



Edition Notes	The OVATION [™] E-190WW User Manual Rev. 3 covers the description, safety precautions, installation, programming, operation, and maintenance of the OVATION [™] E-190WW. CHAUVET® released this edition of the OVATION [™] E-190WW User Manual in March 2014.			
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Document Revision	The OVATION [™] E-190WW User Manual Rev. 3 supersedes all previous versions of this manual. Discard any older versions of this manual and replace with this version. Go to www.chauvetprofessional.com for the latest version.			
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1. Before You Begin

What is Included

- OVATION™ E-190WW
- · Neutrik® powerCON® power cord
- Gel Frame (6.25 in/159 mm accessories)
- · Safety Cable
- · Warranty Card
- · Quick Reference Guide
- **Claims** Carefully unpack the product immediately and check the box 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 in the text
	50/60	A set of mutually exclusive values in the text
	<set></set>	A button on the product's control panel
	Settings	A product function or a menu option
	MENU>Settings	A sequence of menu options
	1–10	A range of menu values from which to choose in a menu
	Yes/No	A set of two mutually exclusive menu options in a menu
	ON	A unique value to be entered or selected in a menu
Symbols	Symbols	Meaning
Symbols	Symbols	MeaningCritical installation, configuration, or operation information.Failure to comply with this information may cause the product not to work, damage third-party equipment, or cause harm to the operator.
Symbols	Symbols $\widehat{}$ $\widehat{}$	Critical installation, configuration, or operation information. Failure to comply with this information may cause the product not to work, damage third-party equipment, or cause harm to the
Symbols	Symbols $\widehat{(}$ $\widehat{(})$ $\widehat{(}$	Critical installation, configuration, or operation information. Failure to comply with this information may cause the product not to work, damage third-party equipment, or cause harm to the operator. Important installation or configuration information. Failure to

digital data transmission protocol.



Product at a Glance	Use on Dimmer	X	Auto Programs	×
	Outdoor Use	X	Auto-Ranging Power Supply	Р
	Sound-Active	×	Replaceable Fuse	Р
	DMX	Р	User-Serviceable	×
	Master/Slave	Р	Duty Cycle	×
Safety Notes	Read all the following Safety Notes before working with this product. These notes include 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 CHAUVET® certified technicians. Do not open the housing or attempt any repairs.			
(i)	All applicable local product.	codes and regu	lations apply to proper in	stallation of this
Personal Safety				
Mounting and Rigging Power and Wiring Operation	 Avoid direct eye exposure to the light source while the product is on. Always disconnect this product from its power source before servicing. Always connect this product to a grounded circuit to avoid the risk of electrocution. Do not touch this product's housing during operation because it may be very hot. This product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose this product to rain or moisture. 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 this product while it is operating. When hanging this product, always secure to a fastening device using a safety cable (included). Use caution when loosening the barrel rotation knobs. If these knobs become too loose, the barrel assembly may inadvertently separate from the reflector housing. Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label. Never disconnect this product to a dimmer pack or rheostat. Never disconnect this product by pulling or tugging on the power cable. Do not operate this product by an authorized technician at once. Do not cover the ventilation slots when operating to avoid internal overheating. 			of electrocution. ay be very hot. r shock, do not 20 in (50 cm) while it is using a safety obs become too filector housing. oltage in ct's specification cable. nses, or cables. once. overheating.
	In the unlikely even CHAUVET® Technic		VET® product may require	service, contact
Expected LED Lifespan	LEDs gradually declin clusters, LEDs exhi conditions. For this re reduces the LEDs' lif 50,000 hours. If exter improving the ventilat	he in brightness ov bit higher operati eason, using cluste fespan. Under norn ending this lifespar tion around the pro range. In addition,	ver time, mostly because of ing temperatures than in ered LEDs at their fullest int mal conditions, this lifespan in is vital, lower the operatin oduct and reducing the ambie limiting the overall projection	ideal, single-LED ensity significantly can be 40,000 to og temperature by ent temperature to

2. Introduction

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Description
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The OVATION[™] E-190WW delivers an excellent white light with a warm color temperature and a beautiful flat field. It also features standard beam shaping shutters, a gobo/effect slot and lens barrels that are interchangeable with other popular ERS fixtures. Selectable dimming curves ensure smooth fading cues that intermix well with the output of conventional theatre ellipsoidals.

