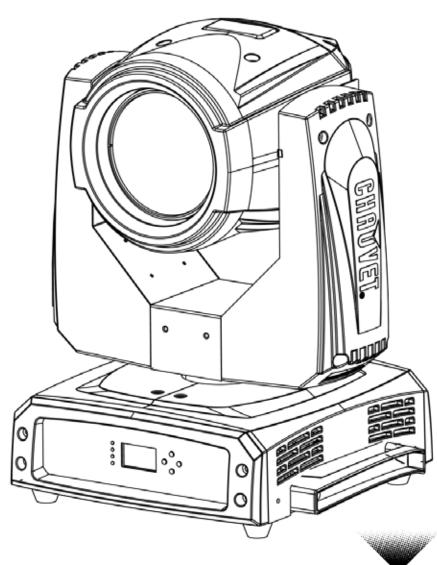


User Manual







Edition Notes

The Legend™ 230SR Beam User Manual Rev. 5 covers the description, safety precautions, installation, programming, operation, and maintenance of the Legend™ 230SR Beam. Chauvet released this edition of the Legend™ 230SR Beam User Manual in April 2015.

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Document Printing

For best results, print this document in color, on letter size paper (8.5 x 11 inches), double sided. If using A4 paper (210 x 297 mm), configure your printer to scale the content accordingly.

Disclaimer

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Document Revision

The Legend™ 230SR Series User Manual, Rev. 5, supersedes all previous versions of this manual. Please discard any older versions of this manual you may have, whether in printed or electronic format, and replace them with this version.

Author	Date	Editor	Date
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1. Before You Begin

What Is Included · Legend™ 230SR Beam

- Neutrik® powerCON® power cord (bare-wire)
- · 2 Omega brackets with mounting hardware
- · 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
<u>^</u>	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.
(i)	Important installation or configuration information. Failure to comply with this information may keep the product from working.
	Useful information.



The term "DMX" used throughout this manual refers to the USITT DMX512-A digital data transmission protocol.

Product at a Glance

Use on Dimmer	X	Auto Programs	Р
Outdoor Use	×	Auto-Ranging Power Supply	Р
Sound-Activated	X	Replaceable Fuse	Р
DMX	Р	User-Serviceable	X
Master/Slave	X	Duty Cycle	X





Product must be placed so that any objects being hit by the beam of light are at least 40 feet (12.2 meters) away!

Safety Notes

Please read the following Safety Notes carefully before starting to work with the product. These notes provide important safety information about the installation, usage, and maintenance.



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.



Please refer to all applicable local codes and regulations for the proper installation of the product.

Personal Safety

- · Avoid direct eye exposure to the light source while the product is on.
- Do not turn product on without a lamp!
- · 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.

Mounting and Rigging

- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture.
- This product weighs 41.3 lb (18.73 kg). Always ask for help when mounting this
 product to avoid personal injuries or damage to the product.
- 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.
- · 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.
- · Always carry this product by the handles. Do not carry from the head.

Power and Wiring

- 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.
- 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 this 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 you see damage to the housing, lenses, ultraviolet filter, 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.
- Do not aim this product toward the Sun. The lenses could concentrate the solar energy and cause internal overheating.
- Do not aim this product toward fire sprinkler head or alarms. The beam could heat up the sensors causing them to go off.
- Mount this product in a location with adequate ventilation, at least 40 ft (12.2 m) from objects to be lit.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at a higher temperature.
- In case of a serious operating problem, stop using this product immediately!



In the unlikely event that your Chauvet product may require service, contact Chauvet Technical Support.



2. Introduction

Product Description

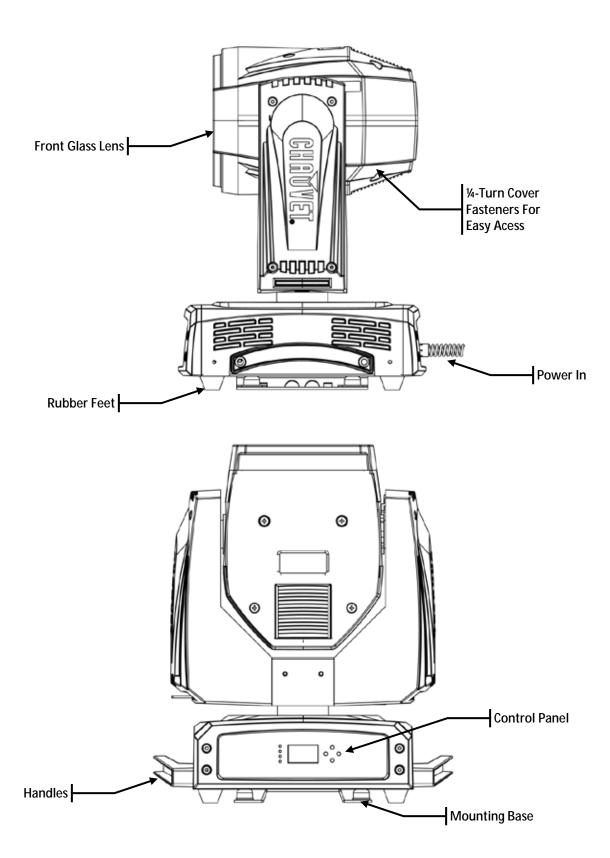
The Legend™ 230SR Beam is a compact, electronic, moving yoke beam product equipped with a 230 W HID lamp. It includes a color wheel with 14 slots plus open. It also includes a rotating 8-facet prism, remote focus, and one gobo wheel with 17 static gobos plus open.

