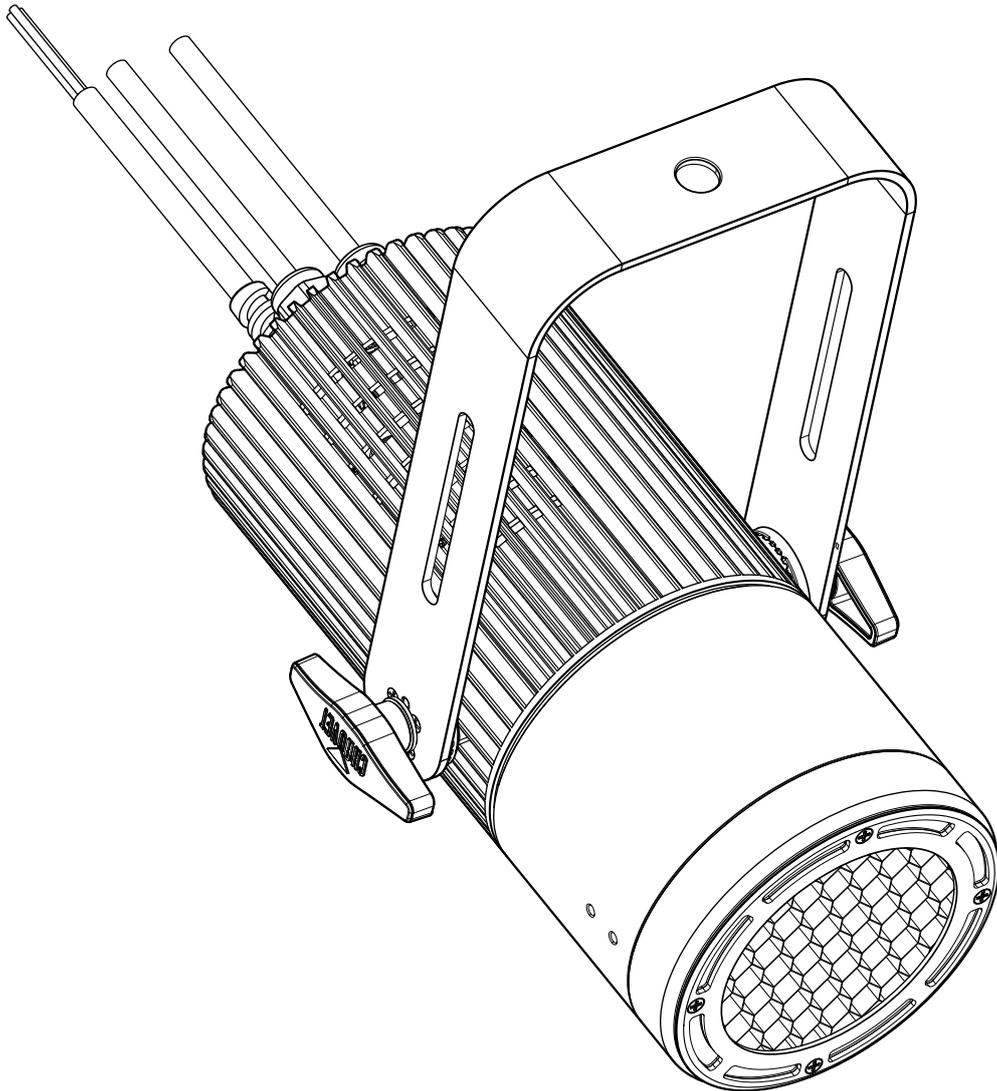


OVATION

H-55FC

Quick Reference Guide

English	EN
Español	ES
Français	FR
Deutsche	DE
Nederlands	NL



Model ID: OVATIONH55FCBLK
OVATIONH55FCWHT


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About This Guide

The Ovation H-55FC Quick Reference Guide (QRG) has basic product information such as connection, mounting, menu options, and DMX values.