Features · Warm white LED ERS-style lighting product

- Operating modes:
 - 1-channel (UNO): dimmer control
 - 2-channel (DOS): dimmer and fine dimmer control
 - 3-channel (STD.P): dimmer, fine dimmer, and strobe control
 - Accessory slot for motorized gobo devices and iris unit
 - · 16-bit dimming for smooth fades
 - · Flat, even field of light
 - · Comes with standard pattern slot for glass or steel patterns and soft focus diffuser
 - Virtually silent operation
 - · Works perfectly with industry standard lens tubes
 - Simple and complex DMX channel profiles for programming versatility
 - 3- and 5-pin XLR data input and output connectors
- Lens Tube The following lens tubes are available for purchase.
 - 19°
 - 26°
 - . 36°
 - 50°



Do not operate the OVATION™ E-190WW without a lens tube installed.







Dimensions



3. Setup

Setup

AC Power Each OVATION[™] E-190WW has an auto-ranging power supply that works with an input voltage range of 100~240 VAC, 50/60 Hz. To determine the power requirements for each OVATION[™] E-190WW, refer to the label affixed to the product. You can also refer to the <u>Technical Specifications</u> chart in this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, you may download Sizing Circuit Breakers from the CHAUVET® website <u>www.chauvetpro.com</u>.



Always connect this product to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.

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

AC Plug

The OVATION[™] E-190WW comes with a power input cord terminated with a Neutrik® powerCON® A connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with your product has no plug, or if you need to change the Edison plug, use the table below to wire the new plug to the power input cord.

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

Fuse Replacement



Make sure to disconnect the product's power cord before replacing a blown fuse.

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



4. Screw the fuse holder cap back in place and reconnect power.



Always replace the blown fuse with another of the same type and rating.



Power Linking	The OVATION [™] E-190WW supports power linking. You can power link up to 4 units on 120 V; up to 7 units on 208 V; or up to 8 units on 230 V. This product comes with a Neutrik® powerCON® input power cord. This product does not come with a power linking cable; however, a power linking cable is available as an option.
DMX Linking	You can link the OVATION [™] E-190WW to a DMX controller using a standard DMX serial connection. If using other DMX-compatible products with the OVATION [™] E-190WW, you can control each individually with a single DMX controller.
DMX Modes	 The OVATION[™] E-190WW uses the standard DMX data connection for the 1-, 2- and 3-channel DMX modes. Refer to the <u>Introduction</u> chapter for a brief description of these modes. Refer to the <u>Operation</u> chapter to learn how to configure the OVATION[™] E-190WW
	 to work in these modes. The <u>DMX Values</u> section provides you with detailed information regarding the DMX modes.
Master/Slave Connectivity	The Master/Slave mode allows a single OVATION [™] E-190WW (the "master") to control the actions of one or more OVATION [™] E-190WW units (the "slaves") without the need of a DMX controller to control the slaves. Once set and connected, the slaves will operate in unison with the master. For instructions on connecting and configuring this product, see <u>Master/Slave Mode</u> .
\mathbf{i}	DO NOT connect a DMX controller to products operating in Slave mode. The DMX controller signals may interfere with the signals from the master product.
	The <u>Operation</u> 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, master/slave connectivity, or the DMX cables needed to link this product to a DMX

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: <u>www.chauvetpro.com</u>.



Before mounting this product, read and follow the Safety Notes. Mounting Always mount this product in a safe position. The OVATION™ E-190WW may be Orientation mounted in any position; however, make sure there is adequate room for ventilation, configuration, and maintenance. CHAUVET® recommends using the following general guidelines when mounting this Rigging product. . When selecting an installation location, consider easy access to this product for operation, programming adjustments, and routine maintenance. Make sure to mount this product away from any flammable material as indicated in the Safety Notes. Never mount in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect the product. If hanging this product, make sure that the mounting location can support the product's weight. See the Technical Specifications for the weight-bearing requirements of this product. When hanging this product, always secure to a fastening device using a safety cable (included). Procedure The OVATION™ E-190WW comes with a hanging/mounting bracket to which you can attach mounting clamps. The bracket has 13-mm holes, which are appropriate for this purpose. You must supply your own mounting clamps, so be sure the clamps are capable of supporting the weight of this product. Use at least one mounting point per product where necessary. Mounting Clamp (works with CLP-15 or CLP-15N clamp from CHAUVET[®]) Hanging/Mounting Bracket Alternative Yoke Attachment **Mounting Diagram** Star Safety Cable (works with CH-05 Bracket cable from CHAUVET®) Adjustment Hand Shank

