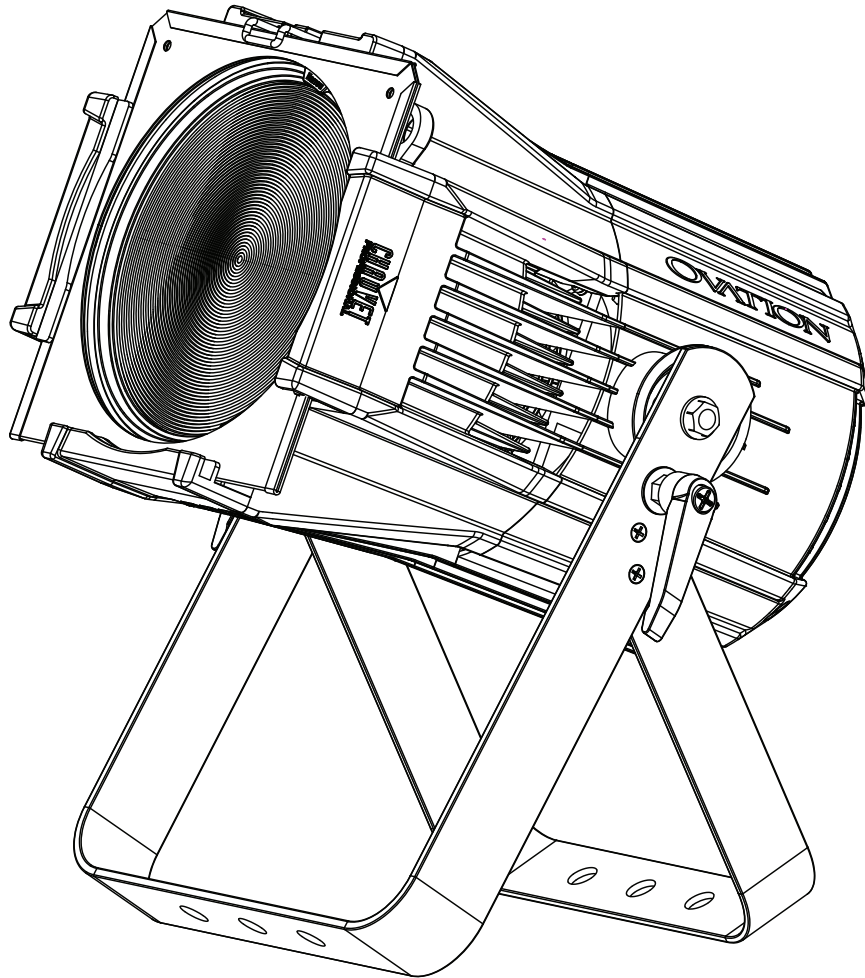


# Ovation

## P-56FC

### User Manual



  
**CHAUVET**  
PROFESSIONAL

## Edition Notes

The Ovation P-56FC User Manual includes a description, safety precautions, installation, programming, operation and maintenance instructions for the Ovation P-56FC.

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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 P-56FC User Manual is the 5<sup>th</sup> edition of this document. Go to [www.chauvetprofessional.com](http://www.chauvetprofessional.com) for the latest version.

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# 1. Before You Begin

## What Is Included

- Ovation P-56FC
- Neutrik® powerCON® power cord
- Gel frame holder (7.5 in/191 mm accessories)
- Medium and wide lenses
- 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
<b>1–512</b>	A range of values
<b>50/60</b>	A set of values of which only one can be chosen
<b>&lt;SET&gt;</b>	A button on the product's control panel
<b>Settings</b>	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

- This product is not intended for permanent installation.
- This product is for indoor use only! 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

- Ensure that the power cord is not crimped or damaged.
- 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