Disclaimer

The information and specifications contained in this QRG are subject to change without notice.

LIMITED WARRANTY

FOR WARRANTY REGISTRATION AND COMPLETE TERMS AND CONDITIONS PLEASE VISIT OUR WEBSITE.

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

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

Chauvet warrants that this product shall be free from defects in material and workmanship under normal use, for the period specified in, and subject to the exclusions and limitations set forth in the full limited warranty on our website. This warranty extends only to the original purchaser of the product and is not transferable. To exercise rights under this warranty, you must provide proof of purchase in the form of an original sales receipt from an authorized dealer that shows the product name and date of purchase. THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES. This warranty gives you specific legal rights. You may also have other rights that vary from state to state and country to country. This warranty is valid only in the United States, United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, Germany and Mexico. For warranty terms in other countries, please consult your local distributor.

Safety Notes

These Safety Notes include important information about installation, use, and maintenance.

- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 8 m is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or his service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
- The luminaire is intended for professional use only.
- DO NOT open this product. It contains no user-serviceable parts.
- DO NOT look at the light source when the product is on.
- 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.
- 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.
- CAUTION: This product's housing may be hot when lights are operating.
- Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- DO NOT leave any flammable material within 50 cm of this product while operating or connected to power.
- USE a safety cable when mounting this product overhead.
- DO NOT operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it. (IP20)
- DO NOT operate this product if the housing, lenses, or cables appear damaged.
- DO NOT connect this product to a dimmer or rheostat.
- ONLY connect this product to a grounded and protected circuit.
- ONLY use the hanging/mounting bracket to carry this product.
- In the event of a serious operating problem, stop using immediately.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
- The minimum ambient temperature is -4 °F (-20°C). Do not operate the product at lower temperatures.

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.

RF Exposure Warning for North America, and Australia

Warning! This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Contact

Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact your distributor to request support or return a product. Refer to [Contact Us](#) at the end of this QRG for contact information.

What is Included

- Ovation H-55FC
- 65°, 40°, and 25° lens
- 80° filter
- Egg crate
- Recess and Sconce Mounting Kits
- Quick Reference Guide

AC Power

This product has an auto-ranging power supply that can work with an input voltage range of 100–240 VAC, 50/60 Hz.

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



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.

Replacing the Fuse

1. Disconnect the product from power.
2. Using a flat head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove blown fuse and replace with a good fuse of the same type and rating.
4. Screw the fuse holder cap back in place and reconnect power.

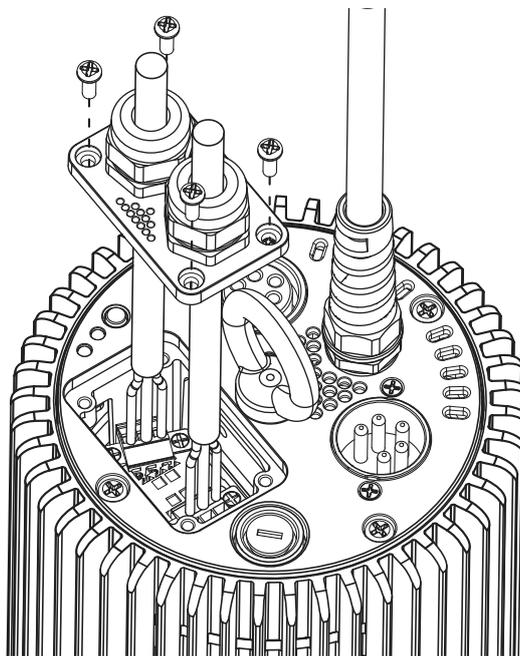
DMX Linking

The Ovation H-55FC will work with a DMX controller using a wireless, 5-pin serial or hard-wired connection. A DMX Primer is available from www.chauvetprofessional.com.