> Secure the safety cable using the passageway on the top of the product

Overhead Mounting

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Alternate Short Mounting



4. Operation

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Control Panel	Button	Function	
Description	<menu></menu>	Exits from the current menu or function	
	<enter></enter>	Activates the currently displayed menu option or sets the selected value in the current function	
	<up></up>	Scrolls up the list of menu options or increases the numeric value when in a function	
	<down></down>	Scrolls down the list of menu options or decreases the numeric value when in a function	
Control Options	You can set the starting address of the OVATION [™] E-190WW in the 001–512 DMX range. This enables control of up to 170 products in the 3-channel STD.P personality.		
Programming	Refer to the Menu Map for a description of your programming options. The menu menus shows the main level and a variable number of programming levels for each option.		
	 Press <menu> repeatedly to go to the desired main level. Press <enter and="" first="" for="" go="" level="" li="" main="" option.<="" programming="" that="" the="" to=""> Press <up> or <down> to scroll through the options or values within the programming level. When the desired option shows on the display, press < to select the option. If there are deeper programming levels, those options on the display.</down></up> Press <menu> repeatedly to exit to the previous level.</menu> </enter></menu>		



Menu Map

Main Level		Programm	ning Levels			Description	
DIM	D.000–D.100			Selects the amount of light output (0–100%)			
		DN	٨X			Receives DMX signals from the DMX controller	
RUN		SL	AV			Receives DMX signals from the master	
ADDR		D.001-	-D.512			Sets the DMX starting address	
	K	EY	O	FF		Sata ta kay laak (pagagada mada)	
			0	N		- Sets to key lock (passcode mode)	
			O	FF			
			DI	M1			
	DI	МХ	DI	M2		Selects dimmer speeds from fast (DIM1) to slow (DIM4) or OFF	
			DI	M3			
			DI	M4			
				FF			
	CU	CURV	CV1			Selects dimmer curves from small (CV1) to	
	CONV	CV2			large (CV3) or OFF		
			CV3				
			LIVE			Maintains LED cooling by balancing fan and power output level	
SET	PERF	STDO			Maintains LED cooling by limiting power output level		
			POWR			Maintains LED cooling by using fan and allowing full power output	
	SL	СК	OFF ON			- Sets menu-level access lock	
			UNO			1-channel DMX personality	
	PE	PERS		DOS		2-channel DMX personality	
			STD.P			3-channel DMX personality	
			BLAK			Blacks out fixture upon loss of DMX signals	
	DE	DERR		SAVE		Continues with last command upon loss of DMX signals	
	REST	**** (Enter Passcode)	REST		ок	Resets the fixture to factory defaults	
			SELF			No DMX signals are sent through DMX output	
	MCON		MAST			Sends DMX signals to OVATION™ E-190WW slaves	



DMX Values

UNO	Channel	Function	Value	Percent/Setting
-	1	Dimmer	000 ó 255	0–100%
DOS	Channel	Function	Value	Percent/Setting
	1	Dimmer	000 ó 255	0–100%
-	2	Dimmer Fine	000 ó 255	0–100%
STD.P	Channel	Function	Value	Percent/Setting
-	1	Dimmer	000 ó 255	0–100%
-	2	Dimmer Fine	000 ó 255	0–100%
-			000 ó 009	No function
			010 Ó 099	Strobe (slow to fast)
	3	Strobe	100 ó 109	No function
5	5	Oliobe		Lighting effect
			180 Ó 189	No function
			190 Ó 255	Random strobe

DMX Personality Set the DMX personality as follows.

- 1. Go to the SET main level.
- 2. Select the PERS programming level.
- 3. Select the desired personality: UNO (1-channel), DOS (2-channel), or STD.P (3-channel).



See the DMX Control 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.

DMX Control DMX Control allows you to assign each product to a unique starting address on the DMX controller. All products with the same starting address will respond in unison.

- 1. Select a DMX personality.
- 2. Set the running mode:
 - Go to the RUN main level.
 - Select DMX.

Note: For information on the SLAV option, see Master/Slave Mode.

- 3. Set the starting address:
 - Go to the ADDR main level.
 - Select the starting address D.001–D.512.

