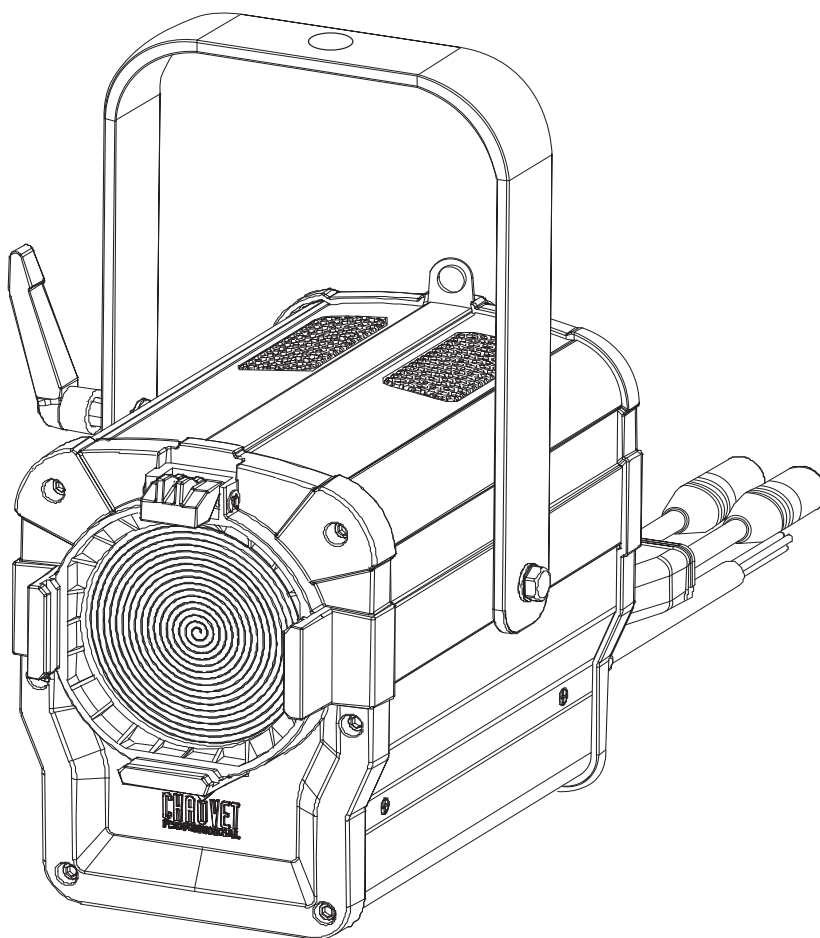


Ovation

F-55FC

User Manual




CHAUVET
PROFESSIONAL

EDITION NOTES

The Ovation F-55FC User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Ovation F-55FC as of the release of this edition.

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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, and this manual, before installing, operating, or maintaining this product.

Disclaimer

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Document Revision

This Ovation F-55FC User Manual is the 2nd 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 F-55FC
- Power cord
- Warranty card
- 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 your 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.



Any reference to data or power connections in this manual assumes the use of Seetronic IP rated cables.



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.

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! To prevent risk of fire or shock, do not expose this product to rain or moisture. (IP20)
- 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.
- Make sure there are no flammable materials close to the product when operating.
- When hanging this product, always secure to a fastening device using a safety cable.
- Never carry the product by the power cord.

Power and Wiring

- Make sure the power cord is not crimped or damaged.
- Always make sure you are connecting the product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- 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 dimmer pack or rheostat.
- Make sure to replace the fuse with another of the same type and rating.
- 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.
- 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