DMX Connection

The Ovation H-55FC uses a 5-pin DMX or hard-wired connection for its DMX personalities: **3Ch, 5Ch, 7Ch, 10Ch, 12Ch, 13Ch, 16Ch**, and **HSV**.

DMX Hard-Wire Diagram



Master/Slave Connection

The Ovation H-55FC uses the DMX data connection for its Master/Slave mode.

RDM (Remote Device Management)

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer as not all DMX controllers have this capability. The Ovation H-55FC supports RDM protocol that allows feedback to make changes to menu map options.

Wireless Operation

In optimal conditions, the Ovation H-55FC can operate up to 300 m (900 ft) away from the W-DMX transmitter. The W-DMX receiver in the Ovation H-55FC must be paired with the W-DMX transmitter for wireless operation.

Initial Setup

1. Turn the W-DMX transmitter on.
2. Connect the W-DMX transmitter to a DMX controller.
3. Place the Ovation H-55FC within 300 m from the W-DMX transmitter.
4. Disconnect any DMX connection from the Ovation H-55FC.
5. Power the Ovation H-55FC on.

Wireless Configuration

To configure the wireless mode, press and hold the button next to the indicator lights.

Mode	Wireless Indicator Light	Description
OFF	Green/Red lights off	Product is off
RECEIVE MODE	Green light flashing slowly	In Receiving Mode
	Red light off	Waiting for wireless connection
	Red light on	Receiving DMX input from W-DMX transmitter
	Red light flashing slowly	Connected to W-DMX transmitter but not receiving signal
	Red light flashing quickly	Connected to W-DMX transmitter but signal is weak.