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

DMX	DMX	DMX	DMX	DMX	DMX
Mode	Address	Mode	Address	Mode	Address
UNO	512	DOS	511	STD.P	

Loss of Signal Setting

- This setting controls how the product responds when the DMX signal is lost.
- 1. Go to the SET main level.
- 2. Select the **DERR** programming level.
 - . Select **BLAK** to turn off the LEDs when the signal is lost.
 - Select **SAVE** to use the last command programmed when the signal is lost.



Dimmer - Menu Control	To adjust the light output of the OVATION [™] E-190WW, select the dimmer setting as follows.
Control	 Go to the DIM main level. Select the desired dimmer setting D.000–D.100 (0–100% light output).
Dimmer Speeds	 Select the dimmer speed of the OVATION[™] E-190WW by selecting the DIMX programming level. 1. Go to the SET main level. 2. Select the DIMX programming level. 3. Select a dimmer speed DIM1-DIM4 (fast to slow) or OFF (linear output).
	When selecting DIM1–DIM4, the output will correspond to the dimmer curve option selected under the dimmer curves programming level (CURV).
Dimmer Curves	 Select the dimmer curve of the OVATION[™] E-190WW by selecting the CURV programming level. These options simulate the dimmer curve of an incandescent lighting product. 1. Go to the SET main level. 2. Select the CURV programming level. 3. Select a dimmer curve CV1–CV3 (small to large) or OFF (linear output).
Control Panel Lock	 This setting enables you to activate or deactivate the control panel lock, which keeps non-authorized personnel from changing the product's settings. 1. Go to the KEY main level. 2. Select either ON (activate) or OFF (deactivate).
	When the control panel lock is activated, after 30 seconds of control panel inactivity or after turning on the product, the product will prompt you to enter the passcode.
Passcode	 After being prompted to enter the passcode: Press <up>, <down>, <up>, <down>, <enter>.</enter></down></up></down></up> Note: Asterisks (*) appear on the display when entering the passcode.

Menu Access Lock This setting enables you to activate or deactivate the menu access lock. Activating the menu access lock prevents non-authorized personnel from making any changes to the programming levels under the SET main level.

- 1. Go to the SET main level.
- 2. Go to the **SLCK** programming level.
- 3. Select either ON (activate) or OFF (deactivate).



When the menu access lock is activated, in order to access the SET programming levels, the product will prompt you to enter the passcode. Enter the passcode as described in Passcode.

PROFESSIONAL

Reset	To reset the OVATION™ E-190WW to the factory default settings, follow the instructions below.		
	 Go to the SET main level. Select the REST programming level and then the display becomes blank. Enter the passcode as described in <u>Passcode</u>. After successfully entering the passcode, REST blinks on the display during the reset process. 		
Performance Power Output Options	 OK appears on the display when finished. The OVATION[™] E-190WW offers three power output options during the cooling of the fixture's LEDs. Go to the SET main level. Select the PERF programming level. Select from the following options: Select LIVE to cool the LEDs by balancing the use of the fan and the power output level. Select STDO to cool the LEDs by maintaining the use of the fan and limiting the power output level. Select POWR to cool the LEDs by maintaining the use of the fan and allowing 		
Manual Beam Focus Control	full power output. The OVATION [™] E-190WW has a manual focus, which is adjusted as follows. 1. Locate the beam focus knobs at the top and bottom of the barrel assembly. 2. Loosen the knobs by turning them counter-clockwise.		
	 Slide the lens tube forward or backward until you achieve the desired focus or beam edge. Tighten the knobs by turning them clockwise, which lock the lens tube's position. 		
Rotating the Barrel Assembly	 The OVATION™ E-190WW allows manual rotation of the barrel assembly, as follows. Locate the barrel rotation knobs at the top and bottom of the reflector housing. Loosen the knobs by turning them counter-clockwise. Note: Do not remove the knobs. Rotate the barrel to the desired position, up to 25° in either direction from the 		
	 4. Tighten the knobs by turning them clockwise, which lock the barrel's position. 		
Í	Make sure the barrel assembly is oriented with the pattern holder and drop-in iris slots at the top of the product.		