Features

- · Compact, moving yoke beam fixture with a zoomable prism and motorized focus
- · Uses an Osram Sirius 230 W lamp source with a rated 2,500-hour lamp life
- Precision-designed optics for hard-edged beam effects
- · Extremely quiet for operation in any situation
- · Fast and precise pan/tilt
- · Color wheel:
 - 14 colors + Open
 - CTO Split/linear colors
 - Rainbow color spin at variable speed
- Gobo wheel:
 - 17 gobos + Open
 - Gobo wheel spin at variable speed
- · Variable frost
- 8-facet rotating prism with zoom for stunning effects
- Lightweight and easy to hang
- · DMX channels: 15 or 18
- Pan: 540°
- Tilt: 270°
- Reset over DMX
- Electronic power supply
- Mechanical dimmer
- · 3- and 5-pin DMX input and output connectors

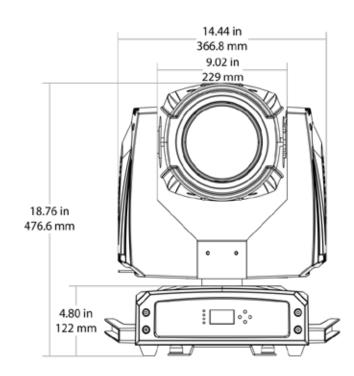


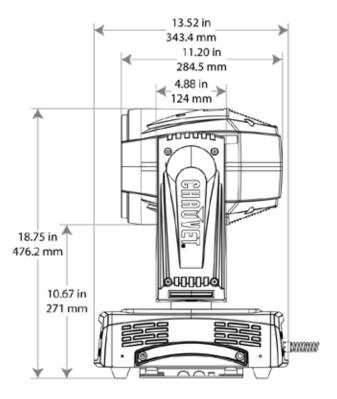
Product Overview

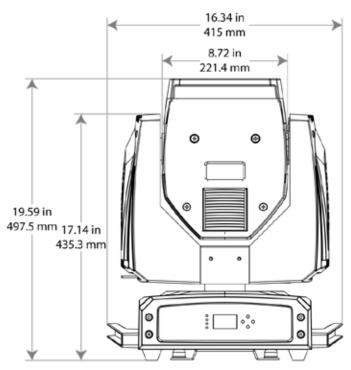


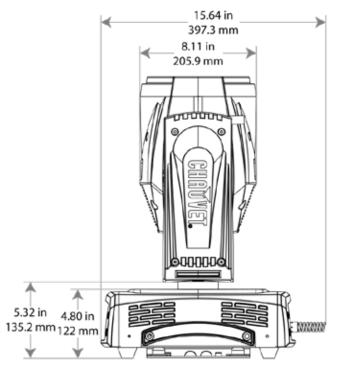


Product Dimensions











3. Setup

AC Power

Each Legend[™] 230SR Beam 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 Legend[™] 230SR Beam, refer to the label affixed to the product. You can also refer to the Technical Specifications.

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: www.chauvetprofessional.com.



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

To eliminate unnecessary wear and improve its lifespan, during periods of nonuse completely disconnect the product from power via breaker or by unplugging it.



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 Plua

The Legend™ 230SR Beam comes with a bare-ended power input cord. The product side of this power cord enters the product through a strain reliever (rubber boot) and it cannot be disconnected from the product. Use the table below to wire the plug to the power cord.

Connection	onnection 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



Make sure to disconnect the product's power cord before replacing a blown fuse. Always replace with a fuse of the same type and rating.

Fuse Replacement

- 1. Disconnect this product from power.
- Using a Phillips #2-head screwdriver, unscrew the fuse holder cap from the housing.
- 3. Remove the blown fuse and replace with a fuse of the same type and rating (T 5 A, 250 V).
- 4. Screw the fuse holder cap back in place and reconnect power.

DMX Linking

You can link the Legend[™] 230SR Beam to a DMX controller using a standard DMX serial connection. If using other DMX compatible products with the Legend[™] 230SR Beam, you can control each individually with a single DMX controller.

DMX Modes

The Legend™ 230SR Beam uses the standard DMX data connection for the 15 and 18 channel DMX modes.

- · Refer to the Introduction for a brief description of these modes.
- Refer to <u>Operation</u> to learn how to configure the Legend[™] 230SR Beam to work in these modes.
- The <u>DMX Values</u> section will provide detailed information regarding the DMX modes.

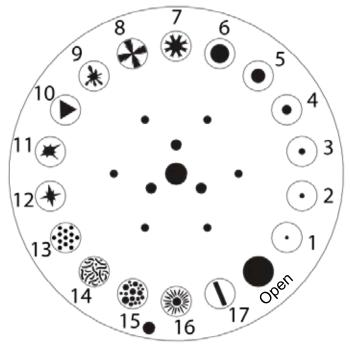


If you are not familiar with or need more information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.



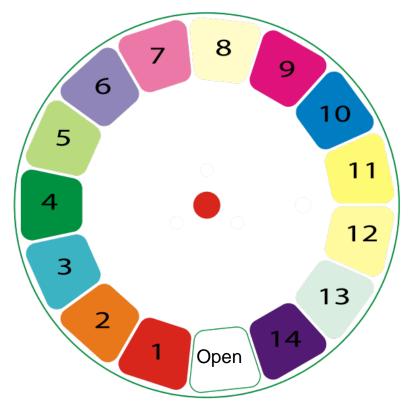
Gobo Wheel

The Legend™ 230SR Beam includes one gobo wheel with 17 fixed gobos. The diagram shows the gobo number on the wheel, as numbered in the DMX Values tables.



Color Wheel

The Legend™ 230SR Beam includes one color wheel with 14 fixed colors, as indicated below. The diagram shows the color number on the wheel, as numbered in the DMX Values tables.





Lamp Replacement

The Legend™ 230SR Beam is equipped with an Osram Sirius 230W lamp. Follow the procedure below to safely change the lamp.



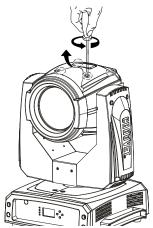
Disconnect the product from the AC power before opening.