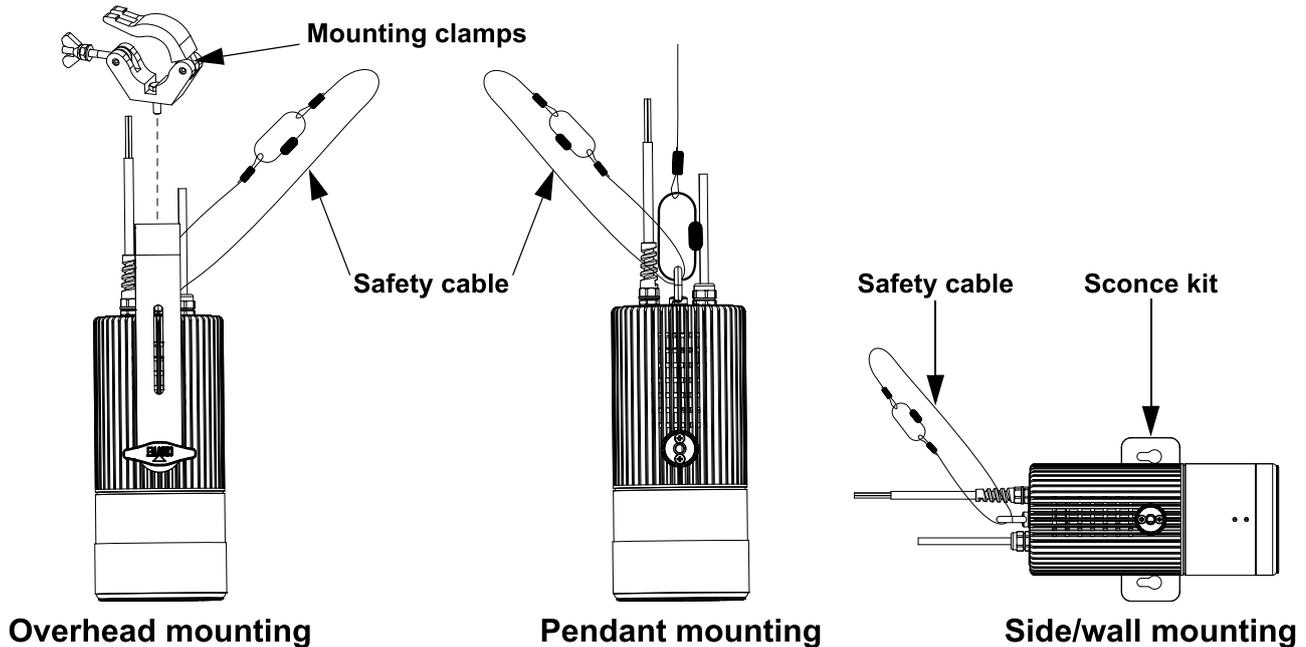


W-DMX operation can be interrupted or inhibited by liquid masses between the transmitter and receiver such as water, snow, or people. For best results, keep the area between the transmitter and receiver clear of any liquid masses.

Mounting

Before mounting this product, read the [Safety Notes](#). Make sure the mounting clamps are capable of supporting the weight of the product. For our Chauvet line of mounting clamps, go to <http://trusst.com/productcategory/truss-clamps/>.

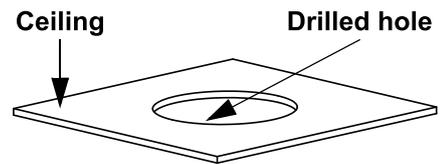
Mounting Diagram



Houselight Recess Kit Installation

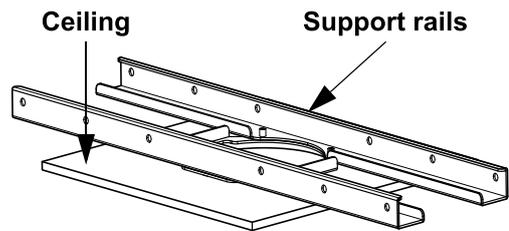
Follow the instructions below to install an Ovation H-55FC product using the houselight recess kit.

1. Drill a 145–160 mm hole in the ceiling.

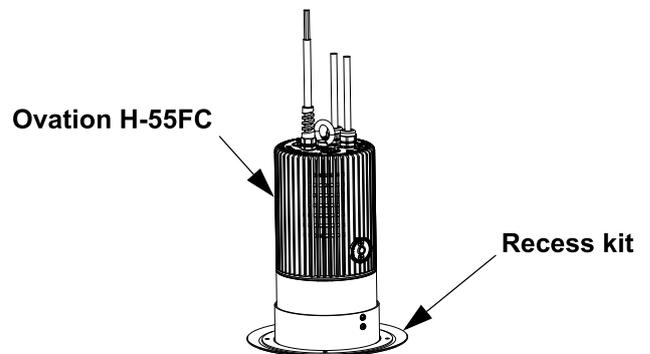


Ensure that the ceiling can support the weight of the product and associated hardware before installing.

2. Attach the support rails to the ceiling.

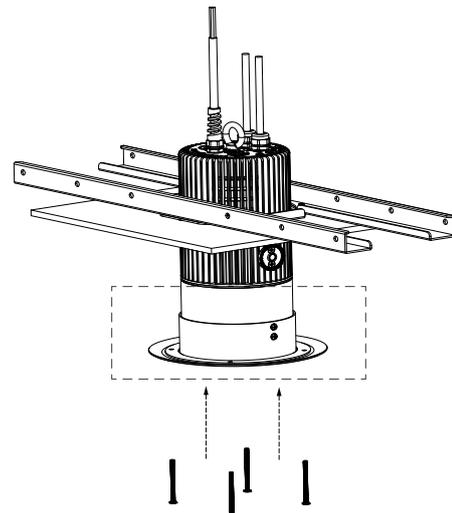


3. Attach the recess kit to the product.



When using the recess kit, the product must be installed into a plenum space with adequate open space for ventilation. Installing into confined spaces with no airflow is not permitted.