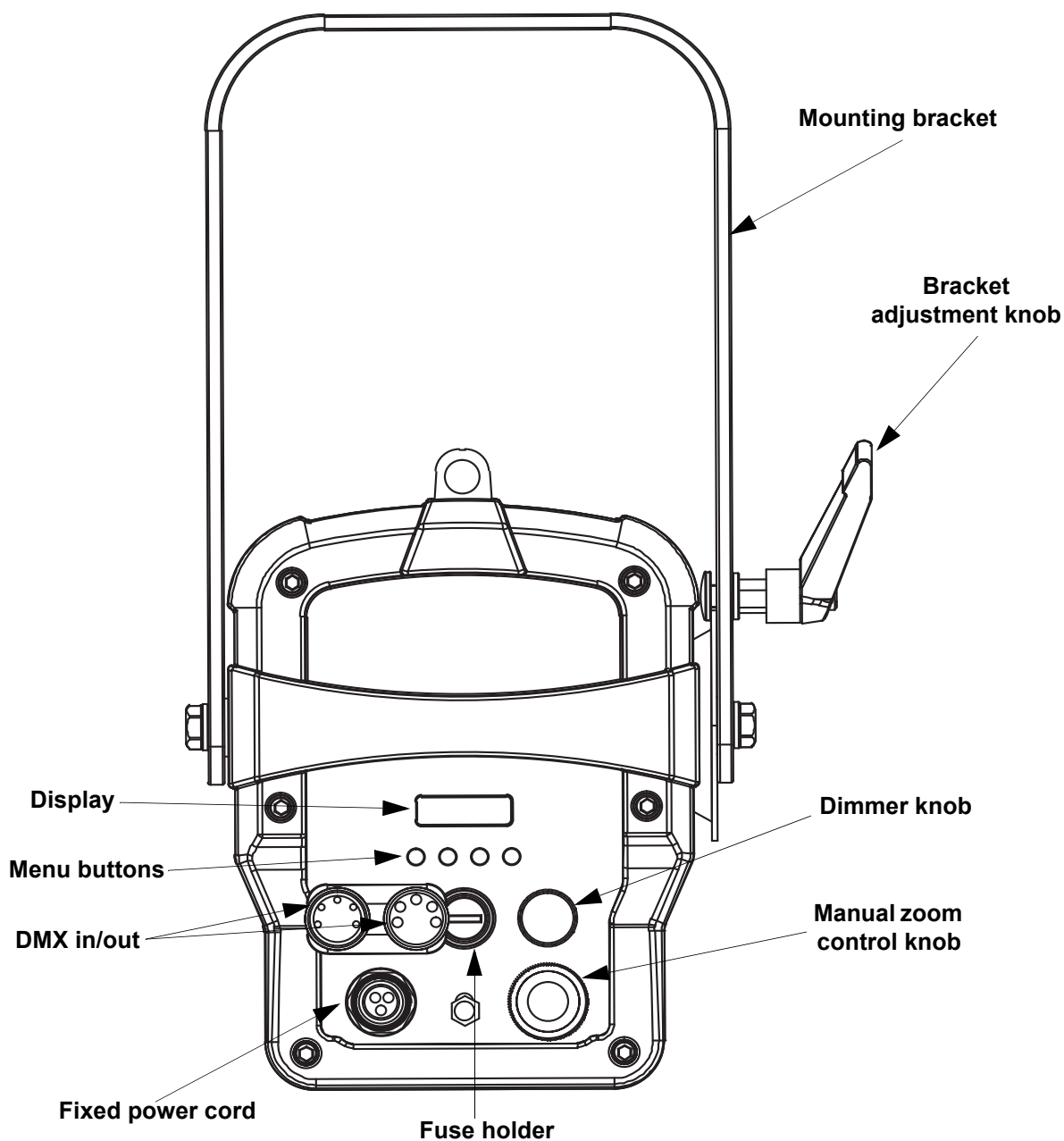
Description

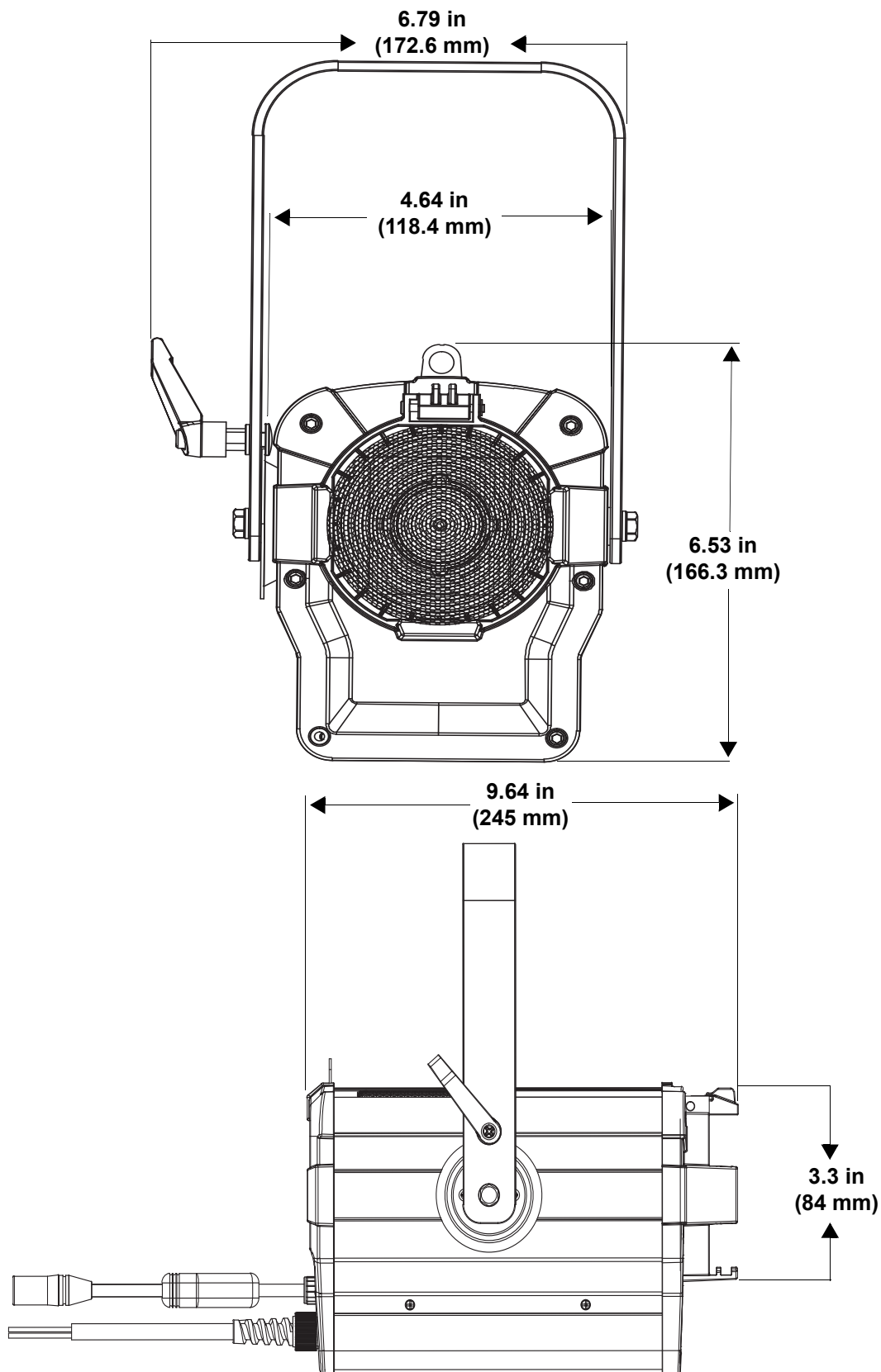
The Ovation F-55FC is a full-color RGBAL inkie Fresnel-style fixture. The Virtual Color Wheel and Color Temperature presets are shared from our other full-color Ovation fixtures. A manual zoom with a 32° to 87° field angle allows the product to have a soft field of light when needed.

Features

- Operating modes:
 - 1-channel: dimmer
 - 3-channel: dimmer, Virtual Color Wheel, Color Temperature
 - 5-channel: RGBAL control
 - 7-channel: dimmer, RGBAL control, strobe
 - 10-channel: 16-bit dimmer, RGBAL control, strobe, Virtual Color Wheel, Color Temperature
 - 12-channel: dimmer, RGBAL control, strobe, Virtual Color Wheel, Color Temperature, auto programs, auto speed, dimmer speed mode
 - 13-channel: 16-bit dimmer, 16-bit RGBAL control, strobe
 - 15-channel: 16-bit dimmer, 16-bit RGBAL control, strobe, Virtual Color Wheel, Color Temperature
 - HSV: hue, saturation, value
- Compact, full-color Fresnel for tight spaces and on-location lighting
- Soft and even field of light
- 16-bit dimming resolution for smooth fades
- Virtually silent operation for use in any situation
- Manually controlled variable zoom angle between 32° and 87°

Product Overview



Product Dimensions

3. SETUP

AC Power

Each Ovation F-55FC has an auto-ranging power supply that works with an input voltage range of 100 to 240 VAC, 50/60 Hz.



