COLORADO PXL CURVE 5

User Manual

Model ID: COLORADOPXLCURVE5

CHAUVET PROFESSIONAL

Edition Notes

The COLORado PXL Curve 5 User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the COLORado PXL Curve 5 as of the release date of this edition.

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Document Printing

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

Intended Audience

Any person installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.

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Document Revision

Go to www.chauvetprofessional.com for the latest version.

Revision	Date	Description
1	06/2026	Initial release.

TABLE OF CONTENTS

1. Before You Begin

What Is Included

- COLORado PXL Curve 5
- Seetronic Powerkon IP65 power cable
- 2 omega brackets with mounting hardware
- Quick Reference Guide

Claims

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate a 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.

Text Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified
<ENTER>	A key to be pressed on the product's control panel

Symbols

Symbol	Meaning
	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.

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

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

Connection of the control signal: DMX line

- **The product has XLR sockets for DMX input and output.**
- **Notice: This control circuit is isolated and belongs to the Class 2 data port.**

The control circuit has a cumulative leakage current of less than 3.5 mA.

Safety Notes

Read all the following safety notes before working with this product. These notes contain important information about the installation, usage, and maintenance of this product.

This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs.

All applicable local codes and regulations apply to proper installation of this product.

- The luminaire is intended for professional use only.
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 78.1 ft (23.8 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 its service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or its service agent or a similar qualified person.
- **CAUTION:**
  - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
  - When transferring the 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 the product to fully acclimate to the surrounding environment before connecting it to power.
  - Flashing light is known to trigger epileptic seizures. User must comply with local laws regarding notification of strobe use.
- **ALWAYS:**
  - Disconnect from power before cleaning the product or replacing the fuse.
  - When using an IP65-rated product in an outdoor environment, use IP65- (or higher) rated power and data cable.
  - Replace and secure IP-rated protective covers to all power, data, USB, or other ports when not in use.
  - Use a safety cable when mounting this product overhead.
  - Connect this product to a grounded and protected circuit.
- **DO NOT:**
  - Open this product. It contains no user-serviceable parts.
  - Look at the light source when the product is on.
  - Leave any flammable material within 2 m of this product while operating or connected to power.
  - Connect this product to a dimmer or rheostat.
  - Operate this product if the housing, lenses, or cables appear damaged.
  - Submerge this product (adhere to standards for the published IP rating). Regular outdoor operation is fine.
  - Permanently install outdoors in locations with extreme environmental conditions. This includes, but is not limited to:
    - Exposure to a marine/saline environment (within 3 miles of a saltwater body of water).
    - Locations where normal temperatures exceed the temperature ranges in this manual.
    - Locations that are prone to flooding or being buried in snow.
    - Other areas where the product will be subject to extreme radiation or caustic substances.
- ONLY use the hanging/mounting bracket to carry this product.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
- The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
- The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
- 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.
- In the event of a serious operating problem, stop using immediately.

If this Chauvet product requires service, contact Chauvet Technical Support.

FCC Statement of 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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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 20 cm between the radiator and the user. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Expected LED Lifespan

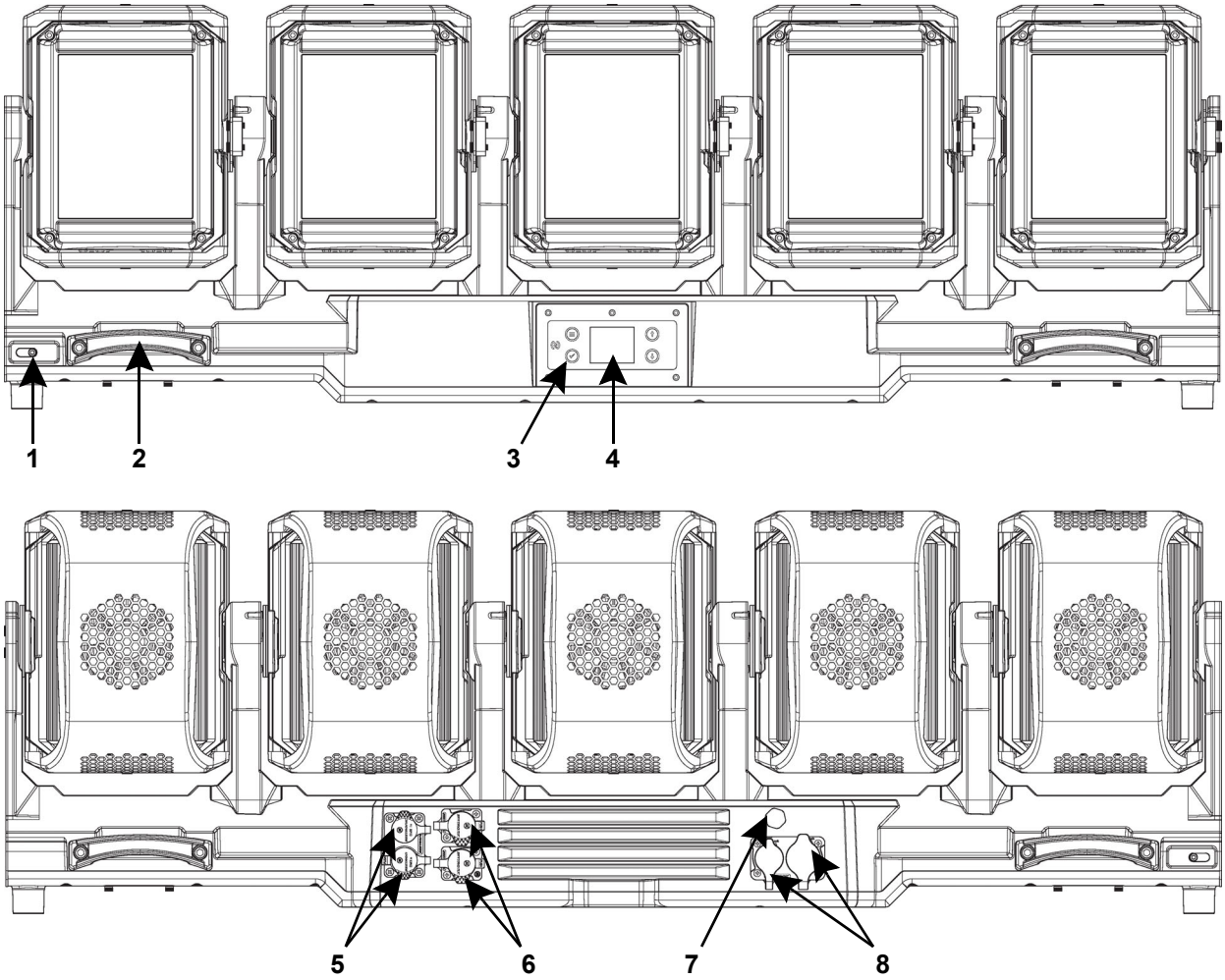
Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product, and limit the overall intensity.