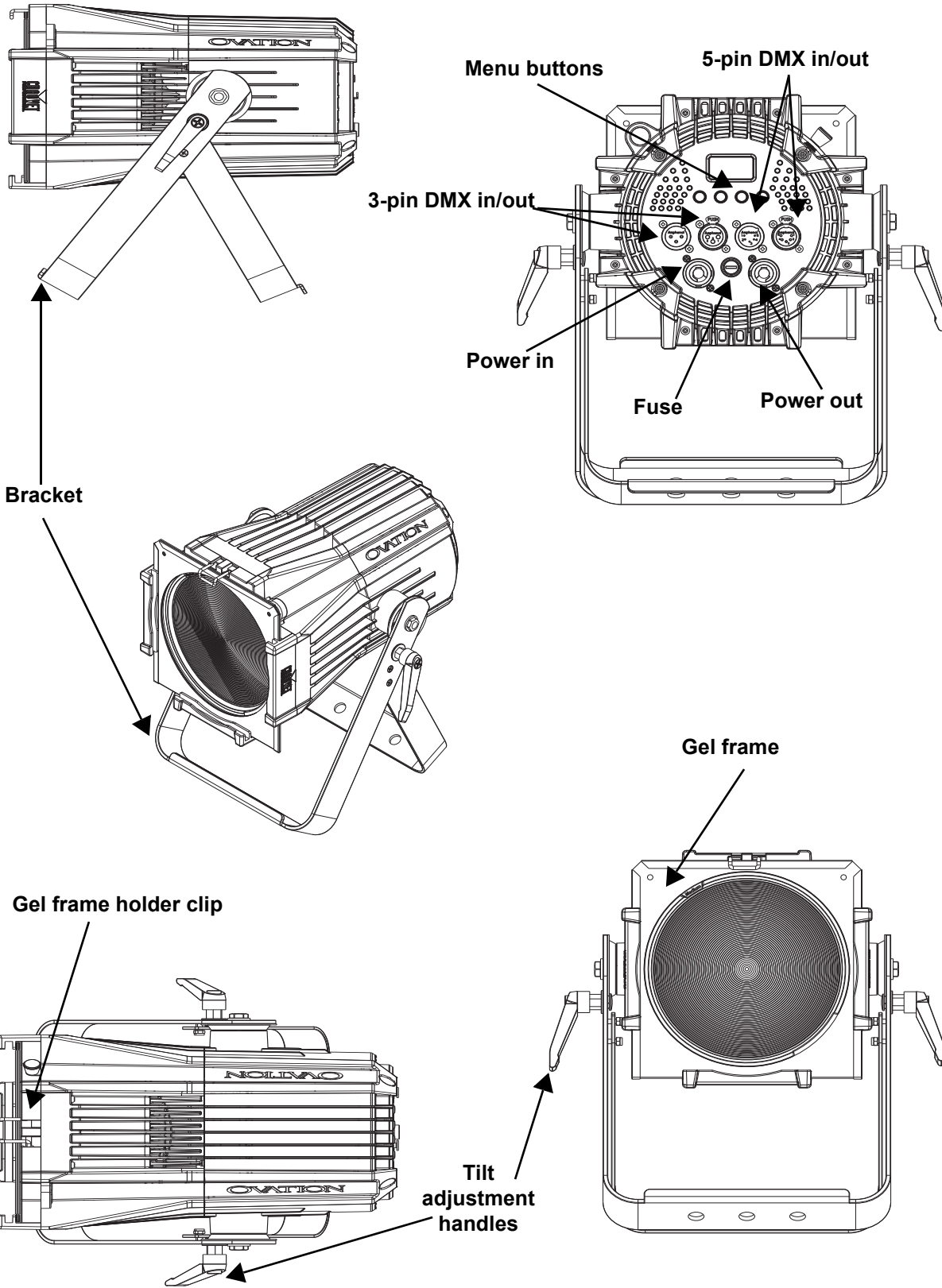
### Description

The Ovation P-56FC is a compact, virtually silent par that produces a homogenized, single-source, flat, and even field of light with high CRI. The bright unit uses an advanced full color-mixing RGBAL LED system to produce subtle pastels to punchy saturates, and nearly any temperature of white. The unit accepts standard 7.5" beam-shaping accessories, and interchangeable lens plate are included for medium and wide beam angles. Ideal for theatrical and studio applications, the virtually silent par features extremely smooth 16-bit dimming, and RDM and PWM for ease of setup.