Master/Slave Mode	The Master/Slave mode allows a single OVATION [™] E-190WW (the "master") to control the actions of one or more OVATION [™] E-190WW units (the "slaves") without the need of a DMX controller to control the slaves. The master will be set to operate in Master mode (MAST), while the slaves will be set to operate in Slave mode (SLAV). Once set and connected, the slaves will operate in unison with the master.				
	Configure the units as indicated below.				
	The Slaves:				
	1. Go to the RUN main level.				
	2. Select SLAV.				
	3. Connect the DMX input of the first slave to the DMX output of the master.				
	 Connect the DMX input of the subsequent slaves to the DMX output of the previous slave. 				
	5. Finish setting and connecting all the slaves.				
	The Master:				
	1. Go to the SET main level.				
	2. Select the MCON programming level.				
	3. Select MAST.				
	Note: If you select SELF , no DMX signals are sent to the slaves.				
	4. Make the master the first product in the DMX daisy chain.				
	5. Control the master using the DMX controller and the slaves will operate in unison.				
	Do not connect a DMX controller to the products configured for slave operation. The DMX controller may interfere with signals from the master.				
Drop-In Iris Slot	 The DMX controller may interfere with signals from the master. The OVATION™ E-190WW has a drop-in iris slot, which holds either a drop-in iris or a motorized pattern device, both optional (sold separately). Using a flat-head screwdriver, loosen the screws on the slot cover. 				
Drop-In Iris Slot	The DMX controller may interfere with signals from the master. The OVATION [™] E-190WW has a drop-in iris slot, which holds either a drop-in iris or a motorized pattern device, both optional (sold separately).				
Drop-In Iris Slot	 The DMX controller may interfere with signals from the master. The OVATION™ E-190WW has a drop-in iris slot, which holds either a drop-in iris or a motorized pattern device, both optional (sold separately). Using a flat-head screwdriver, loosen the screws on the slot cover. Note: Do not remove the screws. Slide to cover forward. 				
Drop-In Iris Slot	 The DMX controller may interfere with signals from the master. The OVATION™ E-190WW has a drop-in iris slot, which holds either a drop-in iris or a motorized pattern device, both optional (sold separately). Using a flat-head screwdriver, loosen the screws on the slot cover. Note: Do not remove the screws. Slide to cover forward. 				
Drop-In Iris Slot	 The DMX controller may interfere with signals from the master. The OVATION™ E-190WW has a drop-in iris slot, which holds either a drop-in iris or a motorized pattern device, both optional (sold separately). Using a flat-head screwdriver, loosen the screws on the slot cover. Note: Do not remove the screws. Slide to cover forward. Insert the iris or motorized pattern device. 				
Drop-In Iris Slot	 The DMX controller may interfere with signals from the master. The OVATION[™] E-190WW has a drop-in iris slot, which holds either a drop-in iris or a motorized pattern device, both optional (sold separately). Using a flat-head screwdriver, loosen the screws on the slot cover. Note: Do not remove the screws. Slide to cover forward. Insert the iris or motorized pattern device. Note: Make sure the iris handle extends upward from the slot. 				
Drop-In Iris Slot	 The DMX controller may interfere with signals from the master. The OVATION™ E-190WW has a drop-in iris slot, which holds either a drop-in iris or a motorized pattern device, both optional (sold separately). Using a flat-head screwdriver, loosen the screws on the slot cover. Note: Do not remove the screws. Slide to cover forward. Insert the iris or motorized pattern device. Note: Make sure the iris handle extends upward from the slot. Slide the cover back. Make sure the iris handle moves freely. 				
Drop-In Iris Slot	 The DMX controller may interfere with signals from the master. The OVATION[™] E-190WW has a drop-in iris slot, which holds either a drop-in iris or a motorized pattern device, both optional (sold separately). Using a flat-head screwdriver, loosen the screws on the slot cover. Note: Do not remove the screws. Slide to cover forward. Insert the iris or motorized pattern device. Note: Make sure the iris handle extends upward from the slot. Slide the cover back. Make sure the iris handle moves freely. Tighten the screws to secure the cover. 				

When not using the iris slot, replace and secure the slot cover to prevent light leakage during operation.

When obtaining any optional iris accessories, be sure the items are compatible with the OVATION™ E-190WW.



5. Technical Information

Product Maintenance Dust build-up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life and mechanical wear. To maintain optimum performance and minimize wear, clean this product at least twice a month. However, usage and environmental conditions contribute to increased cleaning frequency.

To clean your product, follow the instructions below.

- · Unplug the product from power.
- Wait until the product is at room temperature.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents and components.
- Clean all external surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
- Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- Wipe any dirt or grime to the outside edges of the lens surface.
- · Gently polish the lens surfaces until they are free of haze and lint.

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Always dry the external surfaces thoroughly and carefully after cleaning them.



Cleaning the Reflector Housing Lens

The lens inside the reflector housing may need periodic cleaning. To gain access to this lens, do the following.