2. Introduction

Features

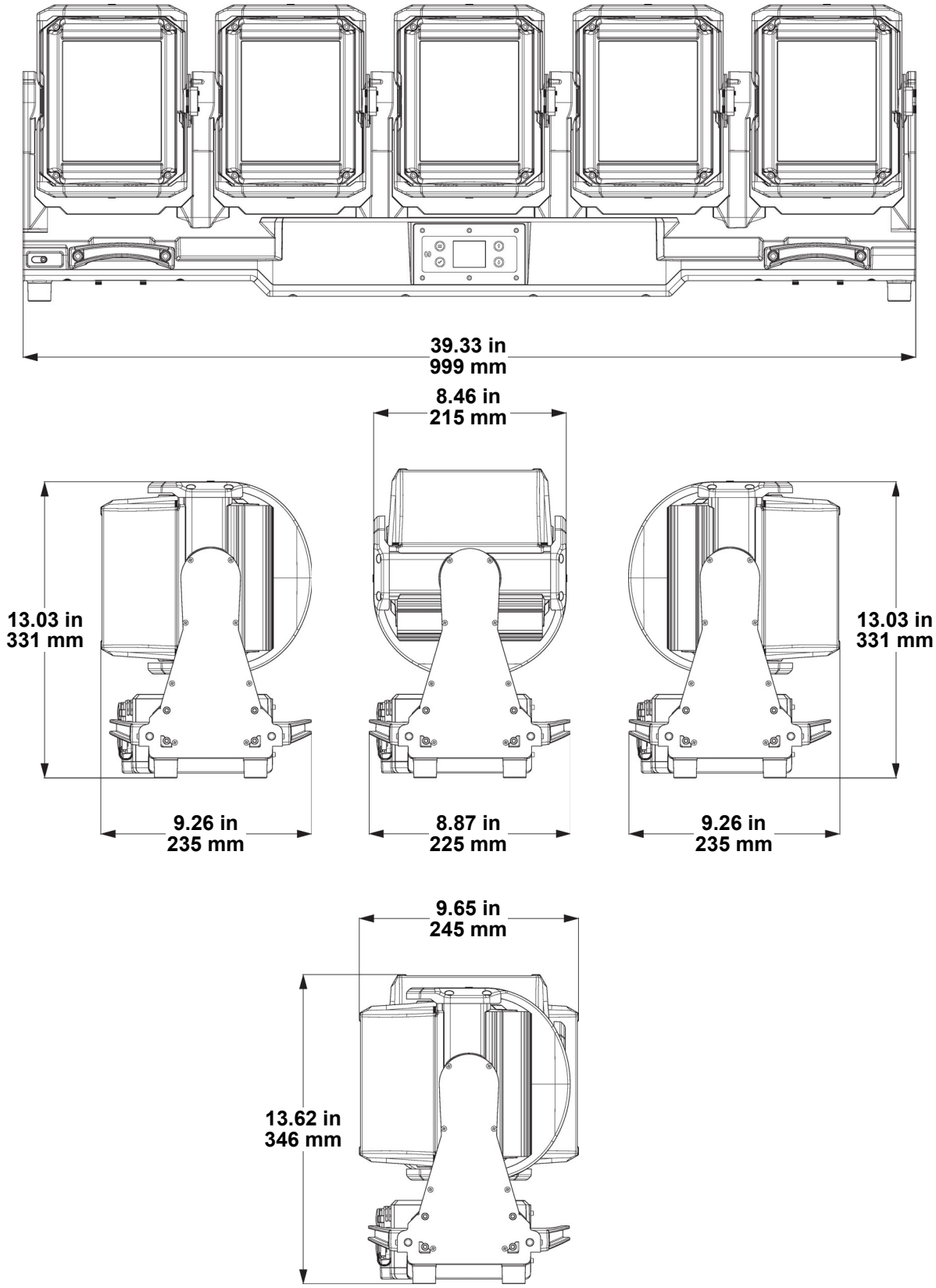
- Fully featured IP65 rated Bar style fixture with (5) heads, each consisting of single (120W) RGBW LEDs, and two linear four cell CW and WW Strobe LEDs
- Wash and beam fixtures with pan and tilt functionality and the ability to maintain pixel pitch when using multiple fixtures together
- Quick and quiet operation of 200° of tilt and 60° of pan per head
- 8 section control of Warm White and Cool White strobe cells per head
- DMX, SACN, and Art-Net control for full flexibility
- RDM enabled for remote addressing and trouble shooting
- IP65-rated 5-pin DMX and TCP/IP input and output ports
- Slotted Omega bracket for easy hanging on truss