### Features

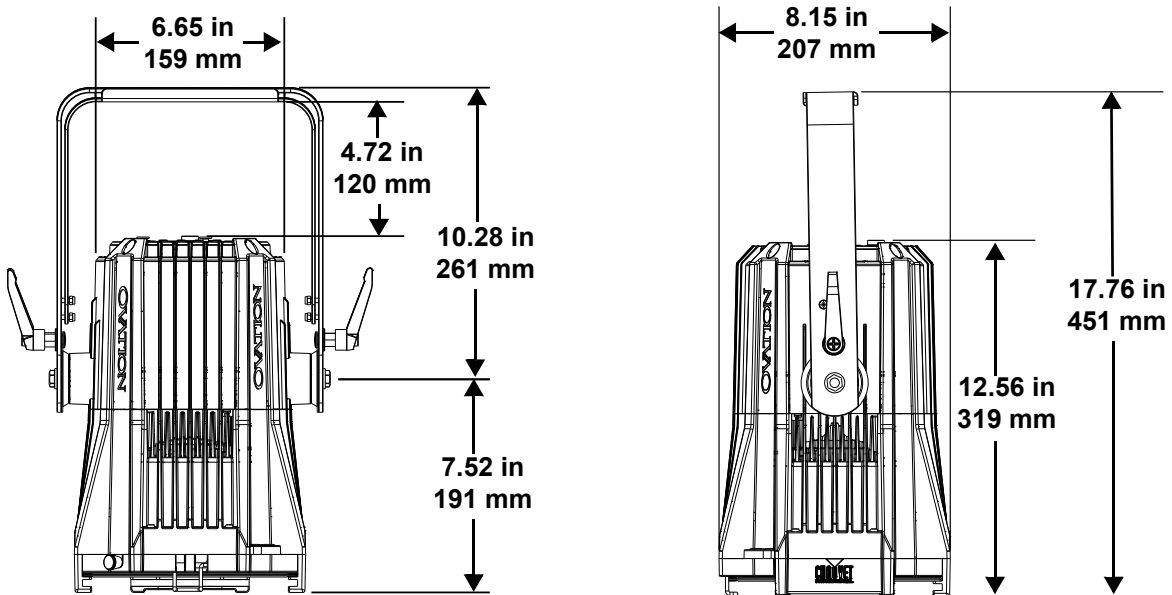
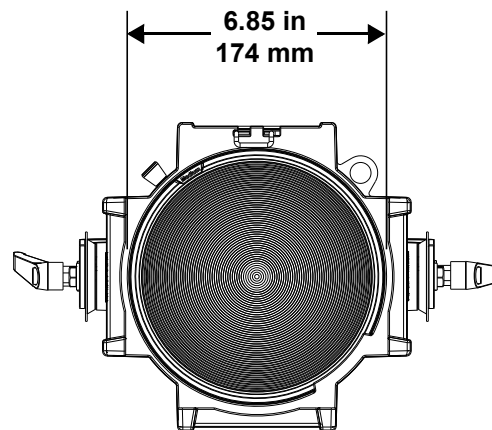
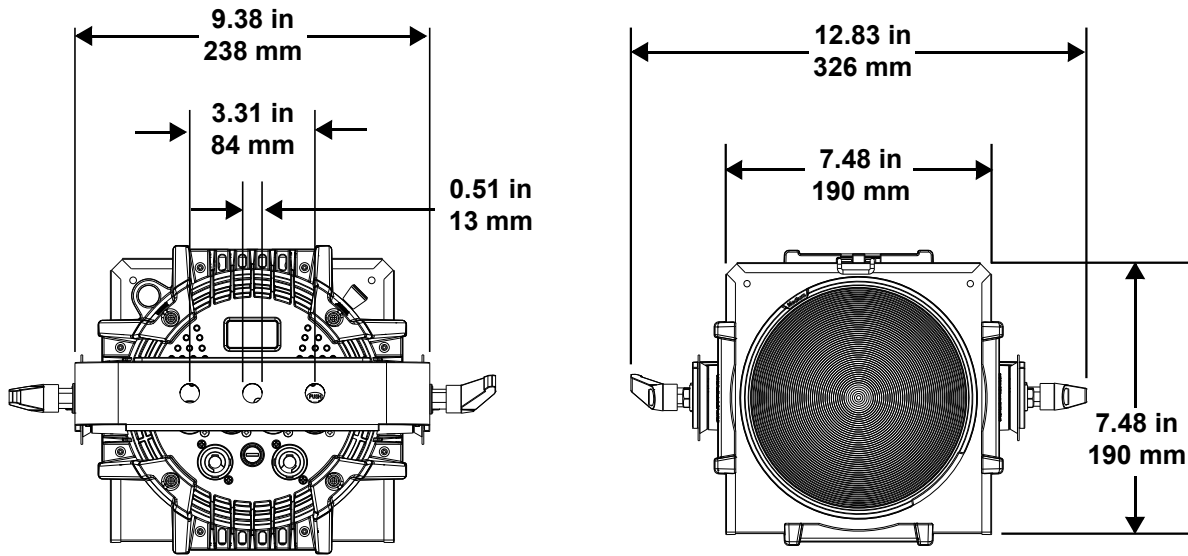
- Operating modes:
  - HSV: hue, saturation, value
  - 2-channel: dimmer, red shift
  - 4-channel: dimmer, virtual color wheel, color temperature, red shift
  - 5-channel: RGBAL
  - 8-channel: dimmer, RGBAL, strobe, red shift
  - 11-channel: 16-bit dimmer, RGBAL, strobe, virtual color wheel, color temperature, red shift
  - 13-channel: dimmer, RGBAL, strobe, virtual color wheel, color temperature, auto programs, auto speed, dimmer speed mode, red shift
  - 14-channel: 16-bit dimmer, 16-bit RGBAL, strobe, red shift
  - 16-channel: 16-bit dimmer, 16-bit RGBAL, strobe, virtual color wheel, color temperature, red shift
- Full color PAR style fixture with homogenized single source of light
- Interchangeable lens plates included for medium and wide beam angles
- Flat, even field of light
- Quiet operation for use in any situation with fan speed control
- RDM and variable PWM (Pulse Width Modulation) for setup ease
- Accepts standard 7.5" beam-shaping accessories
- 16-bit dimming resolution for smooth fades

**Product Overview**





### Product Dimensions



### 3. Setup

#### AC Power

Each Ovation P-56FC 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 P-56FC, 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](http://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 P-56FC 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 9 Ovation P-56FC products at 120 V, up to 16 products at 208 V, or up to 17 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 flathead 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 P-56FC 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 P-56FC uses a 3- and 5-pin DMX data connection for the **HSV, 2Ch, 4Ch, 5Ch, 8Ch, 11Ch, 13Ch, 14Ch, and 16Ch** 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 P-56FC to work in these personalities.
- The [DMX Values](#) 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](http://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 with the manufacturer or the DMX controller's User Manual, as not all DMX controllers have this capability. The Ovation P-56FC supports RDM protocol that allows feedback to make changes to menu map options.