- 1. Separate the reflector housing from the barrel assembly by unscrewing the barrel rotation knobs.
- 2. Use a Phillips screwdriver to remove the lens from its fixed cover, if necessary.
- 3. Clean the lens as described in Product Maintenance.



Take great care not to damage the LEDs and circuit board, which will now be exposed inside the reflector housing.



To remove the lens tube (sold separately), unscrew the beam focus knobs. Follow any maintenance and cleaning instructions supplied with the lens tube.



Always close the framing shutters when transporting or storing the product.

Technical Information

Dimensions and	Length	Width	Height		Weight		
Weight (fixture only)	21.5 in (545 mm)	15 in (380 mm)	15 in (380 mi	m) 16.4	lb (7.44 kg)		
()	Note: Dimensions in inche	Note: Dimensions in inches rounded to the nearest decimal digit.					
Power	Power Supply Type	Ra	Range		Voltage Selection		
	Switching (internal)	Switching (internal) 100 to 240 VAC, 50/60 Hz		Auto-ranging			
	Parameter	120 V, 60 Hz		230 V, 50 Hz			
	Consumption	208	208 W		200 W		
	Operating current	1.7	1.7 A		0.9 A		
	Power linking current (uni	ts) 8 A (4	8 A (4 units)		8 A (8 units)		
	Fuse	T 3.15 /	T 3.15 A, 250 V		T 3.15 A, 250 V		
	Power I/O	U.S./Wo	U.S./Worldwide		Europe		
	Power input connector	Neutrik® po	Neutrik® powerCON® A		Neutrik® powerCON® A		
	Power output connector	Neutrik® po	Neutrik® powerCON® B		Neutrik® powerCON® B		
	Power cord plug	Edisor	Edison (U.S.)		Local plug		
Light Source	Туре	Ро	Power		Lifespan		
	LED	10	10 W		50,000 hours		
	Color	Qua	Quantity		Current		
	Warm White	1	19		2.8 A		
Photo Optic	Parameter	19° Lens	26° Lens	36° Lens	50° Lens		
	Illuminance @ 5 m (19°	4,380 lx	2,743 lx	1,578 lx	624 lx		
	Beam angle	16°	20°	26°	40°		
	Field angle	19°	26°	34°	48°		
Thermal	Max. External Temperatu	ire Cooling	Cooling System				
	113 °F (45 °C)	Fan-Assiste	Fan-Assisted Convection				
DMX	I/O Connectors	Connec	Connector Type		Channel Range		
	3- and 5-pin XLR	Soc	Sockets		1, 2 or 3		
Ordering	Product Name	ltem	Item Code		UPC Number		
	OVATION™ E-190WW	0112	01120650		781462209988		
					RoHS		
		UL	1573				
	(1	MET ® cs.	A C22.2 No. 166				
	cV.		13093				

Technical Specifications





You must send the product prepaid, in the original box, and with the original packing and Returns 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.



DO NOT write the RMA number directly on the box. Instead, write it on a properly affixed label.

Once you have received the RMA number, include the following information on a piece of paper inside the box:

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

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

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

Contact Us WORLD HEADQUARTERS - CHAUVET®

General Information

Address:	5200 NW 108 th Avenue
	Sunrise, FL 33351
Voice:	(954) 577-4455
Fax:	(954) 929-5560
Toll free:	(800) 762-1084

Technical Support

Technical Support

Email:

Voice: (954) 577-4455 (Press 4) (954) 756-8015 Fax. Email: tech@chauvetlighting.com

World Wide Web www.chauvetlighting.com

World Wide Web www.chauvetlighting.co.uk

uktech@chauvetlighting.com

UNITED KINGDOM AND IRELAND - CHAUVET® Europe Ltd.

General Information

Address: Unit 1C **Brookhill Road Industrial Estate** Pinxton, Nottingham, UK **NG16 6NT** +44 (0)1773 511115 Voice: +44 (0)1773 511110

MEXICO - CHAUVET® Mexico

General Information

Fax:

Voice:

Address: Av. Santa Ana 30 Parque Industrial Lerma Lerma, Mexico C.P. 52000 +52 (728) 285-5000

Technical Support servicio@chauvet.com.mx Email:

World Wide Web www.chauvet.com.mx

Outside the U.S., United Kingdom, Ireland, or Mexico, contact your dealer. Follow their instructions to request support or to return a product. Visit our website for contact details.