Procedure

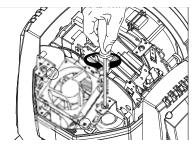
Do not turn product on without a lamp!



1. Turn the product off and disconnect it from power. Wait at least 15 minutes for the lamp to cool down.



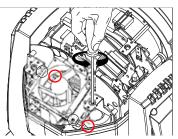
2. Remove both head covers by removing 8 Phillips-head ¼-turn screws.



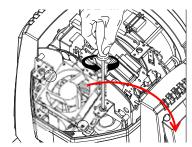
3. Orient the bottom of the moving head so that the fan is facing upward.



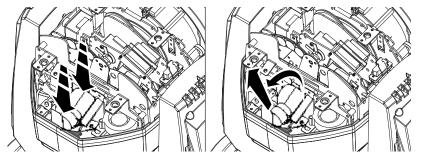
Procedure (cont.)



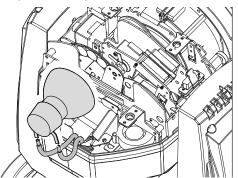
4. Remove the 2 Phillips-head screws on the sides of the fan assembly.



5. Roll the fan assembly to the right to expose the lamp.



6. Using the lamp base, push the lamp down against the spring clips located on the bottom, then roll the lamp out the top.



- 7. Remove the 2 wires connected to the lamp by the spade connectors.
- 8. Reverse the steps above to install the new lamp.

Increasing the Lamp's Life

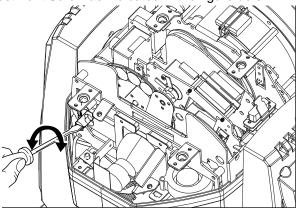
- ALWAYS turn the lamp off by using the DMX controller or the product's control panel, then wait at least 5 minutes before switching off the product. This will keep the fans running to extract any remaining heat from the product's head.
- DO NOT power cycle the product unless it is necessary.
- DO NOT touch the lamp without wearing gloves to avoid leaving grease on the bulb or on the contacts that could reduce the lamp's life.
- ALWAYS change the lamp when it has reached its recommended lifespan to avoid the risk of lamp explosion.



Lamp Adjustment

The Legend™ 230SR Beam allows for lamp adjustment or "bench focusing". Follow the procedure below to safely adjust the lamp.

- 1. Follow steps 1 and 2 of the Lamp Replacement Procedure.
- 2. Turn product on.
- 3. Orient the bottom of the moving head so that the fan is facing upward using DMX or as explained in Manual Fixture Test.
- 4. Locate the Adjustment Screw as indicated in the figure below:



- 5. Turn the Adjusting Screw while viewing the light on a flat white surface to find desired focus.
- 6. Turn the product off and disconnect it from power. Wait at least 15 minutes for the lamp to cool down.
- 7. Re-attach both head covers by replacing all 8 Phillips-head ¼-turn screws.



Mounting

Before mounting this product, read and follow the <u>Safety Notes</u>. For our Chauvet line of mounting clamps, go to http://trusst.com/products/.

Orientation

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

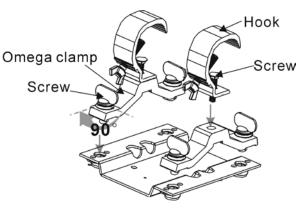
Rigging

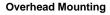
Chauvet recommends the following general guidelines when mounting this product.

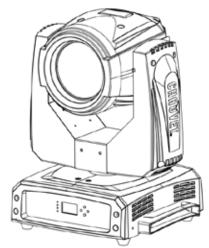
- When selecting an installation location, consider easy access to this product for operation, programming adjustments, and routine maintenance.
- Make sure to mount this product away from any flammable material as indicated in the Safety Notes.
- Never mount in places where rain, high humidity, extreme 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. Refer to the <u>Technical Specifications</u> chart for the weight-bearing
 requirements of this product.
- · When hanging this product, always secure to a fastening device using a safety cable.

The Legend™ 230SR Beam comes with a preinstalled mounting bracket to which you will be able to attach the 2 included omega clamps. Use two mounting points per product. In addition, use a safety cable to link the product to the structure.









Floor Mounting



4. Operation

Control Panel **Description**

Button	Function
<menu></menu>	Exits from the current menu or function
<enter></enter>	Enables the currently displayed menu or sets the currently selected value in to the current function
<up></up>	Navigates upward through the menu list and increases the numeric value when in a function
<down></down>	Navigates downward through the menu list and decreases the numeric value when in a function

LCD Display

The Legend™ 230SR Beam features a backlit liquid crystal display (LCD) that provides information regarding the product's settings and status. In addition, the LCD can be inverted. This allows ease of reading the display whether the product is positioned on the floor or hanging from a truss.

Upon power up, the LCD will show the Legend logo and the product identification. After completing the power up tests, the LCD will show the DMX address, the DMX mode, and the temperature, along with a warning sign if the tests have detected an error.



Press <ENTER> to read the corresponding error message (see Error Messages in the **Technical Information** section).

To clear the error messages, press <ENTER> while they show on the display.

Control Options

You can set the Legend™ 230SR Beam start address in the 001-512 DMX range. This allows for the control of up to 28 products in the 18-channel Mode 2. The Legend™ 230SR Beam works with any compatible DMX controller using standard DMX cables.

Programming

Carry out all the programming procedures indicated below from the control panel. Refer to the Menu Map page to learn how the menu options relate to each other.

Navigation Buttons

- To enter programming mode, press < MENU> until you see one of the Main Level
- To highlight a menu option or to change a setting, press **<UP>** or **<DOWN>**.
- To change menu levels as shown in the Menu Map, press <ENTER> or <MENU>. This is equivalent to moving right and left of the Menu Map, respectively.
- To accept the current or new value, press **<ENTER>**.
- To return to the previous menu without making changes, press **<MENU>**.
- To exit programming mode, press <MENU> until you see one of the Main Level options or do not press any button for 30 seconds.