## Master/Slave Connectivity

The Master/Slave mode allows an Ovation P-56FC (the master) to control one or more Ovation P-56FC products (the slaves) without a DMX controller. One Ovation P-56FC becomes the master when running an auto or custom program, or in 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](http://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

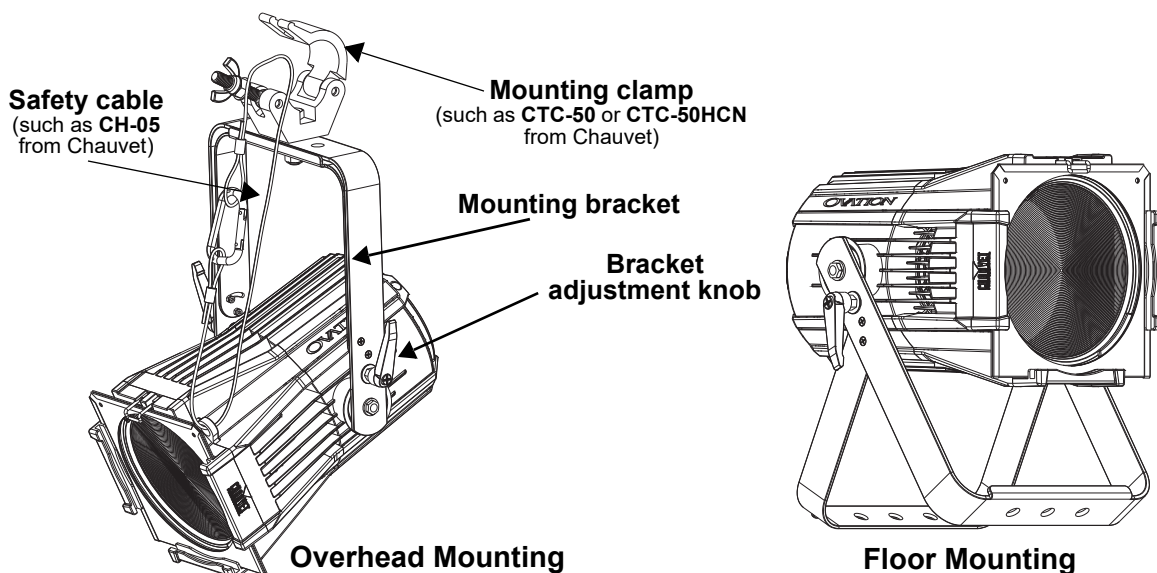
Chauvet recommends using the following general guidelines when mounting this product:

- 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 P-56FC 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



## Alternate Lens Changing Procedure

The Ovation P-56FC has the ability to have different types of lenses installed. The interchangeable lenses allow the product to have alternate beam angles.

### To remove the lens

1. Pull knob up.
2. Grab the tab on the lens, and pull it out of the fixture.



**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.**

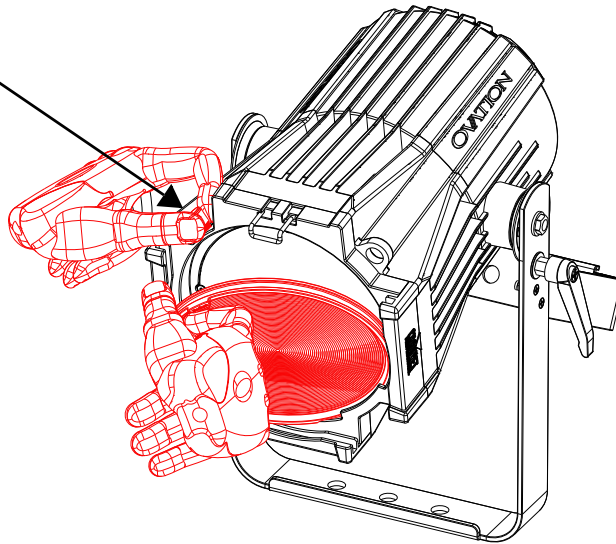
### To install a lens

1. Pull knob up.
2. Insert the bottom of the lens at approximately the 5 o'clock position with the lens tab located at the 11 o'clock position.
3. Push the top of the lens in and release the knob.



**The lens type is molded into the tab.**

**Pull knob up to release  
and change the lens**



## 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 P-56FC starting address in the 001-512 DMX range. This enables control of up to 17 products in the 16-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.

1. Go to the **DMX Channel** main level.
2. Select the desired personality (**2Ch, 4Ch, 5Ch, 8Ch, 11Ch, 13Ch, 14Ch, 16Ch, and HSV**).