- Always connect the product to a protected circuit (e.g., 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

Connection	Wire (U.S.)	Wire (Europe)	Screw Color
AC live	Black	Brown	Yellow/brass
AC neutral	White	Blue	Silver
AC ground	Green/yellow	Green/yellow	Green

DMX Linking

The Ovation F-55FC will work with a DMX controller using a 5-pin DMX serial connection. A DMX Primer is available from www.chauvetprofessional.com.

DMX Personalities

The Ovation F-55FC uses a 5-pin DMX for its DMX personalities: **1, 3, 5, 7, 10, 12, 13, 15, or HSV**. Refer to the [Introduction](#) chapter for a brief description of each DMX personality.

- Refer to the [Operation](#) section to learn how to configure the Ovation F-55FC to work in these personalities.
- The [DMX Values](#) section provides detailed information regarding the control personalities.



If you are not familiar with or need more 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.

Mounting

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

Orientation

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

Rigging

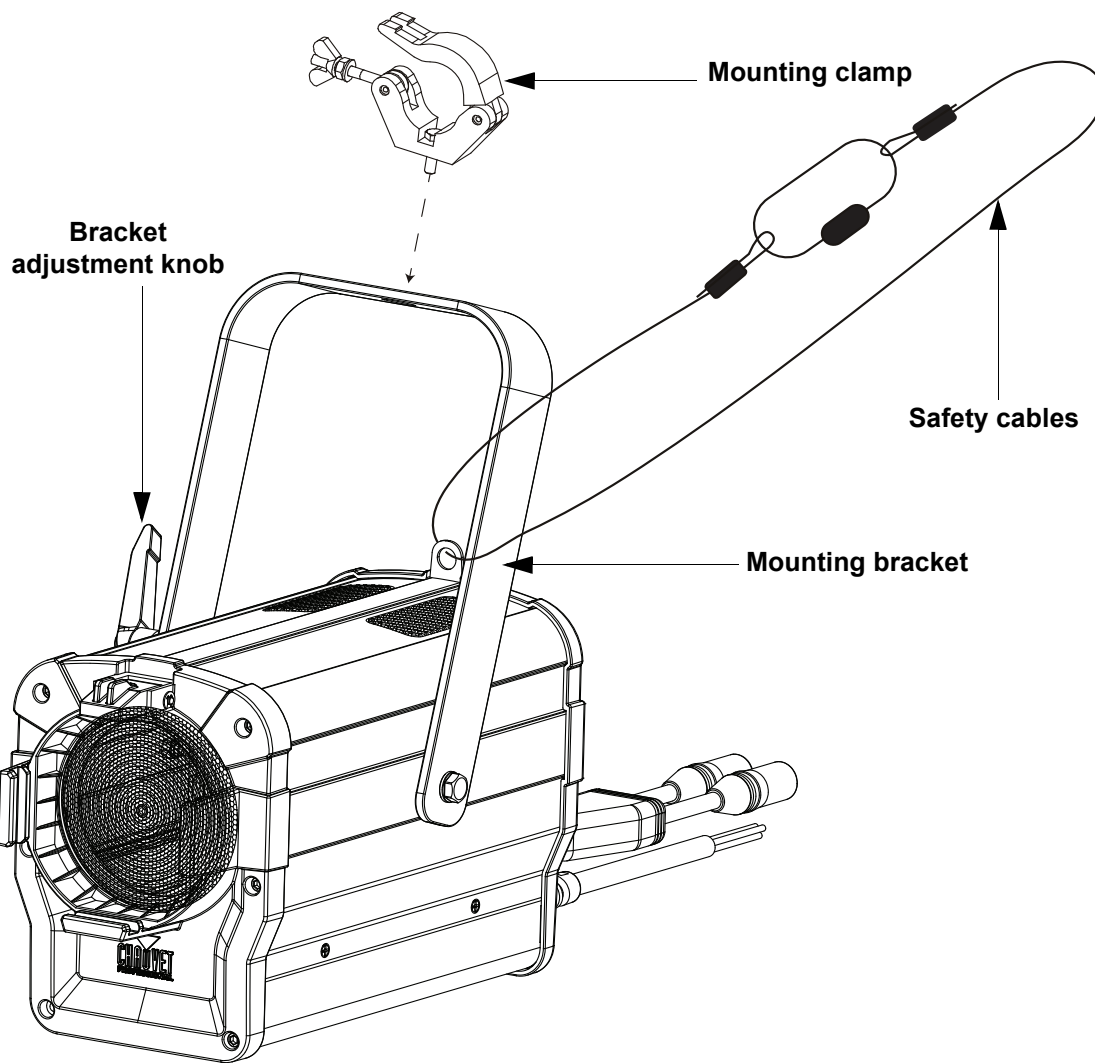
Chauvet recommends using the following general guidelines when mounting this product:

- 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 you are mounting the product 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 F-55FC comes with a double-bracketed yoke to which you can either attach mounting clamps for hanging. You must supply the mounting clamps. Make sure the clamps are capable of supporting the weight of this product. Use at least one mounting point per product. For the CHAUVET Professional line of mounting clamps, go to <http://www.trusst.com/products>.

Mounting Diagram



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 F-55FC supports RDM protocol that allows feedback to make changes to menu map options.



- The [Operation](#) section of this manual provides detailed instructions on how to configure the master and slaves.
- If you are not familiar with or need 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.

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 F-55FC starting address in the 001-512 DMX range. This enables control of up to 34 products in the 15-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 take you to 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. In this case, if there is another programming level, you will see that first option, or you will see the selected value.
- Press **<MENU>** repeatedly to exit to the previous main level.

Menu Map

Main Level	Programming Levels				Description
DMX Address	Address		001-512*		Selects DMX address (highest channel restricted to personality chosen)
DMX Channels	1-Ch	Virtual Color Wheel		<_ _ _ _ _>	1-channel: Refer to the Virtual Color Wheel Chart
		Color Temperature		<_ _ _ _ _>	Refer to the Color Temperature Chart
		Manual Color Mixer	Red	000–255	Combine red, green, blue, amber, and lime to make a custom color (0–100%)
			Green		
			Blue		
			Amber		
			Lime		
	3-Ch				3-channel: dimmer, Virtual Color Wheel, Color Temperature
	5-Ch				5-channel: RGBAL control
	7-Ch				7-channel: dimmer, RGBAL control, strobe
	10-Ch				10-channel: 16-bit dimmer, RGBAL control, strobe, Virtual Color Wheel, Color Temperature
	12-Ch				12-channel: dimmer, RGBAL control, strobe, Virtual Color Wheel, Color Temperature, auto programs, auto speed, dimmer speed mode
	13-Ch				13-channel: 16-bit dimmer, 16-bit RGBAL control, strobe
	15-Ch				15-channel: 16-bit dimmer, 16-bit RGBAL control, strobe, Virtual Color Wheel, Color Temperature
	HSV				Hue, saturation, value

Main Level	Programming Levels			Description
Virtual Color Wheel	Virtual Color Wheel	C3050 - Md Yellow	Dimmer 000-255	Virtual Color Wheel simulates the output of each gel color. Refer to the Virtual Color Wheel Chart section 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 000-255	Preset white color temperatures. Emulates a tungsten lamp at the specified color temperature. Refer to the Color Temperature Chart section for specific values.
		3000K		
		3200K		
		3500K		
		4000K		
		4500K		
		5000K		
		5600K		
		6000K		
		6500K		
	Manual Color Mixer	Red	000-255	Combine red, green, blue, amber, and lime to make a custom color (0–100%)
		Green		
		Blue		
		Amber		
		Lime		