DMX Functions

From the Main Menu, highlight **DMX Functions** and press **<ENTER>** (a new menu with the DMX functions will open).

DMX Address

- Highlight DMX Address.
- 2. To change the current address, press **<ENTER>**.
 - a. Change the starting address (001–512).
 - b. Accept the new value.

- DMX Mode 1. Highlight DMX Channel Mode.
 - 2. To change the current mode, press **<ENTER>**.
 - a. Select a DMX mode (Mode 1/Mode 2).
 - b. Accept the selected option.



- View DMX Values 1. Highlight View DMX Value.
 - 2. Press <ENTER>.
 - a. Scroll along the list to see the values of all the current attributes.
 - b. Return to the previous menu.



The list will show either 15 or 18 attributes, depending on the current DMX mode.

Product Settings

From the Main Menu, highlight **Fixture Settings** and press **<ENTER>**.

- Reverse Pan Direction 1. Highlight Pan Inverse.
 - To reverse the pan direction, press <ENTER>.
 - a. Select **YES** to reverse the pan direction or **NO** to use the normal pan direction.
 - b. Accept the selected option.

- Reverse Tilt Direction 1. Highlight Tilt Inverse.
 - 2. To reverse the tilt direction, press **<ENTER>** (a pop-up window will open).
 - a. Select **YES** to reverse the tilt direction or **NO** to use the normal tilt direction.
 - b. Accept the selected option.

- P/T Feedback 1. Highlight P/T Feedback.
 - 2. To select whether the product will auto correct itself when pan/ tilt is knocked out of position, press <ENTER>.
 - a. Select **YES** to turn on the auto correct or **NO** to turn off the auto correct.
 - b. Accept the selected option.

- Head Motion Blackout 1. Highlight Bl.o P/T Moving.
 - 2. To black out the output when the head moves, press **<ENTER>**.
 - a. Select **YES** to black out the output when the head tilts or pans, or **NO** to keep the output on while the head moves.
 - b. Accept the selected option.

Color Change Blackout

- 1. Highlight Bl.o Color Change.
- To black out the output when the color wheel changes, press **<ENTER>**.
 - a. Select YES to black out the output during a color change or NO to keep the output on to see the color changing.
 - b. Accept the selected option.

- Gobo Change Blackout 1. Highlight Bl.o Gobo Change.
 - 2. To black out the output when the gobo wheel changes, press **<ENTER>**.
 - a. Select YES to black out the output during a gobo change or NO to keep the output on to see the gobo changing.
 - b. Accept the selected option.

Lamp Settings From the Main Menu, highlight Lamp Settings and press <ENTER>.



The lamp will not turn on if the ambient temperature is 104° F (40° C) or higher.

- Lamp On/Off 1. Highlight On/Off.
 - 2. To turn the lamp on or off, press **<ENTER>**.
 - a. Select **ON** to turn the lamp on or **OFF** to turn the lamp off.
 - b. Accept the selected option.

- Lamp Status During Power 1. Highlight State/Power On.
 - On 2. To change the lamp status during power on, press **<ENTER>**.
 - a. Select ON to turn on the product and the lamp simultaneously or OFF to turn on the product without turning on the lamp.
 - b. Accept the selected option.



Remote Turn Off 1. Highlight Off Via DMX.

- 2. To enable/disable remote turn off, press **<ENTER>**.
 - a. Select YES to enable product turn off from either a DMX controller or its power switch, or **NO** to turn the product off only from its power switch.
 - b. Accept the selected option.

- Lamp On if DMX Present 1. Highlight On if DMX On.
 - 2. To turn the lamp on when DMX is present, press **<ENTER>**.
 - a. Select **YES** to turn the lamp on if DMX signal is present, or **NO** to turn the lamp on only from the control panel.
 - b. Accept the selected option.

- Lamp Off if DMX Absent 1. Highlight Off if DMX Off.
 - 2. To turn the lamp off when DMX is absent, press **<ENTER>**.
 - Select **YES** to turn the lamp off if DMX signal is absent, or **NO** to turn the lamp off only from the control panel.
 - b. Accept the selected option.

Lamp Strike Delay

- Highlight Ignition Delay.
- 2. To set the lamp strike delay, press **<ENTER>**.
 - a. Select the delay before the lamp strikes after power up in seconds (000-255S).
 - b. Accept the new value.

- Fixture Shut Off Delay 1. Highlight Low Power Delay.
 - 2. To set the lamp shut off delay, press **<ENTER>**.
 - a. Select the delay before the product powers off after lamp off in seconds (000-255S).
 - b. Accept the new value.

Display Settings From the Main Menu, highlight **Display Settings** and press **<ENTER>**.

Overturn Display

- 1. Highlight Display Inverse.
- 2. To overturn the display, press **<ENTER>**.
 - a. Select **YES** to turn the LCD around or **NO** to keep the normal LCD view.
 - b. Accept the selected option.

- LCD Backlight Off 1. Highlight Backlight Auto Off.
 - To configure the LCD backlight, press <ENTER>.
 - a. Select YES to automatically turn the LCD backlight off after 1 minute or NO to keep the LCD backlight always on.
 - b. Accept the selected option.

- Backlight Brightness 1. Highlight Backlight Intensity.
 - To set the backlight brightness, press **<ENTER>**.
 - Select the backlight brightness (1–10), 1 being the darkest and 10 the brightest.
 - b. Accept the new value.

- Temperature Unit 1. Highlight Temperature Unit.
 - 2. To select the temperature unit, press **<ENTER>**.
 - a. Select °C to show the temperature in the Celsius scale or °F to show the temperature in the Fahrenheit scale.
 - b. Accept the selected option.