- 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. Select **Address**.
3. 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
2Ch	511	11Ch	502
4Ch	509	13Ch	500
5Ch	508	14Ch	499
8Ch	505	16Ch	497

## Menu Map

Main Level	Programming Levels			Description	
<b>DMX Address</b>	<b>Address</b>	<b>001–512*</b>		Selects DMX address (*highest channel restricted to personality chosen)	
<b>DMX Channel</b>	<b>2Ch</b>	<b>Virtual Color Wheel</b>		2-channel: dimmer, red shift See <a href="#">Virtual Color Wheel Chart</a>	
		<b>Color Temperature</b>		See <a href="#">Color Temperature Chart</a>	
		<b>Manual Color Mixer</b>	<b>Red</b>	<b>0–255</b>	Combine red, green, blue, amber, and lime to make a custom color (0–100%)
			<b>Green</b>		
			<b>Blue</b>		
	<b>Amber</b>				
	<b>Lime</b>				
	<b>4Ch</b>		4-channel: dimmer, virtual color wheel, color temperature, red shift		
	<b>5Ch</b>		5-channel: RGBAL		
	<b>8Ch</b>		8-channel: RGBAL, dimmer, strobe, red shift		
<b>11Ch</b>		11-channel: 16-bit dimmer, RGBAL, virtual color wheel, color temperature, strobe, red shift			
<b>13Ch</b>		13-channel: RGBAL, dimmer, virtual color wheel, color temperature, strobe, auto program, auto speed, dimmer speed, red shift			
<b>14Ch</b>		14-channel: 16-bit RGBAL and dimmer, strobe, red shift			
<b>16Ch</b>		16-channel: 16-bit RGBAL and dimmer, virtual color wheel, color temperature, strobe, red shift			
<b>HSV</b>		3-channel: hue, saturation, value			

Main Level	Programming Levels		Description			
Virtual Color Wheel	Virtual Color Wheel	C3050 - Md Yellow	Dimmer 0–255	Virtual Color Wheel simulates the output of each gel color. Refer to the <a href="#">Virtual Color Wheel Chart</a> for specific values.		
		C3040 - Lt Yellow				
		C3240 - Amb Yellow				
		C2340 - VLt Amber				
		C2040 - Lt Amber				
		C2050 - Md Amber				
		C2060 - Dk Amber				
		C1050 - Lt Red				
		C1080 - Md Red				
		C1020 - NC Pink				
		C1030 - Md Pink				
		C1630 - Dk Pink				
		C1250 - Md Red Amber				
		C1060 - Dk Red Amber				
		C1650 - Magenta				
		C6170 - Dk Magenta				
		C6020 - Lt Lavender				
		C5030 - Lt Blue				
		C5020 - VLt Blue				
		C5430 - Lt Blue 2				
		C5070 - Blue				
		C5050 - Md Blue				
		C5060 - Dk Blue				
		C5690 - Indigo				
		C5080 - VDk Blue				
		C5081 - VDk Blue 2				
		C4370 - Yel Green				
	C4070 - Green					
	C4550 - Turquoise					
	C4560 - Aqua					
	C4570 - Blue Green					
	Color Temperature	2800K	Dimmer 0–255	Preset white color temperatures. Emulates a tungsten lamp at the specified color temperature. Refer to the <a href="#">Color Temperature Chart</a> for specific values.		
		3000K				
3200K						
3500K						
4000K						
4500K						
5000K						
5600K						
6000K						
6500K						
Manual Color Mixer		Red			0–255	Combines red, green, blue, amber, and lime to make a custom color (0–100%)
		Green				
	Blue					
	Amber					
	Lime					
Auto Show	Auto 1–5	1–100	Selects automatic programs and auto program speed			
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 ( <b>Dimmer 1</b> ) to slow ( <b>Dimmer 3</b> )	
White Balance	Off		Uses factory default white setting	
	Manual	Red	125–255	Sets red LED maximum value
		Green		Sets green LED maximum value
		Blue		Sets blue LED maximum value
		Amber		Sets amber 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.

#### Virtual Color Wheel

1. Go to the **Virtual Color Wheel** main level.
2. Select **Virtual Color Wheel**.
3. Select the desired gel color (see [Virtual Color Wheel Chart](#)).
4. Select the desired output level (**000–255**).

#### Color Temperature

To select a color temperature, do the following:

1. Go to the **Virtual Color Wheel** main level.
2. Select **Color Temperature**.
3. Select the desired color temperature (see [Color Temperature Chart](#)).
4. Select the desired output level (**000–255**).

#### 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, Green, Blue, Amber, or Lime Green**).
4. Select the desired output level for that color (**000–255**).
5. Repeat steps 3 and 4 until product outputs as desired.

#### Auto Programs

Auto programs allow for dynamic blinder effects without a DMX controller.

1. Go to Auto Show main level.
2. Select the desired auto program (**Auto 1–5**).
3. Select the desired speed (**1–100**).



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

#### 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 P-56FC products (the slaves) to simultaneously duplicate the output of another Ovation P-56FC (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 P-56FC 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**, **Green**, **Blue**, **Amber**, 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 P-56FC. 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 P-56FC 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 P-56FC'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 P-56FC to factory default settings.