Main Level	Programming Levels			Description
Auto Show	Auto 1		1–100	Selects automatic programs and auto program speed
	Auto 2			
	Auto 3			
	Auto 4			
	Auto 5			
Master/ Slave	Master			Master mode
	Slave			Slave mode
Dimmer Mode	Off			Linear dimmer
	Dimmer 1			Fast dimmer curve
	Dimmer 2			Medium dimmer curve
	Dimmer 3			Slow dimmer curve
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			Selects the Pulse Width Modulation output frequency
	1200Hz			
	2000Hz			
	4000Hz			
	6000Hz			
	25KHz			
Back Light	10 S			Turns off display backlight after 10 seconds of inactivity
	30 S			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		<_ _ _ _>	Shows total product hours
	Version		<V _ . _>	Shows installed software version
	UID		<_ _ _ _ _ _ _ _>	Shows product UID
	Temperature		<_ _ °C>	Shows product temperature in °C
Reset Factory	No			Reset to factory defaults
	Yes			

Configuration (DMX)

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

DMX Personalities

This setting allows you to choose a particular DMX personality.

1. Go to the **DMX Personality** main level.
2. Select the desired personality (see table below).

Personality	Channels
3-Ch: dimmer, Virtual Color Wheel, Color Temperature	3
5-Ch: RGBAL control	5
7-Ch: dimmer, RGBAL, strobe	7
10-Ch: 16-bit dimmer, RGBAL control, strobe, Virtual Color Wheel, Color Temperature	10
12-Ch: dimmer, RGBAL control, strobe, Virtual Color Wheel, Color Temperature, auto program, auto speed, dimmer speed mode	12
13-Ch: 16-bit RGBAL and dimmer, strobe	13
15Ch: 16-bit RGBAL and dimmer, Virtual Color Wheel, Color Temperature, strobe	15
HSV: hue, saturation, value	3



- See the [Starting Address](#) section for the highest starting address you can select for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.

Starting Address

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 **DMX Address** main level.
2. Select the starting address (**001–512**).

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

DMX Personality	DMX Address
15-Ch	497
13-Ch	499
12-Ch	500
10-Ch	502
7-Ch	505
5-Ch	507
3-Ch	509
HSV	509

DMX Values

HSV

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

15-Ch

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 ⇔ 010 011 ⇔ 255	No function Strobe (slow to fast)
14	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart
15	Color Temperature	000 ⇔ 255	Refer to the Color Temperature Chart

13-Ch

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 ⇔ 010 011 ⇔ 255	No function Strobe (slow to fast)

12-Ch

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 the Virtual Color Wheel Chart
9	Color Temperature	000 ⇔ 255	Refer to the Color Temperature Chart
10	Auto Programs	000 ⇔ 010 011 ⇔ 060 061 ⇔ 110 111 ⇔ 160 161 ⇔ 210 211 ⇔ 255	No function Auto program 1 Auto program 2 Auto program 3 Auto program 4 Auto program 5
11	Auto Speed	000 ⇔ 255	0–100%
12	Dimmer Mode*	000 ⇔ 051 052 ⇔ 101 102 ⇔ 152 153 ⇔ 203 204 ⇔ 255	Current dimmer speed mode Linear dimmer Nonlinear dimming curve 1 (fastest) Nonlinear dimming curve 2 Nonlinear dimming curve 3 (slowest)



*Hold desired Dimmer Mode value for 3 seconds, then release. This changes the Dimmer Mode setting in the menu.

10-Ch

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 the Virtual Color Wheel Chart
10	Color Temperature	000 ⇔ 255	Refer to the Color Temperature Chart

7-Ch

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

5-Ch

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%

3-Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Virtual Color Wheel	000 ⇔ 255	Refer to the Virtual Color Wheel Chart
3	Color Temperature	000 ⇔ 255	Refer to the Color Temperature Chart

1-Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%, color set through menu

Virtual Color Wheel

The Ovation F-55FC includes a feature called the Virtual Color Wheel (VCW). This feature is available as a standalone control mode for manual use and also as a control channel in select DMX personalities. More than 30 pre-mixed colors, custom blended by our engineers, are available to call up for easier programming.