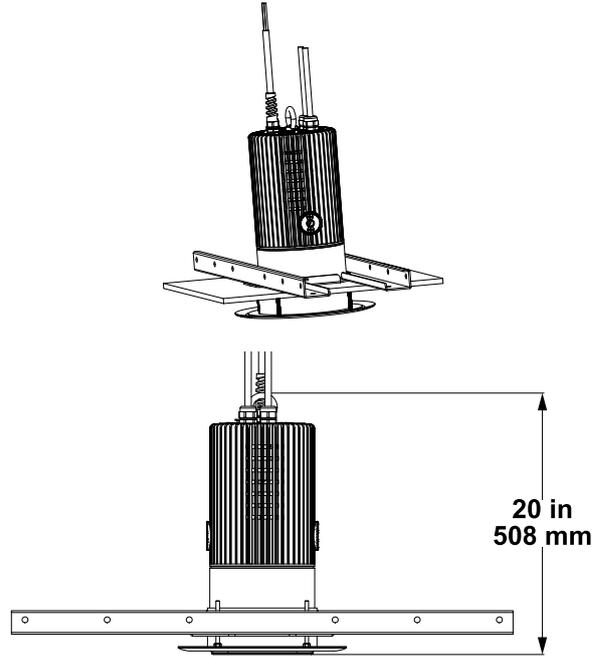
4. Attach the product to the ceiling using M4 screws (x4).



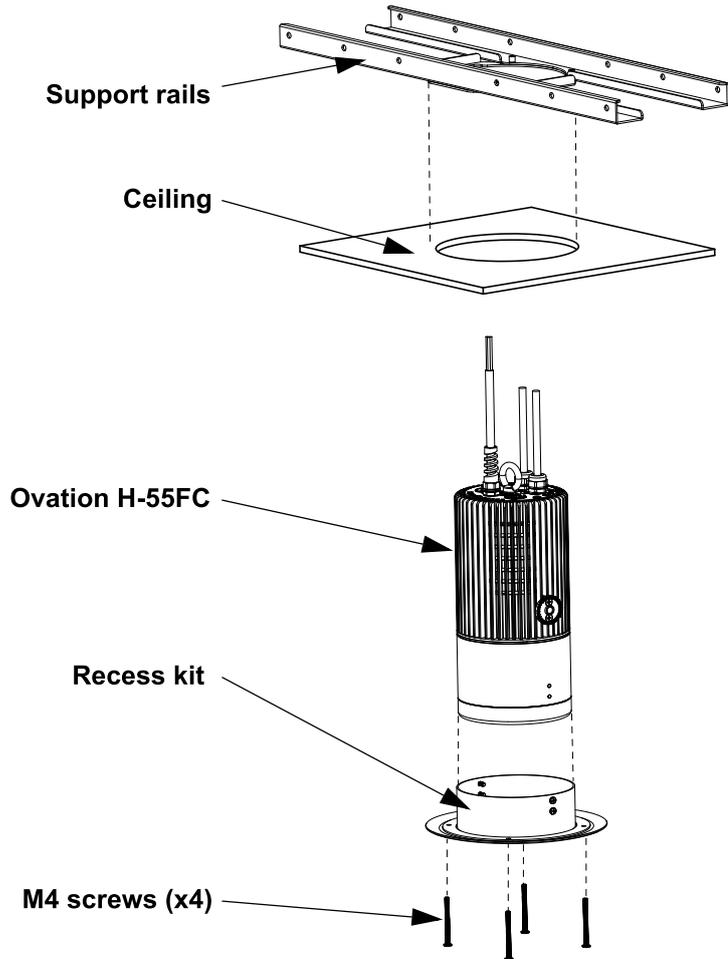
5. Setup is finished.



A Distance of at least 20 in (508 mm) from wall to ceiling, in all directions, is required when installing the recess kit.