Product Overview



#	Name	#	Name
1	Alignment pin screw (x2)	5	DMX in/out
2	Carry handle (x4)	6	Ethernet ports
3	Menu buttons	7	GORE© valve
4	Menu display	8	Power in/out

Product Dimensions



3. Setup

AC Power

The COLORado PXL Curve 5 has an auto-ranging power supply and it can work with an input voltage range of 100 to 240 VAC, 50/60 Hz.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.

- **Always connect the product to a protected circuit (a circuit breaker or fuse). Ensure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**

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

AC Plug

The COLORado PXL Curve 5 comes with a power input cable terminated with a Seetronic Powerkon A connector on one end and an Edison plug on the other end (U.S. market). If the power cable which came with the product has no plug, or if it is necessary to change the plug, use the table below to wire a plug.

Connection	Wire (U.S.)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

Power Linking

It is possible to power link COLORado PXL Curve 5 products. See the table below for the current draw at each voltage and frequency:

	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Current Draw	15.12 A	12.35 A	7.08 A	6.41 A	6.12 A
Resting	0.96 A	0.83 A	0.64 A	0.60 A	0.62 A

Never exceed 12 A on a single circuit. Power-linking cables can be purchased separately.

Signal Connections

The COLORado PXL Curve 5 can receive a DMX, Art-Net™, or sACN signal. The product has 2 Seetronic Etherkon-compatible through ports and 5-pin DMX in and out ports. If using other compatible products with this product, it is possible to control each individually with a single controller.

Control Personalities

The COLORado PXL Curve 5 uses a 5-pin DMX data connection, Art-Net™, or sACN for its 5 control personalities, ranging from 120 channels to 355 channels.

- Refer to the Operation chapter to learn how to configure the COLORado PXL Curve 5 to work in these personalities.
- The Control Channel Assignments and Values section provides detailed information regarding the control personalities.

If the user is not familiar with or need more information about DMX standards or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.

DMX Linking

The COLORado PXL Curve 5 can link to a DMX controller using a 5-pin DMX connection or a CRMX™ connection. For more information about DMX, read the DMX primer at: https://www.chauvetprofessional.com/wp-content/uploads/2016/06/DMX_Primer.pdf.

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 COLORado PXL Curve 5 supports RDM protocol that allows feedback to make changes to menu map options.

Master/Slave Connectivity

The Master/Slave mode allows an COLORado PXL Curve 5 (the master) to control one or more COLORado PXL Curve 5 products (the slaves) without a DMX controller. One COLORado PXL Curve 5 becomes the master when running an auto program or in Static mode.

Each slave's control panel must be configured to operate in Slave mode. During Master/Slave operation, the slaves will operate in unison with the master.

DO NOT connect a DMX controller to products operating in Master/Slave mode. The DMX controller signals may interfere with the signals from the master.

- **The Operation section of this manual provides detailed instructions on how to configure the master and slaves.**
- **For more information about DMX standards or the DMX cables needed to link this product to a DMX controller, download the DMX primer from the Chauvet website: www.chauvetprofessional.com.**