Fixture Tests From the Main Menu, highlight Display Settings and press <ENTER>.

- Automatic Fixture Test 1. Highlight Auto Test.
 - 2. To start the built-in test sequence, press **<ENTER>**.



The automatic fixture test will end after 1 full cycle. You can stop the test by pressing <MENU>.

Manual Fixture Test

- 1. Highlight Manual Test and press <ENTER>.
- 2. Highlight the desired attribute.
- To change the value of the selected attribute, press **<ENTER>**.
 - a. Set the attribute value (000-255).
 - b. Accept the new value.
- 4. Repeat steps 2 and 3 for the other attributes.
- 5. When done with the test, exit to the previous menu (the values of all tested channels will go back to zero).

Fixture Information

From the Main Menu, highlight **Fixture Information** and press **<ENTER>**.

Fixture Operation Timer

1. Highlight **Fixture Use Time** (the accumulated product's operation time will show).



You cannot modify or reset the fixture operation timer.

Lamp Operation Timer

- 1. Highlight **Lamp On Time** (the accumulated lamp's operation time will show).
- 2. To reset the lamp operation timer, press **<ENTER>**.
 - Select Reset Time to reset the timer or Exit to exit without resetting.
 - b. Accept the selected option.

- Firmware Version 1. Highlight Firmware Version.
 - 2. To see the firmware versions installed, press **<ENTER>**.
 - a. The display will show the current firmware version for each of the four CPU boards (A through D) in the product.
 - b. Return to the previous menu.

Reset Functions From the Main Menu, highlight Reset and press <ENTER>.



You can leave this sub-menu at any time by pressing <MENU>.

- Pan/Tilt Reset 1. Highlight Pan/Tilt and press <ENTER>.
 - a. Select **YES** to reset the pan and tilt movements to their home positions.
 - b. Accept the selected option.

- Shutter/Prism Reset 1. Highlight Shutter/Prism and press <ENTER>.
 - a. Select **YES** to reset the shutter and the prism to their home positions.
 - b. Accept the selected option.



- Color Reset 1. Highlight Color and press <ENTER>.
 - Select YES to reset the color wheel and the CMY filters to their home positions.
 - b. Accept the selected option.

- Gobo Reset 1. Highlight Gobo and press <ENTER>.
 - a. Select **YES** to reset the gobo wheel to its home position.
 - b. Accept the selected option.

- Zoom/Frost/Focus Reset 1. Highlight Zoom/Frost/Focus and press <ENTER>.
 - a. Select **YES** to reset the zoom, focus, and frost to their home positions.
 - b. Accept the selected option.

- Reset All 1. Highlight All and press <ENTER>.
 - a. Select **YES** to reset all moving optical parts and the moving head to their home positions.
 - b. Accept the selected option.

Special Functions

From the Main Menu, highlight **Special Functions** and press **<ENTER>**.

Fixture Maintenance Timers

- 1. Highlight Fixture Maintenance and press <ENTER> (the current maintenance interval and remaining time will show).
- 2. To change the maintenance interval timer, highlight Interval and press <ENTER>.
 - a. Select the new interval **10–300h** (in hours).
 - b. Accept the new value.
- 3. To reset the counter for the remaining time, highlight Remain Time and press <ENTER>.
 - a. Select **Reset Time** to reset the timer or **Exit** to exit without resetting it.
 - b. Accept the selected option.



It is a good idea to use the Fixture Maintenance timer as a reminder to change the lamp.

Fixture Defaulting

- 1. Highlight Factory Setting and press <ENTER>.
 - a. Select YES to reset the product to factory default setting or NO to exit without resettina.

Offset Mode

The Offset mode provides fine adjustments for the home position of all the moving parts in the optical path as well as the pan and tilt movements. This way, when in their home position, the moving parts do not show any border or reduce the light output.

Entering Offset Mode

- 1. Press **<MENU>** to enter the regular Menu Mode.
- 2. Press <ENTER> for more than 3 seconds to enter the Offset mode (the Offset mode menu will show).
- Pan 1. Select Pan and press <ENTER>.
 - a. Select the new value (-128–127).
 - b. Accept the new value.
- Tilt 1. Select Tilt and press <ENTER>.
 - a. Select the new value (-128–127).
 - b. Accept the new value.



- Shutter 1. Select Shutter and press <ENTER>.
 - a. Select the new value (000-255).
 - b. Accept the new value.
 - Color 1. Select Color and press <ENTER>.
 - a. Select the new value (-128-127).
 - b. Accept the new value.
 - Gobo 1. Select Gobo and press <ENTER>.
 - a. Select the new value (-128–127).
 - b. Accept the new value.
 - Prism 1. Select **Prism** and press **<ENTER>**.
 - a. Select the new value (000–255) and press <ENTER>.
 - b. Accept the new value.
- R-Prism 1. Select R-Prism and press <ENTER>.
 - a. Select the new value (-128-127).
 - b. Accept the new value.
 - Zoom 1. Select Zoom and press <ENTER>.
 - a. Select the new value (000-255).
 - b. Accept the new value.
 - Focus 1. Select Focus and press <ENTER>.
 - a. Select the new value (000-255).
 - b. Accept the new value.
 - Frost 1. Select Frost and press <ENTER>.
 - a. Select the new value (000-255).
 - b. Accept the new value.