1. Go to the **Reset Factory** main level.
2. Select **No** or **Yes**.

## Virtual Color Wheel (VCW)

The Ovation P-56FC includes a feature called the Virtual Color Wheel (VCW). This feature is available as a standalone control mode for manual use and as a control channel in select DMX personalities. More than 30 premixed colors, custom blended by Chauvet engineers, are available to call up for easier programming. The DMX values used to mix these colors are provided below. The overall intensity of the Ovation fixture can be adjusted to more closely replicate familiar industry-standard colors. A chart is available at [www.chauvetprofessional.com](http://www.chauvetprofessional.com) to compare Chauvet's premixed colors with popular gel colors. This chart is for comparison purposes only and is not an assertion that Chauvet's premixed colors match any of the gel colors listed.

### Virtual Color Wheel Chart

DMX Channel Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇄ 005	--	000	000	000	000	000
006 ⇄ 013	<b>C3050 - Md Yellow</b>	233	163	020	123	255
014 ⇄ 021	<b>C3040 - Lt Yellow</b>	224	158	047	255	231
022 ⇄ 028	<b>C3240 - Amb Yellow</b>	180	060	000	245	255
029 ⇄ 035	<b>C2340 - VLt Amber</b>	245	107	081	255	213
036 ⇄ 043	<b>C2040 - Lt Amber</b>	230	130	062	255	155
044 ⇄ 051	<b>C2050 - Md Amber</b>	255	000	025	255	194
052 ⇄ 059	<b>C2060 - Dk Amber</b>	255	000	024	255	150
060 ⇄ 067	<b>C1050 - Lt Red</b>	255	037	027	030	038
068 ⇄ 075	<b>C1080 - Md Red</b>	255	004	017	000	000
076 ⇄ 083	<b>C1020 - NC Pink</b>	238	135	129	255	255
084 ⇄ 091	<b>C1030 - Md Pink</b>	255	131	120	255	195
092 ⇄ 099	<b>C1630 - Dk Pink</b>	255	165	123	255	210
100 ⇄ 107	<b>C1250 - Md Red Amber</b>	255	000	041	195	055
108 ⇄ 115	<b>C1060 - Dk Red Amber</b>	255	000	045	120	030
116 ⇄ 121	<b>C1650 - Magenta</b>	255	050	115	255	115
122 ⇄ 130	<b>C6170 - Dk Magenta</b>	255	035	117	000	000
131 ⇄ 138	<b>C6020 - Lt Lavender</b>	127	122	142	251	255
139 ⇄ 146	<b>C5030 - Lt Blue</b>	000	255	197	100	255
147 ⇄ 154	<b>C5020 - VLt Blue</b>	158	255	189	000	255
155 ⇄ 162	<b>C5430 - Lt Blue 2</b>	000	255	180	000	243
163 ⇄ 170	<b>C5070 - Blue</b>	043	255	210	043	036
171 ⇄ 178	<b>C5050 - Md Blue</b>	000	255	218	000	181
179 ⇄ 186	<b>C5060 - Dk Blue</b>	000	210	206	000	118
187 ⇄ 194	<b>C5690 - Indigo</b>	065	000	210	040	055
195 ⇄ 202	<b>C5080 - VDk Blue</b>	000	203	230	000	040
203 ⇄ 210	<b>C5081 - VDk Blue2</b>	040	199	240	000	045
211 ⇄ 218	<b>C4370 - Yel Green</b>	027	255	028	016	104
219 ⇄ 226	<b>C4070 - Green</b>	049	255	055	120	090
227 ⇄ 234	<b>C4550 - Turquoise</b>	060	230	109	000	245
235 ⇄ 242	<b>C4560 - Aqua</b>	020	240	126	036	255
243 ⇄ 250	<b>C4570 - Blue Green</b>	000	255	079	030	053
251 ⇄ 255	--	000	000	000	000	000



Note: The colors above are simulated renditions of the color output produced compared with other similar incandescent products. Chauvet makes no guarantee of the color output accuracy.

### Color Temperature Chart

DMX Channel Value	Display Readout	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇄ 005	--	000	000	000	000	000
006 ⇄ 025	<b>2800K</b>	201	130	048	255	255
026 ⇄ 050	<b>3000K</b>	172	132	054	255	255
051 ⇄ 075	<b>3200K</b>	144	135	061	255	255
076 ⇄ 100	<b>3500K</b>	115	139	071	255	255
101 ⇄ 125	<b>4000K</b>	083	154	088	255	255
126 ⇄ 150	<b>4500K</b>	072	185	107	255	255
151 ⇄ 175	<b>5000K</b>	062	209	124	255	255
176 ⇄ 200	<b>5600K</b>	046	222	142	255	255
201 ⇄ 225	<b>6000K</b>	038	230	154	255	255
226 ⇄ 250	<b>6500K</b>	029	237	166	255	255
251 ⇄ 255	--	000	000	000	000	000