Art-Net™ Connection

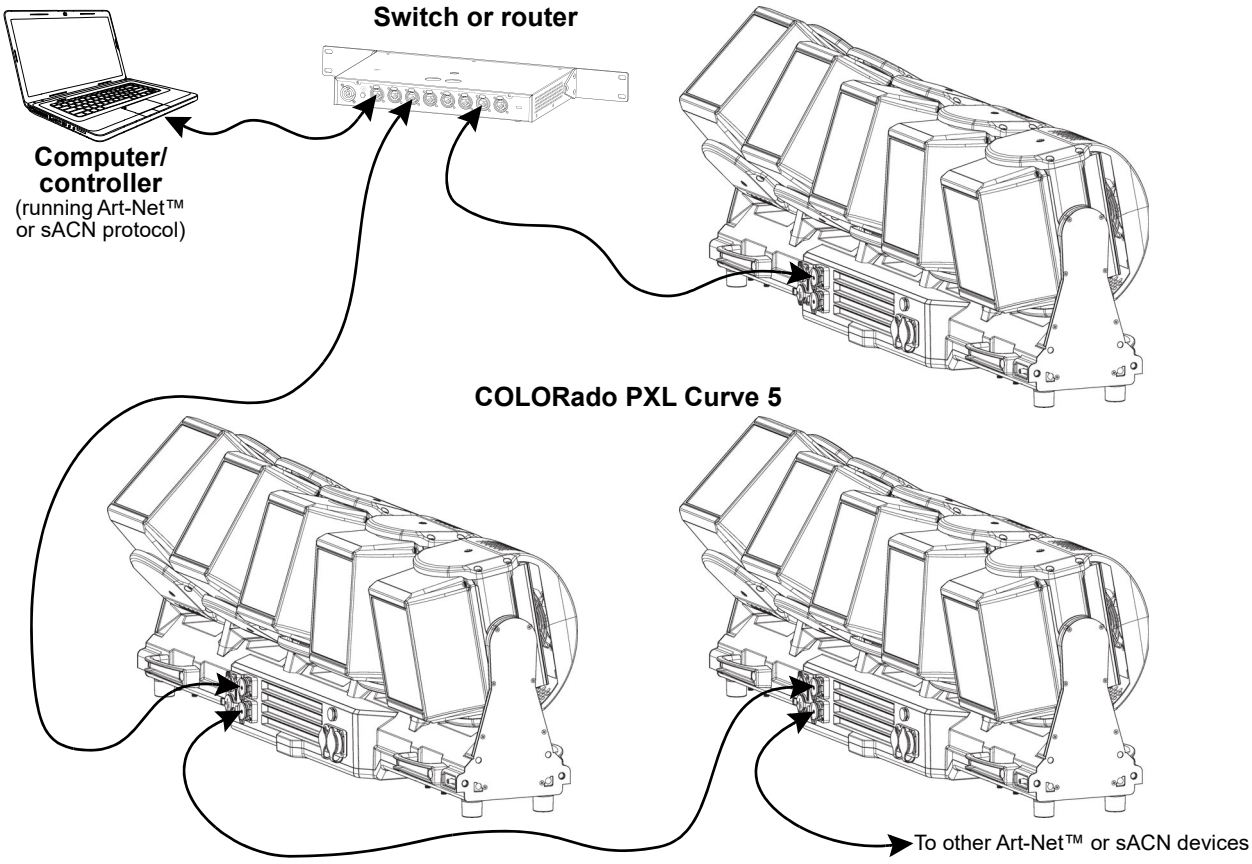
Art-Net™ is an Ethernet protocol that uses TCP/IP which transfers a large amount of DMX512 data using an ethernet connection over a large network. An Art-Net™ protocol document is available from www.chauvetprofessional.com.

Art-Net™ designed by and copyright Artistic Licence Holdings Ltd.

sACN Connection

Also known as ANSI E1.31, streaming ACN is an Ethernet protocol that uses the layering and formatting of Architecture for Control Networks to transport DMX512 data over IP or any other ACN compatible network.

Ethernet Connection Diagram



Software Update

Use the UPLOAD 08 from Chauvet Professional or access the Web Server of the product to update the software. For information on the UPLOAD 08, download the instructions from www.chauvetprofessional.com.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

Orientation

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

Rigging

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

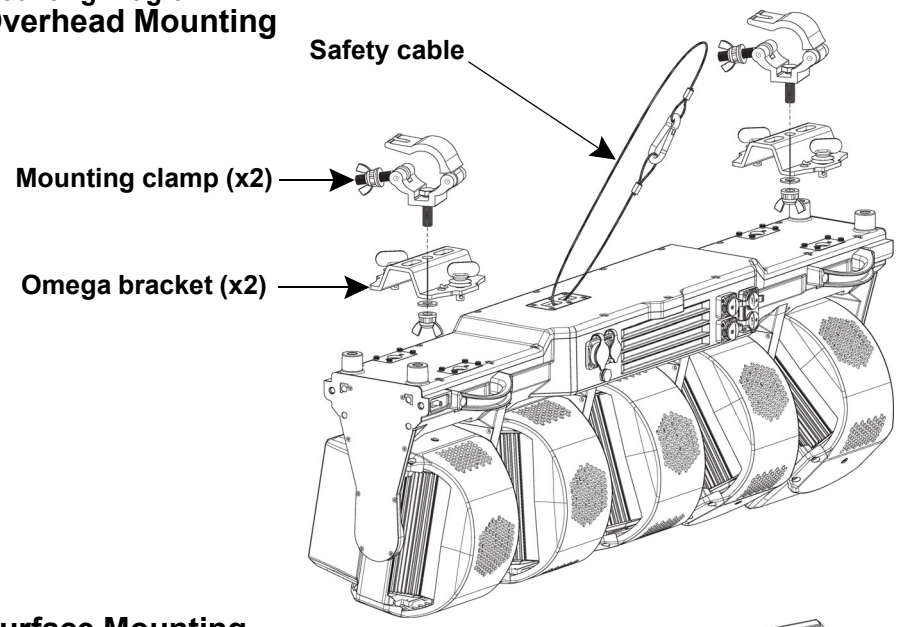
- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the Technical Specifications for weight information).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power-linking cables to reach.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.