Menu Map

Main Level	Programming Levels		Description
	DMX Address	001–512	Selects a starting DMX address
DMX Functions	DMX Channel Mode	Mode 1 (15)	Selects the 15-channel DMX mode
DIVIA FUNCTIONS	DWA Channel Wode	Mode 2 (18)	Selects the 18-channel DMX mode
	View DM	IX Value	Shows current DMX values for each channel
	Pan Inverse	No	Defines the direction of the pan function
	i all lilverse	Yes	Defines the direction of the particular
	Tilt Inverse	No	Defines the direction of the tilt function
	THE HIVO100	Yes	Defines the direction of the the full discretion
	P/T Feedback	No	Defines auto correct function
Fixture Setting	17110000000	Yes	Dominos adio con con rancion
· man o oouning	Bl.o. P/T Moving	No	Defines the pan/tilt move-in-black delay
	g	Yes	Zeimee me panyam meve in Ziaen aeia,
	Bl.o. Color Change	No	Defines the color change move-in-black delay
	•	Yes	3
	Bl.o. Gobo Change	No	Defines the gobo change move-in-black delay
	0	Yes	, , , , , , , , , , , , , , , , , , ,
	On/Off	OFF	Turns lamp on/off
		ON	
	State/Power On	OFF	Defines the status of lamp when powering up
		ON	product
	Off Via DMX	No	Turns off the product via DMX controller
		Yes	
Lamp Setting	On if DMX On	No	Turns lamp on when DMX signal is detected
		Yes	
	Off if DMX Off	No	Turns lamp off when DMX signal is lost
		Yes	Only the description of delay had a constant a constant
	Ignition Delay	000-255S	Selects duration of delay between product power on and lamp power on
	Low Power Delay	000-255S	Selects the duration of delay when shutter is closed and lamp enters lower power state
	Dieplay Inverse	No	Defines the direction of the display
	Display Inverse	Yes	Defines the direction of the display
	Backlight Auto Off	No	Sets display backlight to always be on
Display Setting	Dacklight Auto Off	Yes	Sets display backlight to turn off after 1 minute
	Backlight Intensity	1–10	Selects backlight intensity from 1–10
	Temperature Unit	°C	Defines how temperature is displayed
	i emperature unit	°F	Domines flow temperature is displayed



Menu Map (cont.)

Main Level	Pro	ogramming Levels			Description
Fixture Test	Auto Test			Selects the product's automatic test sequence	
rixture rest		Manual Test			Selects the product's manual test function
	F	ixture U	se Time)	Displays total hours of product's use
Fixture Information	Lamp On Time			Exit	Displays the amount of time the lamp has been on
			R	eset Time	Resets lamp timer to 0
	F	irmware	Versio	n	Displays the firmware version
	Pan/Tilt			No	Deapte per/tilt functions to home position
	Pan/IIII			Yes	Resets pan/tilt functions to home position
	Shutter/Prism -		No Yes		Resets shutter/prism functions to home position
	Color		No Yes		Resets color wheel to home position
Reset Functions					
Reset Functions	Gobo		No Yes		Resets gobo wheel to home position
	Zoom/Frost/Focus		No		Resets zoom/frost/focus functions to home
	20011/71051/7	ocus	Yes		position
	All		No		Decete all functions to home position
	All		Yes		Resets all functions to home position
		Inte	rval	10–300 h	Defines number of hours between maintenance
	Fixture Maintenance	Remair	n Time	Exit	Shows amount of time remaining in maintenance cycle
Special Functions				Reset Time	Resets maintenance timer
	Factory Setting			No	Cata mandrest hands to default for town and the sec
				Yes	Sets product back to default factory settings



DMX Values

Mode 1

Channel	Function	Value	Percent/Setting
1	Pan	000 Ó 255	0–100%
2	Fine Pan	000 Ó 255	0–100%
3	Tilt	000 Ó 255	0–100%
4	Fine Tilt	000 Ó 255	0–100%
5	Pan/Tilt Speed	000 Ó 255	0–100%
6	Dimmer	000 Ó 255	0–100%
7	Shutter	000 \(\phi \) 007 008 \(\phi \) 015 016 \(\phi \) 131 132 \(\phi \) 167 168 \(\phi \) 203 204 \(\phi \) 239 240 \(\phi \) 247 248 \(\phi \) 255	No Function Open Slow to fast (strobe) Fast close/slow open Slow close/fast open Slow to fast (pulse effect) Random strobe Open
8	Color Wheel	000 6 004 005 6 008 009 6 012 013 6 016 017 6 020 021 6 024 025 6 028 029 6 032 033 6 036 037 6 040 041 6 044 045 6 048 049 6 052 053 6 056 057 6 060 061 6 127 128 6 189 190 6 193 194 6 255	Open Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11 Color 12 Color 13 Color 14 Index/split color Clockwise rotation, fast to slow Stop Counter-clockwise rotation, slow to fast
9	Gobo Wheel	000 \(\phi \) 003 004 \(\phi \) 006 007 \(\phi \) 009 010 \(\phi \) 012 013 \(\phi \) 015 016 \(\phi \) 018 019 \(\phi \) 021 022 \(\phi \) 024 025 \(\phi \) 027 028 \(\phi \) 030 031 \(\phi \) 033 034 \(\phi \) 036 037 \(\phi \) 039 040 \(\phi \) 042 043 \(\phi \) 045 046 \(\phi \) 048	Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Gobo 10 Gobo 11 Gobo 12 Gobo 13 Gobo 14 Gobo 15



Mode 1 (cont.)