Exploded View of Installation



Virtual Color Wheel

The Ovation H-55FC includes a feature called the Virtual Color Wheel (VCW). This feature is available as a stand-alone control mode for manual use and also as a control channel in select DMX personalities. Over 30 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. Adjust the overall intensity of the Ovation fixture in order to more closely replicate familiar colors. 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 Value	Color	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005		000	000	000	000	000
006 ⇔ 013	C3050-Md Yellow	210	255	003	255	157
014 ⇔ 021	C3040-Lt Yellow	244	167	010	216	213
022 ⇔ 028	C3240-Amb Yellow	208	105	000	255	234
029 ⇔ 035	C2340-VLt Amber	254	049	026	255	255
036 ⇔ 043	C2040-Lt Amber	255	046	020	255	255
044 ⇔ 051	C2050-Md Amber	255	027	002	255	126
052 ⇔ 059	C2060-Dk Amber	255	008	002	255	098
060 ⇔ 067	C1050-Lt Red	255	021	003	000	000
068 ⇔ 075	C1080-Md Red	255	000	001	000	000
076 ⇔ 083	C1020-NC Pink	255	255	051	255	016
084 ⇔ 091	C1030-Md Pink	255	205	051	255	000
092 ⇔ 099	C1630-Dk Pink	255	148	060	255	214
100 ⇔ 107	C1250-Md Red Amber	255	000	008	255	004
108 ⇔ 115	C1060-Dk Red Amber	255	000	011	110	000
116 ⇔ 121	C1650-Magenta	255	052	050	255	041
122 ⇔ 130	C6170-Dk Magenta	255	000	075	034	000
131 ⇔ 138	C6020-Lt Lavender	090	117	077	255	255
139 ⇔ 146	C5030-Lt Blue	000	255	123	006	255
147 ⇔ 154	C5020-VLt Blue	023	255	126	061	255
155 ⇔ 162	C5430-Lt Blue2	000	255	116	000	255
163 ⇔ 170	C5070-Blue	000	255	139	000	033
171 ⇔ 178	C5050-Md Blue	000	255	128	048	033
179 ⇔ 186	C5060-Dk Blue	000	255	174	000	039
187 ⇔ 194	C5690-Indigo	002	024	255	055	001
195 ⇔ 202	C5080-VDk Blue	000	255	229	000	000
203 ⇔ 210	C5081-VdK Blue2	000	237	255	000	024
211 ⇔ 218	C4370-Yel Green	000	255	005	017	010
219 ⇔ 226	C4070-Green	042	255	010	010	001
227 ⇔ 234	C4550-Turquoise	000	255	046	016	255
235 ⇔ 242	C4560-Aqua	015	255	053	017	167
243 ⇔ 250	C4570-Blue Green	000	255	025	000	028
251 ⇔ 255		000	000	000	000	000



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

Color Temperature Chart

DMX Value	Color Temperature	Red Value	Green Value	Blue Value	Amber Value	Lime Value
000 ⇔ 005		000	000	000	000	000
006 ⇔ 025	2800K	152	133	050	255	255
026 ⇔ 050	3000K	139	149	061	255	255
051 ⇔ 075	3200K	124	163	069	255	255
076 ⇔ 100	3500K	117	196	080	255	255
101 ⇔ 125	4000K	101	232	105	255	255
126 ⇔ 150	4500K	091	255	122	210	249
151 ⇔ 175	5000K	076	255	130	180	238
176 ⇔ 200	5600K	065	255	143	163	222
201 ⇔ 225	6000K	058	255	150	155	219
226 ⇔ 250	6500K	053	255	157	146	212
251 ⇔ 255		000	000	000	000	000

 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.

Menu Map

Refer to the Ovation H-55FC product page on www.chauvetprofessional.com for the latest menu map.



RDM2go, or another RDM-capable interface, is required to access these settings.