Procedure

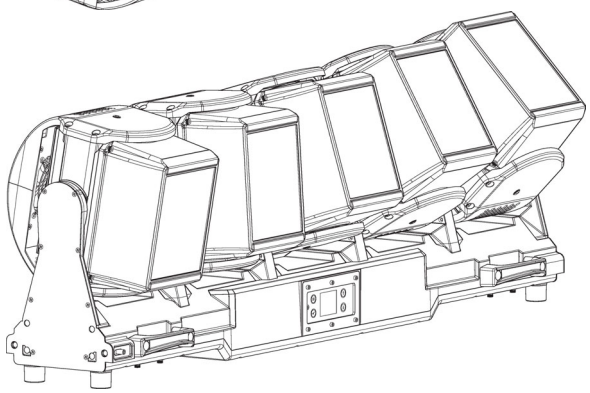
The COLORado PXL Curve 5 comes with 2 Omega brackets. The user can directly attach a mounting clamp (sold separately) to these Omega brackets. Make sure the clamp is capable of supporting the weight of this product. For the Chauvet Professional line of mounting clamps, go to http://www.trusst.com/products.

Mounting Diagram

Overhead Mounting



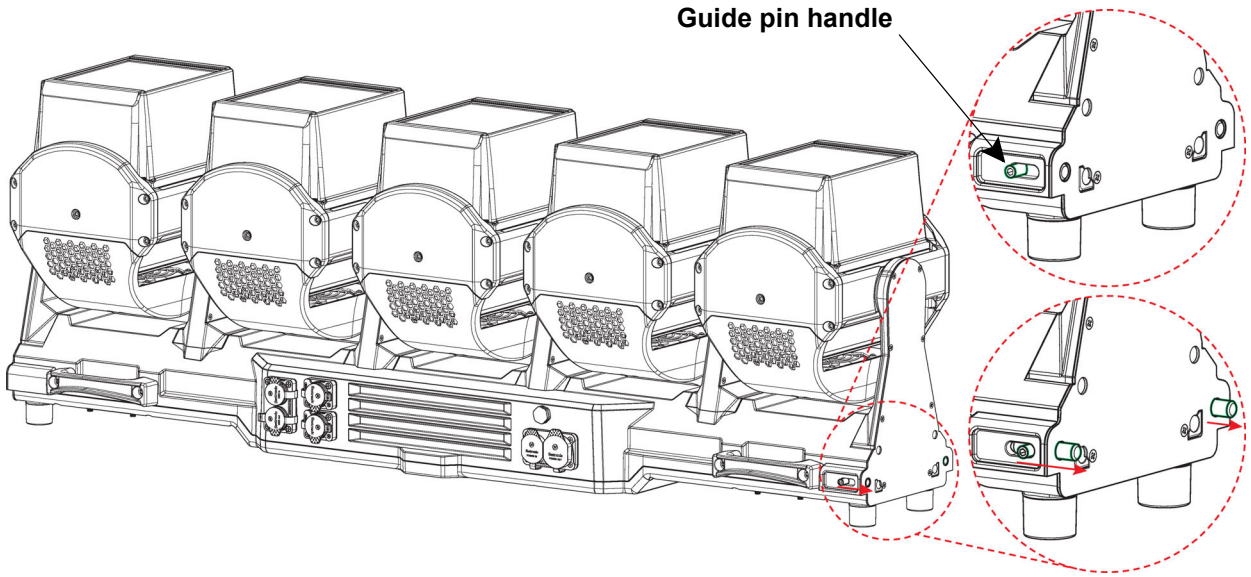
Surface Mounting



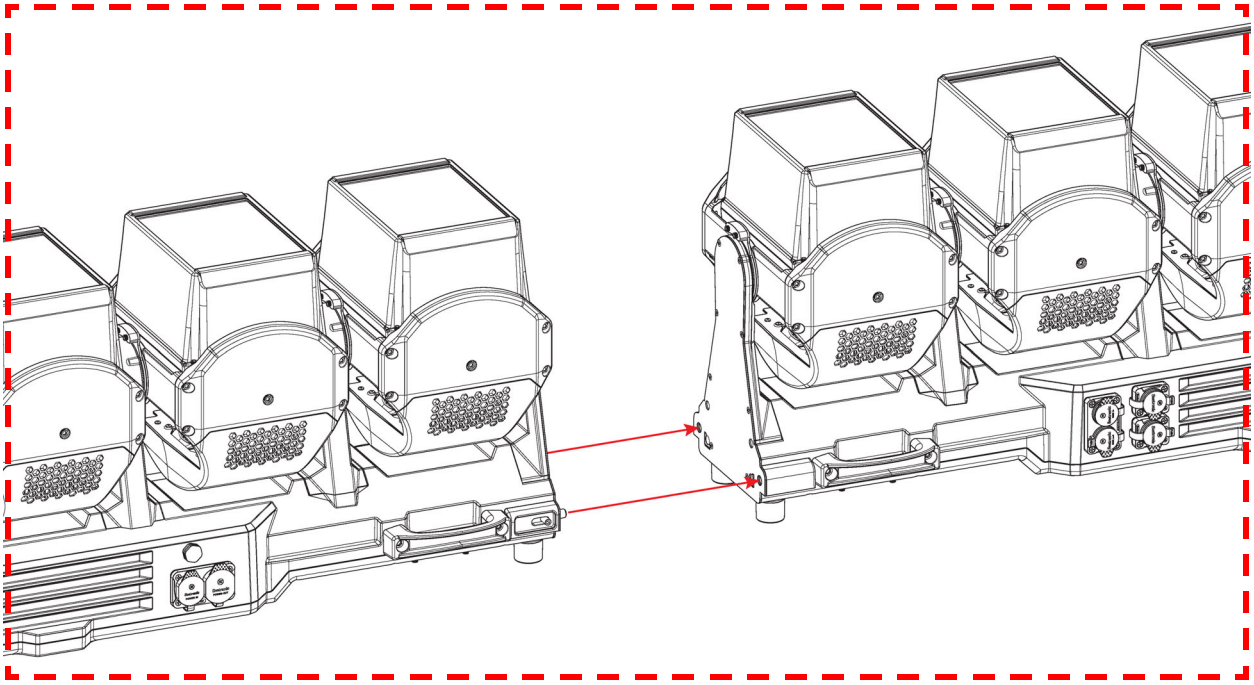
Guide Pins

The COLORado PXL Curve 5 has 2 guide pins which can assist in keeping linearly mounted products together in a straight line. To use the guide pins:

1. Slide the guide pins out by the handles on either side of the product.



2. Insert the guide pins into the guide holes of another COLORado PXL Curve product during the mounting process.



4. Operation

Control Panel Description

Button	Name	Function
	<Menu>	Exits the current menu or function
	<Enter>	Enables the currently displayed menu or sets a selected value into a function
	<Up>	Navigates upwards through the menu or increases the numeric value of a function
	<Down>	Navigates downwards through the menu or decreases the numeric value of a function

Control Options

Set the COLORado PXL Curve 5 starting address in the **001-393** DMX range. This enables control of up to 4 products in the 120-channel **Basic** personality.

Programming

Refer to the menu map to understand the menu options. The menu map shows the main menu and a variable number of programming levels for each option.

- To access the main menu from the Home Screen, press **<Enter>**.
- To navigate to the desired option in the menu, use **<Up>** or **<Down>**.
- Press **<Enter>** to select the indicated option.
- Use **<Up>** or **<Down>** to navigate within a programming level until the desired option is indicated.
- To return to the previous programming level, press **<Menu>**.

Control options can also be accessed through the Web Server.

Menu Map

Refer to the COLORado PXL Curve 5 product page on www.chauvetprofessional.com for the latest menu map.

Main Level	Programming Levels				Description
Address	**Single Control**	**DMX** **ArtNet** **sACN**	**Personal**	**Advanced**	355-channel: Control; 5-head: 16-bit pan/tilt, 16-bit dimmer, 16-bit RGBW, CTC, 16-bit zoom, strobe, color macro, 8-cell: 16-bit CW/WW, cells CTC, cells pattern, cells macro, speed, and delay