Channel	Function	Value	Percent/Setting
9	Gobo Wheel (cont.)	049 Ó 051 052 Ó 055 056 Ó 059 060 Ó 063 064 Ó 067 068 Ó 071 072 Ó 075 076 Ó 079 080 Ó 083 084 Ó 087 088 Ó 091 092 Ó 095 096 Ó 099 100 Ó 103 104 Ó 107 108 Ó 111 112 Ó 115 116 Ó 119 120 Ó 123 124 Ó 127 128 Ó 189 190 Ó 193	Gobo 16 Gobo 17 Open shaking Gobo 1 shaking Gobo 2 shaking Gobo 3 shaking Gobo 4 shaking Gobo 5 shaking Gobo 6 shaking Gobo 7 shaking Gobo 8 shaking Gobo 10 shaking Gobo 11 shaking Gobo 12 shaking Gobo 12 shaking Gobo 13 shaking Gobo 13 shaking Gobo 14 shaking Gobo 15 shaking Gobo 15 shaking Gobo 15 shaking Gobo 16 shaking Gobo 17 shaking Gobo 18 shaking Gobo 19 shaking Gobo 19 shaking Gobo 10 shaking Gobo 10 shaking Gobo 10 shaking Gobo 11 shaking Gobo 12 shaking Gobo 15 shaking Gobo 15 shaking Gobo 16 shaking Gobo 17 shaking
10	Prism	000 Ó 004 005 Ó 255	No Function Prism effects
11	Prism Rotation	000 \(\times \) 127 128 \(\times \) 189 190 \(\times \) 193 194 \(\times \) 255	Index Clockwise rotation fast to slow Stop Counter-clockwise rotation slow to fast
12	Prism Zoom	000 ර 255	0–100%
13	Focus	000 Ó 255	0–100%
14	Frost	000 Ó 255	0–100%
15	Control	000 \(\phi \) 029 030 \(\phi \) 039 040 \(\phi \) 049 050 \(\phi \) 059 060 \(\phi \) 069 070 \(\phi \) 079 080 \(\phi \) 089 090 \(\phi \) 099 100 \(\phi \) 129 130 \(\phi \) 139 140 \(\phi \) 149 150 \(\phi \) 159 160 \(\phi \) 169 170 \(\phi \) 179 180 \(\phi \) 189 190 \(\phi \) 199 200 \(\phi \) 209	No Function Dimmer conventional mode Dimmer linear mode Pan/tilt fast mode Pan/tilt fast mode Pan/tilt blackout mode enabled Pan/tilt blackout mode disabled Color change blackout mode enabled Color change blackout mode disabled Gobo change blackout mode enabled Gobo change blackout mode disabled Lamp on Pan/tilt reset Color reset Gobo reset Shutter/prism reset No Function Frost/focus/zoom reset Reset all



Mode 1	
(cont.)	

Channel	Function	Value	Percent/Setting
15	Control (cont.)	230 ó 239	Enable all movement blackout modes Disable all movement blackout modes Lamp off No Function

Mode 2

	(cont.)	230 O 239 240 Ó 255	Lamp off No Function
Channel	Function	Value	Percent/Setting
1	Pan	000 Ó 255	0–100%
2	Fine Pan	000 Ó 255	0–100%
3	Tilt	000 Ó 255	0–100%
4	Fine Tilt	000 Ó 255	0–100%
5	Pan/Tilt Speed	000 Ó 255	0–100%
6	Dimmer	000 Ó 255	0–100%
7	Fine Dimmer	000 Ó 255	0–100%
8	Shutter	000 6 007 008 6 015 016 6 131 132 6 167 168 6 203 204 6 239 240 6 247 248 6 255	No Function Open Slow to fast (strobe) Fast close/slow open Slow close/fast open Slow to fast (pulse effect) Random strobe Open
9	Color Wheel	000 \(\times \) 004 005 \(\times \) 008 009 \(\times \) 012 013 \(\times \) 016 017 \(\times \) 020 021 \(\times \) 024 025 \(\times \) 032 033 \(\times \) 036 037 \(\times \) 040 041 \(\times \) 044 045 \(\times \) 048 049 \(\times \) 052 053 \(\times \) 056 057 \(\times \) 060 061 \(\times \) 127 128 \(\times \) 189 190 \(\times \) 193 194 \(\times \) 255	Open Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11 Color 12 Color 13 Color 14 Index/split color Clockwise rotation, fast to slow Stop Counter-clockwise rotation, slow to fast
10	Gobo Wheel	000 \(\phi \) 003 004 \(\phi \) 006 007 \(\phi \) 009 010 \(\phi \) 012 013 \(\phi \) 015 016 \(\phi \) 018 019 \(\phi \) 021 022 \(\phi \) 024 025 \(\phi \) 027 028 \(\phi \) 030	Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9



Mode 2

Channel	Function	Value	Percent/Setting
10	Gobo Wheel (cont.)	031 6 033 034 6 036 037 6 039 040 6 042 043 6 045 046 6 048 049 6 051 052 6 055 056 6 059 060 6 063 064 6 067 068 6 071 072 6 075 076 6 079 080 6 083 084 6 087 088 6 091 092 6 095 096 6 099 100 6 103 104 6 107 108 6 111 112 6 115 116 6 119 120 6 123 124 6 127 128 6 189 190 6 193 194 6 255	Gobo 10 Gobo 11 Gobo 12 Gobo 13 Gobo 14 Gobo 15 Gobo 16 Gobo 17 Open Gobo 1 shaking Gobo 2 shaking Gobo 3 shaking Gobo 4 shaking Gobo 5 shaking Gobo 6 shaking Gobo 7 shaking Gobo 9 shaking Gobo 10 shaking Gobo 11 shaking Gobo 11 shaking Gobo 12 shaking Gobo 13 shaking Gobo 13 shaking Gobo 13 shaking Gobo 13 shaking Gobo 14 shaking Gobo 15 shaking Gobo 15 shaking Gobo 15 shaking Gobo 17 shaking Counter-clockwise rotation, fast to slow Stop Clockwise rotation, slow to fast
11	Prism	000 Ó 004 005 Ó 255	No Function Prism Effects
12	Prism Rotation	000 \(\delta \) 127 128 \(\delta \) 189 190 \(\delta \) 193 194 \(\delta \) 255	Index Clockwise rotation, fast to slow Stop Counter-clockwise rotation, slow to fast
13	Prism Zoom	000 Ó 255	0–100%
14	Focus	000 Ó 255	0–100%
15	Frost	000 Ó 255	0–100%
16	Pan/Tilt Macro	000 \(\phi \) 007 008 \(\phi \) 015 016 \(\phi \) 023 024 \(\phi \) 031 032 \(\phi \) 039 040 \(\phi \) 047 048 \(\phi \) 055 056 \(\phi \) 063 064 \(\phi \) 071 072 \(\phi \) 079 080 \(\phi \) 087	No Function Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10



Mode 2 (cont.)