The DMX values used to mix these colors are provided below. You may adjust the overall intensity of the Ovation fixture in order to more closely replicate colors you are familiar with. A chart is available on our website www.chauvetprofessional.com to compare our pre-mixed colors with popular gel colors. This chart is for comparison purposes only and is not a representation that our pre-mixed 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	C3050 - Md Yellow	233	163	020	123	255
014 ⇌ 021	C3040 - Lt Yellow	224	158	047	255	231
022 ⇌ 028	C3240 - Amb Yellow	180	060	000	245	255
029 ⇌ 035	C2340 - Vlt Amber	245	107	081	255	213
036 ⇌ 043	C2040 - Lt Amber	230	130	062	255	155
044 ⇌ 051	C2050 - Md Amber	255	000	025	255	194
052 ⇌ 059	C2060 - Dk Amber	255	000	024	255	150
060 ⇌ 067	C1050 - Lt Red	255	037	027	030	038
068 ⇌ 075	C1080 - Md Red	255	004	017	000	000
076 ⇌ 083	C1020 - NC Pink	238	135	129	255	255
084 ⇌ 091	C1030 - Md Pink	255	131	120	255	195
092 ⇌ 099	C1630 - Dk Pink	255	165	123	255	210
100 ⇌ 107	C1250 - Md Red Amber	255	000	041	195	055
108 ⇌ 115	C1060 - Dk Red Amber	255	000	045	120	030
116 ⇌ 121	C1650 - Magenta	255	050	115	255	115
122 ⇌ 130	C6170 - Dk Magenta	255	035	117	000	000
131 ⇌ 138	C6020 - Lt Lavender	127	122	142	251	255
139 ⇌ 146	C5030 - Lt Blue	000	255	197	100	255
147 ⇌ 154	C5020 - Vlt Blue	158	255	189	000	255
155 ⇌ 162	C5430 - Lt Blue 2	000	255	180	000	243
163 ⇌ 170	C5070 - Blue	043	255	210	043	036
171 ⇌ 178	C5050 - Md Blue	000	255	218	000	181
179 ⇌ 186	C5060 - Dk Blue	000	210	206	000	118
187 ⇌ 194	C5690 - Indigo	065	000	210	040	055
195 ⇌ 202	C5080 - Vdk Blue	000	203	230	000	040
203 ⇌ 210	C5081 - Vdk Blue 2	040	199	240	000	045
211 ⇌ 218	C4370 - Yel Green	027	255	028	016	104
219 ⇌ 226	C4070 - Green	049	255	055	120	090
227 ⇌ 234	C4550 - Turquoise	060	230	109	000	245
235 ⇌ 242	C4560 - Aqua	020	240	126	036	255
243 ⇌ 250	C4570 - Blue Green	000	255	079	030	053
251 ⇌ 255	--	000	000	000	000	000



Note: The colors above are simulated renditions of the color output produced as 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	2800K	255	199	107	253	255
026 ⇌ 050	3200K	253	247	129	255	255
051 ⇌ 075	3500K	234	255	141	253	255
076 ⇌ 100	4000K	204	255	156	243	255
101 ⇌ 125	4500K	181	248	166	224	255
126 ⇌ 150	5000K	160	255	180	241	255
151 ⇌ 175	5600K	138	255	191	241	255
176 ⇌ 200	6000K	147	255	193	203	255
201 ⇌ 225	6500K	142	251	197	187	255
226 ⇌ 255	--	000	000	000	000	000



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

Configuration (Standalone)

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

Static Mode

The Static mode allows for permanent dimmer, zoom, and strobe presets 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

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

1. Go to the **Virtual Color Wheel** main level.
2. Select **Manual Color Mixer**.
3. Select the color to edit (**Red**, **Green**, **Blue**, **Amber**, or **Lime**).
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 the **Auto Show** main level.
2. Select the desired auto (**Auto 1-5**).
3. Select the desired speed (**Speed 0-100**).



The auto programs cannot be edited.

Master/Slave

The Master/Slave mode allows a group of Ovation F-55FC products (the slaves) to simultaneously duplicate the output of another Ovation F-55FC (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 Color 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 Profiles

This setting determines how fast the output of the Ovation F-55FC changes when you modify output value. This setting provides four different options to simulate the dimming curve of an incandescent lighting product.

- Go to the **Dimmer Mode** main level.
- Select a dimmer curve (**Off**, **Dimmer 1**, **Dimmer 2**, or **Dimmer 3**).



OFF: The output is proportional (linear) to the dimmer channel values.