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

## DMX Values

### 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	Green	000 ⇔ 255	0–100%
6	Green fine	000 ⇔ 255	0–100%
7	Blue	000 ⇔ 255	0–100%
8	Blue fine	000 ⇔ 255	0–100%
9	Amber	000 ⇔ 255	0–100%
10	Amber fine	000 ⇔ 255	0–100%
11	Lime	000 ⇔ 255	0–100%
12	Lime fine	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
14	Virtual color wheel	000 ⇔ 255	Refer to <a href="#">Virtual Color Wheel Chart</a>
15	Color temperature	000 ⇔ 255	Refer to <a href="#">Color Temperature Chart</a>
16	Red shift	000 ⇔ 010	No function
		011 ⇔ 127	On
		128 ⇔ 255	Off

### 14Ch

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	Green	000 ⇔ 255	0–100%
6	Green fine	000 ⇔ 255	0–100%
7	Blue	000 ⇔ 255	0–100%
8	Blue fine	000 ⇔ 255	0–100%
9	Amber	000 ⇔ 255	0–100%
10	Amber fine	000 ⇔ 255	0–100%
11	Lime	000 ⇔ 255	0–100%
12	Lime fine	000 ⇔ 255	0–100%
13	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
14	Red shift	000 ⇔ 010	No function
		011 ⇔ 127	On
		128 ⇔ 255	Off

## OPERATION

### 13Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Red	000 ⇔ 255	0–100%
3	Green	000 ⇔ 255	0–100%
4	Blue	000 ⇔ 255	0–100%
5	Amber	000 ⇔ 255	0–100%
6	Lime	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
8	Virtual color wheel	000 ⇔ 255	Refer to <a href="#">Virtual Color Wheel Chart</a>
9	Color temperature	000 ⇔ 255	Refer to <a href="#">Color Temperature Chart</a>
10	Auto programs	000 ⇔ 010	No function
		011 ⇔ 060	Auto program 1
		061 ⇔ 110	Auto program 2
		111 ⇔ 160	Auto program 3
		161 ⇔ 210	Auto program 4
211 ⇔ 255	Auto program 5		
11	Auto speed	000 ⇔ 255	0–100%
12	Dimmer speed (Hold for 3 seconds, then release: Overrides and changes menu selection.)	000 ⇔ 051	Current dimmer speed mode
		052 ⇔ 101	Linear dimmer
		102 ⇔ 152	Nonlinear dimming curve 1 (fastest)
		153 ⇔ 203	Nonlinear dimming curve 2
204 ⇔ 255	Nonlinear dimming curve 3		
13	Red shift	000 ⇔ 010	No function
		011 ⇔ 127	On
		128 ⇔ 255	Off

### 11Ch

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	Green	000 ⇔ 255	0–100%
5	Blue	000 ⇔ 255	0–100%
6	Amber	000 ⇔ 255	0–100%
7	Lime	000 ⇔ 255	0–100%
8	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	Virtual color wheel	000 ⇔ 255	Refer to <a href="#">Virtual Color Wheel Chart</a>
10	Color temperature	000 ⇔ 255	Refer to <a href="#">Color Temperature Chart</a>
11	Red shift	000 ⇔ 010	No function
		011 ⇔ 127	On
		128 ⇔ 255	Off

**8Ch**

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

**5Ch**

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

**4Ch**

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Virtual color wheel	000 ⇔ 255	Refer to <a href="#">Virtual Color Wheel Chart</a>
3	Color temperature	000 ⇔ 255	Refer to <a href="#">Color Temperature Chart</a>
4	Red shift	000 ⇔ 010	No function
		011 ⇔ 127	On
		128 ⇔ 255	Off

**2Ch**

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100% (color set through menu)
2	Red shift	000 ⇔ 010	No function
		011 ⇔ 127	On
		128 ⇔ 255	Off

**HSV**

Channel	Function	Value	Percent/Setting
1	Hue	000 ⇔ 255	0–100%
2	Saturation	000 ⇔ 255	0–100%
3	Value	000 ⇔ 255	0–100%

## 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
12.48 in (317 mm)	12.83 in (326 mm)	14 in (363 mm)	12.2 lb (5.6 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	176 W	175 W	180 W
Operating Current	1.45 A	0.84 A	0.78 A
Power-linking current (products)	6.6 A (9 products)	5.2 A (16 products)	5.8 A (17 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	10	3–5 W	1 A	50,000 hours
	Green	10			
	Blue	8			
	Amber	8			
	Lime green	12			

### Photometrics

Parameter	Medium Lens	Wide Lens
Beam Angle	21°	52°
Field Angle	35°	82°
Illuminance @ 5 m	1,350	254