Channel	Function	Value	Percent/Setting
16	Pan/Tilt Macro (cont.)	088 \(\phi \) 095 096 \(\phi \) 103 104 \(\phi \) 111 112 \(\phi \) 119 120 \(\phi \) 127 128 \(\phi \) 135 136 \(\phi \) 143 144 \(\phi \) 151 152 \(\phi \) 159 160 \(\phi \) 167 168 \(\phi \) 175 176 \(\phi \) 183 184 \(\phi \) 191 192 \(\phi \) 199 200 \(\phi \) 207 208 \(\phi \) 215 216 \(\phi \) 223 224 \(\phi \) 231 232 \(\phi \) 239 240 \(\phi \) 247 248 \(\phi \) 255	Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17 Macro 18 Macro 19 Macro 20 Macro 21 Macro 22 Macro 23 Macro 24 Macro 25 Macro 25 Macro 26 Macro 27 Macro 28 Macro 29 Macro 30 Macro 31
17	Pan/Tilt Macro Speed	000 Ó 255	0–100%
18	Control	000 6 029 030 6 039 040 6 049 050 6 059 060 6 069 070 6 079 080 6 089 090 6 099 100 6 109 110 6 119 120 6 129 130 6 139 140 6 149 150 6 159 160 6 169 170 6 179 180 6 189 190 6 199 200 6 209 210 6 219 220 6 229 230 6 239 240 6 255	No Function Dimmer conventional mode Dimmer linear mode Pan/tilt fast mode Pan/tilt normal mode Pan/tilt blackout mode enabled Pan/tilt blackout mode disabled Color change blackout mode enabled Color change blackout mode disabled Gobo change blackout mode enabled Gobo change blackout mode disabled Lamp on Pan/tilt reset Color reset Gobo reset Shutter/prism reset No Function Frost/focus/zoom reset Reset all Enable all movement blackout modes Disable all movement blackout modes Lamp off No Function



5. Technical Information

Product Maintenance

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

As a rule, 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 your 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 and accessible internal components.
- 4. Clean all external optics and glass/plastic surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
- 5. Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- 6. Wipe any dirt or grime to the outside edges of the lens, glass, or plastic surfaces.
- 7. Gently polish the lenses until they are free of haze and lint.



Always dry the external optics, glass, and plastic surfaces thoroughly after cleaning them.



Refrain from spinning this product's fans using compressed air.

Technical Information



Error Messages

LITOI Wessages		
Message	Cause(s)	Action(s)
Lamp Startup Fail	The lamp has not started after being struck	Check lampCheck lamp socket and wiringSend product for repair
Temperature Sense Error	No communication with temperature sensor	Check sensor wiringCheck sensor integritySend product for repair
Lamp too Hot Low Power	Ambient temperature higher than 104 °C; lamp in low power for safety	Check fansCheck fan wiringClean vents
Lamp Too Hot Power Off	Ambient temperature higher than 110 °C; lamp off for safety	Check fansCheck fan wiringClean vents
Maintenance Fixture	Fixture Maintenance timer expired	· Proceed with maintenance and reset timer
Memory Initial Fail	Memory chip error	· Send product for repair
CPU-B Error CPU-C Error CPU-D Error	No communication with auxiliary CPU	Check sensor's wiring and positionSend product for repair
Pan Reset Error Pan Encode Error Tilt Reset Error Tilt Encode Error	Moving head failed to go to home position after power up or fixture reset	Check moving head's free movementCheck sensors' wiring and positionSend product for repair
Dimmer Reset Fail Color Reset Fail Gobo Reset Fail Focus Reset Fail Zoom Reset Fail Frost Reset Fail	Indicated moving part failed to go to its home position after power up or fixture reset	 Check part's free movement and integrity Check sensors' wiring and position Send product for repair



6. Technical Specifications

Dimensions and
Weight

Length	Width	Height	Weight
13.52 in (343.4 mm)	16.34 in (415 mm)	19.59 in (497.5 mm)	41.3 lb (18.73 kg)

Note: Dimensions in inches rounded to the nearest decimal digit.

	Note: Diffictions in mones rounded to the floarest desimal digit.				
Electrical	Power Supply Type	Range	Voltage Selection		
	Switching (internal)	100–240 V, 50/60 Hz	z Auto-ranging		
	Parameter	120 V, 60 Hz 2	08 V, 60 Hz 230 V, 50 Hz		
	Consumption	415 W	401 W 385 W		
	Operating / Inrush current	3.43 A	2.02 A 1.75 A		
	Fuse	T 5 A, 250 V T	T 5 A, 250 V T 5 A, 250 V		
	Power I/O	US/Worldwide	Europe		
	Power input connector	Hard Wire	Hard Wire		
	Power output connector	Open Wire	Open Wire		
	Power cord plug	N/A	N/A		
Light Source	Туре	Power	Lifespan		
	Osram Sirius 230 W Lamp	230 W	2,500 hours		
Photometrics	Parameter	Standard Optics			
	Illuminance @ 15 m	96,000 lx			
	Beam angle	2.25°			
Thermal	Max. External Temperature	Cooling System			
	113 °F (45 °C)	Fan-Assisted Convecti	on		
DMX	I/O Connectors	Connector Type	Channel Range		
	3- and 5-pin XLR	Sockets	15,18		
Ordering	Legend™ 230SR Beam	Item Code	UPC Number		
	Legend™ 230SR Beam	06010560	781462209087		





Returns

You must 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.



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
- The 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

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