				Standard	195-channel: Control; 5-head: pan/tilt, 16-bit dimmer, RGBW, CTC, 16-bit zoom, strobe, color macro, 8-cell: CW/WW, cells CTC, cells pattern, cells macro, speed, and delay
				Basic	120-channel: Control; 5-head: 16-bit pan/tilt, 16-bit dimmer, RGBW, CTC, 16-bit zoom, strobe, color macro, 8-cell: cells dimmer, cells CTC, cells pattern, cells macro, speed, and delay
				Basic-High	155-channel: Control; 5-head: 16-bit pan/tilt, 16-bit dimmer, 16-bit RGBW, 16-bit CTC, 16-bit zoom, strobe, color macro, 8-cell: 16-bit cells dimmer, 16-bit cells CTC, cells pattern, cells macro, speed, and delay
				Basic Raw	195-channel: Control; 5-head: 16-bit pan/tilt, 16-bit dimmer, 16-bit RGBW, CTC, 16-bit zoom, strobe, color macro, 8-cell: CW/WW dimmer and strobe
			Address	**001–393**	Selects DMX address
			Universe (Art-Net™)	**00000–32767**	Selects universe
			Universe (sACN)	**00001–63999**	

Main Level	Programming Levels			Description
Run Mode	Auto Test			Auto test all functions
	Manual Test	Pan	000–255	Manually control and test all settings through the control panel
		Tilt		
		Pan/Tilt Speed		
		Red		
		Green		
		Blue		
		White		
		Cell Dimmer CW		
		Cell Dimmer WW		
		Center CTC		
		Cell CTC		
		Center Color		
		Cell Pattern		
		Cell Macro		
		Cell Macro Speed		
		Cell Macro Delay		
		Center Dimmer		
		Center Strobe		
		Strobe Cell		
		Zoom		
		CONTROL		
Setup	Network Settings	IP Mode	Static	Product sets IP address
			Manual	Manually sets IP address
			DHCP	Network sets IP address
		IP / IP Byte1–4	000–255	Sets IP address in manual mode
		SMK / SubMask1–4	000–255	Sets Subnet Mask in manual mode
	Pan Reverse	NO		Normal pan
		YES		Reversed pan
	Tilt Reverse	NO		Normal tilt
		YES		Reversed tilt
	Zoom Reverse	NO		Normal zoom
		YES		Reversed zoom
	Screen Reverse	NO		Normal display
		YES		Inverted display
		AUTO		Automatic display orientation
	Pan Angle	60		60° pan range
		40		40° pan range
		20		20° pan range
	Tilt Angle	190		190° tilt range
		180		180° tilt range
		60		60° tilt range
	BL. O. P/T Move	NO		Do not blackout while tilt
		YES		Blackout while tilt
	Backlight Timer	30S		Display turns off after 30 seconds
		1M		Display turns off after 1 minute
		5M		Display turns off after 5 minutes
		ON		Display stays on
	Loss of Data	Hold		Holds last signal received
		Blackout		Blacks out fixture
	Red Shift	NO		Enables/disables red shift
		YES		
	FAN Mode	Auto		Sets the fan to auto mode
		Full		Sets the fan to full output
		ECO		Sets the fan to quiet mode