Dimmer 1-3: The output follows the dimmer values based on the corresponding dimmer curve, DIM1 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 **Manual** to continue to adjust the white balance or **Off** to default to the original factory setting.
3. For **Manual** mode, select the color value to edit (**Red**, **Green**, **Blue**, **Amber**, or **Lime**).
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 F-55FC.

1. Go to the **LED Frequency** main level.
2. Select PWM Frequency (**600Hz**, **1200Hz**, **2000Hz**, **4000Hz**, **6000Hz**, or **25Khz**).

Back Light

This setting allows for selection of the amount of time the backlight on the Ovation F-55FC's display stays on after the last button is pressed on the control panel.

1. Go to the **Back Light** main level.
2. Select **Always On** (remains on), **10S** (10 seconds), **30S** (seconds), **2Min** (2 minutes).

Factory Reset

This option restores the Ovation F-55FC to factory default settings.

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

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
9.64 in (245 mm)	4.64 in (118 mm)	6.53 in (166 mm)	5.4 lb (2.4 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	230 V, 50 Hz
Consumption	44 W	28 W
Operating current	0.357 A	0.130 A
Power I/O	U.S./Canada	Worldwide
Power input connector	Fixed	Fixed
Power cord plug	Edison (U.S.)	Local plug

Light Source

Type	Power	Lifespan
LED	3 to 4 W	50,000 hours
Color	Quantity	Current
Red, green, blue, amber, lime	15 (3 each)	700 mA

Photometrics

Parameter	Narrow Zoom	Wide Zoom
Beam angle	18°	67°
Field angle	32°	87°
Zoom angle	32°	87°
Lumens	114	462
Illuminance @ 5 m	36 lux	18 lux

Thermal

Maximum External Temperature
113 °F (45 °C)

DMX

I/O Connector	Channel Range
5-pin XLR	1, 3, 5, 7, 10, 12, 13, 15, or HSV

Ordering

Product Name	Item Code	UPC Number
Ovation F-55FC	03031384	784162217327



UL 1573
CSA C22.2 No. 166
E113093



RoHS



Photometrics Chart

Distance	Narrow (32°)		Ovation F-55FC (Imperial)		Wide (87°)	
	Beam Diameter	Field Diameter	Footcandle	Footcandle	Beam Diameter	Field Diameter
15 ft	4.75 ft	8.60 ft	4	2	19.86 ft	28.47 ft
20 ft	6.34 ft	11.47 ft	2	1	26.48 ft	37.96 ft
30 ft	9.50 ft	17.20 ft	1	1	39.71 ft	56.94 ft
40 ft	12.67 ft	22.94 ft	1	0	52.95 ft	75.92 ft
50 ft	15.84 ft	28.67 ft	0	0	66.19 ft	94.90 ft
75 ft	23.76 ft	43.01 ft	0	0	99.28 ft	142.34 ft
100 ft	31.68 ft	57.35 ft	0	0	132.38 ft	189.79 ft
125 ft	39.60 ft	71.69 ft	0	0	165.47 ft	237.24 ft
150 ft	47.52 ft	86.02 ft	0	0	198.57 ft	284.69 ft



Field Beam Field

Distance	Narrow (32°)		Ovation F-55FC (Metric)		Wide (87°)	
	Beam Diameter	Field Diameter	Lux	Lux	Field Diameter	Beam Diameter
1 m	0.32 m	0.57 m	900	450	1.90 m	1.32 m
2 m	0.63 m	1.15 m	225	113	3.80 m	2.65 m
5 m	1.58 m	2.87 m	36	18	9.49 m	6.62 m
10 m	2.53 m	4.59 m	14	7	15.18 m	10.59 m
15 m	3.17 m	5.73 m	9	5	18.98 m	13.24 m
20 m	4.75 m	8.60 m	4	2	28.47 m	19.86 m
25 m	6.34 m	11.47 m	2	1	37.96 m	26.48 m
30 m	7.92 m	14.34 m	1	1	47.45 m	33.09 m
35 m	9.50 m	17.20 m	1	1	56.94 m	39.71 m



Field Beam Field

RETURNS

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

Call Chauvet 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(s) for the return.

Clearly label the package with an 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.

Once you have the RMA number, provide 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

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