### Thermal

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

### DMX

I/O Connector	Channel Range
3- and 5-pin XLR	2, 4, 5, 8, 11, 13, 14, 16, and HSV

### Ordering

Product Name	Item Code	UPC Number
Ovation P-56FC	03031500	781462218485

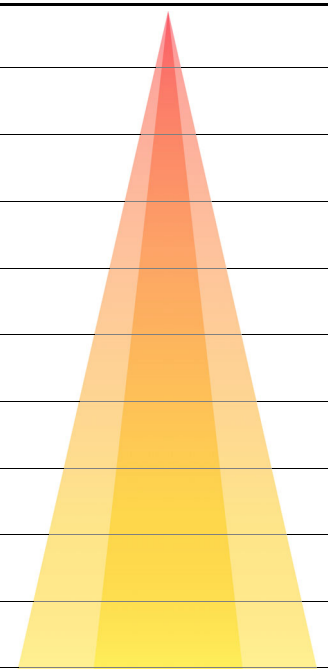


UL 1573  
CSA C22.2 No. 166  
E113093

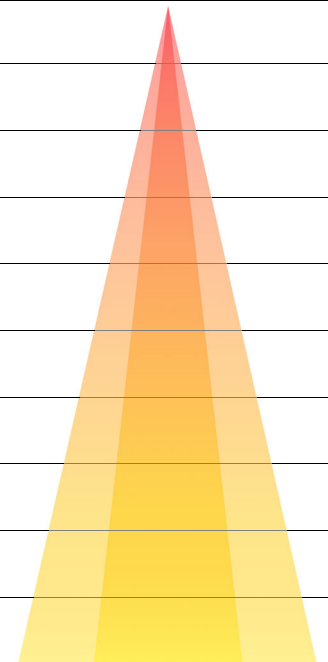




### Photometrics Charts

Medium			Light Source (Imperial)		Wide		
Distance	21° Beam Diameter	35° Field Diameter	Footcandle		Footcandle	52° Beam Diameter	82° Field Diameter
15 ft	5.56 ft	9.46 ft	150		28	4.88 ft	8.69 ft
20 ft	7.41 ft	12.61 ft	84		16	19.51 ft	34.77 ft
30 ft	11.12 ft	18.92 ft	38		7	29.26 ft	52.16 ft
40 ft	14.83 ft	25.22 ft	21		4	39.02 ft	69.54 ft
50 ft	18.53 ft	31.53 ft	14		3	48.77 ft	86.93 ft
75 ft	27.80 ft	47.29 ft	6		1	73.16 ft	130.39 ft
100 ft	37.07 ft	63.06 ft	3		1	97.55 ft	173.86 ft
125 ft	46.33 ft	78.82 ft	2		1	121.93 ft	217.32 ft
150 ft	55.60 ft	94.59 ft	2		1	146.32 ft	260.79 ft



Medium			Light Source (Metric)		Wide		
Distance	21° Beam Diameter	35° Field Diameter	Lux		Lux	52° Beam Diameter	82° Field Diameter
1 m	0.37 m	0.63 m	33,750		6,350	0.98 m	1.74 m
2 m	0.74 m	1.26 m	8,438		1,588	1.95 m	3.48 m
5 m	1.85 m	3.15 m	1,350		254	4.88 m	8.69 m
8 m	2.97 m	5.04 m	527		99	7.80 m	13.91 m
10 m	3.71 m	6.31 m	338		64	9.75 m	17.39 m
15 m	5.56 m	9.46 m	150		28	14.63 m	26.08 m
20 m	7.41 m	12.61 m	84		16	19.51 m	34.77 m
25 m	9.27 m	15.76 m	54		10	24.39 m	43.46 m
30 m	11.12 m	18.92 m	38		7	29.26 m	52.16 m



## 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](http://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](http://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](http://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
<b>Chauvet World Headquarters</b>	
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: <a href="mailto:chauvetcs@chauvetlighting.com">chauvetcs@chauvetlighting.com</a> Website: <a href="http://www.chauvetprofessional.com">www.chauvetprofessional.com</a>
<b>Chauvet Europe Ltd</b>	
Address: Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110	Email: <a href="mailto:UKtech@chauvetlighting.eu">UKtech@chauvetlighting.eu</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet Europe BVBA</b>	
Address: Stokstraat 18 9770 Kruishoutem Belgium Voice: +32 9 388 93 97	Email: <a href="mailto:BNLtech@chauvetlighting.eu">BNLtech@chauvetlighting.eu</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet France</b>	
Address: 3, Rue Ampère 91380 Chilly-Mazarin France Voice: +33 1 78 85 33 59	Email: <a href="mailto:FRtech@chauvetlighting.fr">FRtech@chauvetlighting.fr</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet Germany</b>	
Address: Bruno-Bürgel-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: <a href="mailto:DEtech@chauvetlighting.de">DEtech@chauvetlighting.de</a> Website: <a href="http://www.chauvetprofessional.eu">www.chauvetprofessional.eu</a>
<b>Chauvet Mexico</b>	
Address: Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010	Email: <a href="mailto:servicio@chauvet.com.mx">servicio@chauvet.com.mx</a> Website: <a href="http://www.chauvetprofessional.mx">www.chauvetprofessional.mx</a>

Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, France, Germany, Benelux, or Mexico, contact the dealer of record.