Main Level	Programming Levels			Description
Setup (cont.)	C Mixing Mode	RGBW		RGBW mode (additive)
		CMY		CMY mode (subtractive)
	Dimmer Curve	Linear		Set the dimmer curve
		Square		
		I Squa		
		SCurve		
	Dimmer Speed	Smooth		Set the dimmer speed
		Fast		
	PWM Option	600Hz		Sets the Pulse Width Modulation frequency
		1200Hz		
		2000Hz		
		4000Hz		
		6000Hz		
		15000Hz		
	Cell Order	1–5		Light activates from left to right
		5–1		Light activates from right to left
	Calibrated White	ON		Default light output temperature set to 7500K
		OFF		Deactivates calibrated white setting
		Custom		Adjust light output temperature using White Balance setting
	White Balance	Red	000–255	Sets red LED maximum value
		Green		Sets green LED maximum value
		Blue		Sets blue LED maximum value
		White		Sets white LED maximum value
	Preset Select	Preset A		Recorded preset menu options
		Preset B		
		Preset C		
	Preset Sync	NO		Allows recorded preset menu options to be transferred to other COLORado PXL Curve 5 products in the DMX daisy chain
		YES		
	Pixel calibration	R1–5	000–255	Calibrates red LED
		G1–5		Calibrates green LED
		B1–5		Calibrates blue LED
	TV Reset Mode	NO		Set startup calibration to be quieter (lasts longer than normal startup)
		YES		
	Tilt Mode	Smooth		Set the tilt mode
		Fast		
	Reset Function	Pan/Tilt	NO	Reset individual functions or all functions from startup
			YES	
		Zoom	NO	
			YES	
		All	NO	
			YES	
	Factory Settings	NO		Reset to factory default settings
		YES		
Sys Info	Firmware Version	V1.260210		Shows firmware version
	Running Mode	_ _ _ _ _ _ _ _		Shows current running mode
	Address	_ _ _		Shows current starting address
	Temperature	Temperature 1–5	_ _ _	Shows current product temperature in °C
		Base Temp		
	Fixture Time	_ _ _ _ _		Shows number of hours product has been powered on
	LED Hours	_ _ _ _ _		Shows total hours the LED has been powered on

Main Level	Programming Levels			Description
Sys Info (cont.)	ArtNet Info	IP	_ ._ _ _._ _ _._ _ _	Shows current IP address
		SubMask	_ _ _._ _ _._ _ _._ _ _	Shows current Subnet Mask
		MAC	_ _._ _ _._ _ _._ _ _._ _ _	Shows current MAC address
	Device UID		_ _ _ _ _ _ _ _ _ _ _ _	Shows product UID
	Fan Information	LFAN 1–10 SP	_ _ _ _	Shows speed of fans in rpm
		MH460 DFAN1–2 SP		

Home Screen

The COLORado PXL Curve 5 has a home screen which displays the personality, protocol, starting address, IP address, and universe.

Control Configuration

Use control configurations to operate the product with a DMX, Art-Net™, or sACN controller.

Protocol

To set the control protocol:

1. Go to the **Address** main level.
2. Select the **Single Control** option.
3. Select the desired protocol, from **DMX**, **ArtNet**, or **sACN**.

DMX Personalities

To set the DMX personality:

1. Select the control **Protocol**.
2. Select the **Personal** option.
3. Select the desired personality, from **Advanced**, **Standard**, **Basic**, **Basic-High**, or **Basic Raw**.

- See Starting Address for the highest selectable starting address for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.

Starting Address

Each product will respond to a unique starting address from the controller. All products with the same starting address will respond in unison. There are two ways to set the starting address.

Method 1:

1. Select the control **Protocol**.
2. Select the **Address** option.
3. Select the starting address (**001–512**).

Method 2:

1. On the home screen, press **<Up>** or **<Down>** to increase or decrease the starting address.
2. Press **<Enter>** to save the change.

See the table below for the highest address available in each personality.

Personality	Channels	Highest Address	Products per Universe
Advanced	**355**	**158**	**1**
Standard	**195**	**318**	**2**
Basic	**120**	**393**	**4**
Basic-High	**155**	**358**	**3**
Basic Raw	**195**	**318**	**2**

Universe

The Art-Net™ and sACN control protocols require a universe address in addition to the starting address. To assign a universe to the control mode when using Art-Net™ or sACN:

1. Set the control **Protocol** to **ArtNet** or **sACN**.
2. Select the **Universe** option.
3. Select the universe, from **00000–99999** (**00000**–**32767** for **ArtNet**, or **00001–63999** for **sACN**).

Network Setting

The Network Setting options control the IP address, subnet mask, and universe address of the product.