Main Level	Programming Levels	Description
DMX Address	1–512*	Selects DMX address (*highest channel restricted to personality chosen)
DMX Channel	3CH	3-channel: dimmer, VCW, color temperature
	5CH	5-channel: RGBAL
	7CH	7-channel: dimmer, RGBAL, strobe
	10CH	10-channel: 16-bit dimmer, RGBAL, strobe, VCW, color temperature
	12CH	12-channel: dimmer, RGBAL, strobe, VCW, color temperature, auto program and speed, control
	13CH	13-channel: 16-bit dimmer, 16-bit RGBAL
	16CH	16-channel: 16-bit dimmer, 16-bit RGBAL, strobe, VCW, color temperature, control
	HSV	3-channel: hue, saturation, value
Dimmer Curve	S-Curve	S-curve
	Linear	Linear curve
	Square	Square law curve
	Inverse Square	Inverse square law curve
Dimmer Mode	OFF	Instantaneous dimmer
	Dimmer 1–3	Dimmer mode 1 (fast) to 3 (slow)
LED Frequency	600Hz	Sets the PWM frequency
	1200Hz	
	2000Hz	
	4000Hz	
	6000Hz	
Factory Default	No	Resets the product to factory default settings
	Yes	

Main Level	Programming Levels			Description	
Specific PIDS	1	82C8	Clean All Data	0	No
				1	Yes
	2	8218	Static-Red	0–255	Combine red, green, blue, amber, and lime to make a custom color (0–100%).
	3	8219	Static-Green	0–255	
	4	8220	Static-Blue	0–255	
	5	8221	Static-Amber	0–255	
	6	8222	Static-Lime	0–255	
	7	8209	Auto Show	0–5	
	8	8210	Auto Speed	1–100	Sets program speed
	9	8211	Master/Slave	0	Master mode
				1	Slave mode
	10	8212	W-DMX On/Off	0	W-DMX off
				1	W-DMX on
	11	8215	Receive Reset	0	Do not reset receiver
				1	Reset receiver
	12	8216	Emergency Mode	0	Emergency mode off
				1	Emergency mode on
	13	8200	White Balance-Red	125–255	Sets red LED maximum value
14	8201	White Balance-Green	125–255	Sets green LED maximum value	
15	8202	White Balance-Blue	125–255	Sets blue LED maximum value	
16	8204	White Balance-Amber	125–255	Sets amber LED maximum value	
17	8205	White Balance-Lime	125–255	Sets lime LED maximum value	
18	82BC	Red Shift	0	Red shift off	
			1	Red shift on	

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%

16Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Fine Dimmer	000 ⇔ 255	0–100% (16-bit)
3	Red	000 ⇔ 255	0–100%
4	Fine red	000 ⇔ 255	0–100% (16-bit)
5	Green	000 ⇔ 255	0–100%
6	Fine green	000 ⇔ 255	0–100% (16-bit)
7	Blue	000 ⇔ 255	0–100%
8	Fine blue	000 ⇔ 255	0–100% (16-bit)
9	Amber	000 ⇔ 255	0–100%

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Channel	Function	Value	Percent/Setting
10	Fine amber	000 ⇔ 255	0–100% (16-bit)
11	Lime	000 ⇔ 255	0–100%
12	Fine lime	000 ⇔ 255	0–100% (16-bit)
13	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast
14	Virtual Color Wheel	000 ⇔ 255	See Virtual Color Wheel Chart
15	Color Temperature	000 ⇔ 255	See Color Temperature Chart
16	Control (hold for 3 seconds)	000 ⇔ 007	No function
		008 ⇔ 015	Dimmer reset
		016 ⇔ 023	Red shift on
		024 ⇔ 031	Red shift off
		032 ⇔ 039	S-curve dimmer
		040 ⇔ 047	Linear dimmer
		048 ⇔ 055	Square dimmer curve
		056 ⇔ 063	Inverse square dimmer curve
		064 ⇔ 071	Dimmer speed mode OFF
		072 ⇔ 079	Dimmer speed 1 (fastest)
		080 ⇔ 087	Dimmer speed 2
		088 ⇔ 095	Dimmer speed 3 (slowest)
		096 ⇔ 255	Reserved for future use

13Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Fine Dimmer	000 ⇔ 255	0–100% (16-bit)
3	Red	000 ⇔ 255	0–100%
4	Fine red	000 ⇔ 255	0–100% (16-bit)
5	Green	000 ⇔ 255	0–100%
6	Fine green	000 ⇔ 255	0–100% (16-bit)
7	Blue	000 ⇔ 255	0–100%
8	Fine blue	000 ⇔ 255	0–100% (16-bit)
9	Amber	000 ⇔ 255	0–100%
10	Fine amber	000 ⇔ 255	0–100% (16-bit)
11	Lime	000 ⇔ 255	0–100%
12	Fine lime	000 ⇔ 255	0–100% (16-bit)
13	Strobe	000 ⇔ 010	No function
		011 ⇔ 255	Strobe, slow to fast

12Ch

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	Virtual Color Wheel	000 ⇔ 255	See Virtual Color Wheel Chart
9	Color Temperature	000 ⇔ 255	See Color Temperature Chart

Channel	Function	Value	Percent/Setting
10	Automatic Program	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 (Auto programs 1-4)
11	Program Speed	000 ⇔ 255	Automatic program speed, slow to fast
12	Control (hold for 3 seconds)	000 ⇔ 007	No function
		008 ⇔ 015	Dimmer reset
		016 ⇔ 023	Red shift on
		024 ⇔ 031	Red shift off
		032 ⇔ 039	S-curve dimmer
		040 ⇔ 047	Linear dimmer
		048 ⇔ 055	Square dimmer curve
		056 ⇔ 063	Inverse square dimmer curve
		064 ⇔ 071	Dimmer speed mode OFF
		072 ⇔ 079	Dimmer speed 1 (fastest)
		080 ⇔ 087	Dimmer speed 2
		088 ⇔ 095	Dimmer speed 3 (slowest)
		096 ⇔ 255	Reserved for future use

10Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0–100%
2	Fine dimmer	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	No function
		011 ⇔ 255	Strobe, slow to fast
9	Virtual Color Wheel	000 ⇔ 255	See Virtual Color Wheel Chart
10	Color Temperature	000 ⇔ 255	See Color Temperature Chart

7Ch

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

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%

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3Ch

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇄ 255	0–100%
2	Virtual Color Wheel	000 ⇄ 255	See Virtual Color Wheel Chart
3	Color Temperature	000 ⇄ 255	See Color Temperature Chart

Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
13.14 in (334 mm)	6.92 in (176 mm)	4.52 in (115 mm)	7.4 lb (3.4 kg)

Note: Dimensions in inches are rounded.

Power

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

Parameter	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz
Consumption	62 W	64 W	64 W
Operating current	0.541 A	0.308 A	0.278 A
Fuse	T2 A, 250 V	T2 A, 250 V	T2 A, 250 V

Power I/O	US/Canada	UK/Worldwide
Fixed Power Cord	Bare-wired	Bare-wired

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Red	6	2.62–5.25 W	840 mA	50,000 hours
	Green	6			
	Blue	6			
	Amber	4			
	Lime	4			

Photometrics

Filter/Lens	Beam Angle	Field Angle	Illuminance @ 5 m
80° filter	46.1°	76.8°	152 lux
65° lens	63.3°	86.9°	115 lux
45° lens	38.8°	78.4°	173 lux
25° lens	24.7°	46.7°	430 lux

Thermal

Minimum External Temp.	Maximum External Temp.	Cooling
-4 °F (-20 °C)	113 °F (45 °C)	Convection

DMX

I/O Connector	Channel Range
5-pin XLR, W-DMX	3Ch, 5Ch, 7Ch, 10Ch, 12Ch, 13Ch, 16Ch, or HSV

Ordering

Product	Item Name	Item Code	UPC Number
Ovation H-55FC (black)	OVATIONH55FCBLK	03031727	781462220754
Ovation H-55FC (white)	OVATIONH55FCWHT	03031726	781462220747