To access the **Network Settings** menu:

1. Go to the **Setup** main level.
2. Select the **Network Setting** option.

IP Mode

To choose how the IP address is set:

1. Access the **Network Setting** menu.
2. Select the **IP Mode** option.
3. Select the desired IP mode, from **Static** (the product uses a default, preset IP address), **Manual** (to set a custom IP address), or **DHCP** (the IP address is assigned by the connected network).

Manual IP Address

To set the IP address when the **IP Mode** is set to **Manual**:

1. Access the **Network Setting** menu.
2. Select the **IP** option.
3. Select which byte to edit (**IP Byte1–4**).
4. Set the selected byte from **000–255**.

Subnet Mask

To set the subnet mask:

1. Access the **Network Setting** menu.
2. Select the **SMK** option.
3. Select which byte to edit (**SubMask1–4**).
4. Set the selected byte from **000–255**.

Control Channel Assignments and Values

Control Chart

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 009	No function	075 ⇔ 084	No function	165 ⇔ 169	White mode
010 ⇔ 014	Blackout on Pan/Tilt	085 ⇔ 089	Pan reverse	170 ⇔ 174	Full mode
015 ⇔ 019	Reserved	090 ⇔ 094	Tilt reverse	175 ⇔ 179	PWM 600 Hz
020 ⇔ 024	RGBW color mix	095 ⇔ 099	Pan normal	180 ⇔ 184	PWM 1200 Hz
025 ⇔ 029	CMY color mix	100 ⇔ 104	Tilt normal	185 ⇔ 189	PWM 2000 Hz
030 ⇔ 039	No function	105 ⇔ 109	Reserved	190 ⇔ 194	PWM 4000 Hz
040 ⇔ 044	Preset color HTP on	110 ⇔ 119	No function	195 ⇔ 199	PWM 6000 Hz
045 ⇔ 049	Preset color HTP off	120 ⇔ 134	Reserved	200 ⇔ 204	PWM 15 kHz
050 ⇔ 054	Pan reset	135 ⇔ 139	Fast dimmer	205 ⇔ 239	Reserved
055 ⇔ 059	Tilt reset	140 ⇔ 144	Smooth dimmer	240 ⇔ 244	Fast Pan/Tilt
060 ⇔ 064	Zoom Reset	145 ⇔ 149	Linear dimmer curve	245 ⇔ 249	Smooth Pan/Tilt
065 ⇔ 066	Zoom reset theater mode on	150 ⇔ 154	Square dimmer curve	250 ⇔ 255	Reserved
067 ⇔ 069	Zoom reset theater mode off	155 ⇔ 159	I-Square dimmer curve		
070 ⇔ 074	Reset all	160 ⇔ 164	S-Curve dimmer curve		

Strobe Chart

Value	Percent/Setting	Value	Percent/Setting	Value	Percent/Setting
000 ⇔ 019	Off	110 ⇔ 124	Random strobe*	185 ⇔ 189	On
020 ⇔ 024	On	125 ⇔ 129	On	190 ⇔ 204	Random pulse strobe*
025 ⇔ 064	Strobe*	130 ⇔ 144	Random strobe 100–0%*	205 ⇔ 209	On
065 ⇔ 069	On	145 ⇔ 149	On	210 ⇔ 224	Strobe 0–100–0%*
070 ⇔ 084	Strobe 100–0%*	150 ⇔ 164	Random strobe 0–100%*	225 ⇔ 229	On
085 ⇔ 089	On	165 ⇔ 169	On	230 ⇔ 244	Pulse strobe*
090 ⇔ 104	Strobe 0–100%*	170 ⇔ 184	Pulse strobe	245 ⇔ 255	On
105 ⇔ 109	On				

*All strobe value ranges go from fast to slow

Color Macro Chart

Value	Setting	R	G	B	W	Value	Setting	R	G	B	W
000	No function	–	–	–	–	087	Green	000	255	000	000
001 ⇔ 002	3200K	243	211	000	055	088 ⇔ 124	Green to yellow	+	255	000	000
003 ⇔ 004	4000K	177	177	000	100	125	Yellow	255	255	000	000
005 ⇔ 006	2700K	255	175	000	050	126 ⇔ 162	Yellow to red	255	-	000	000
007 ⇔ 008	4200K	251	255	008	145	163	Red	255	000	000	000
009 ⇔ 010	5600K	109	146	000	210	164 ⇔ 201	Red to magenta	255	000	+	000
011 ⇔ 012	6500K	106	157	012	211	202	Magenta	255	000	255	000
013 ⇔ 014	7500K	066	127	011	255	203 ⇔ 238	Magenta to blue	-	000	255	000
015 ⇔ 048	Blue to cyan	000	+	255	000	239	Blue	000	000	255	000
049	Cyan	000	255	255	000	240 ⇔ 247	Color fade, fast to slow				
050 ⇔ 086	Cyan to green	000	255	-	000	248 ⇔ 255	Color snap, fast to slow				

Cell Pattern Chart

#	Cells	#	Cells	#	Cells	#	Cells	#	Cells	#	Cells	#	Cells	#	Cells
1	■□□□ □□□□	28	□□□■ ■□□□	55	□□□■ □□□■	82	□■□□ □■□■	109	■□■■ ■□□□	136	□■■□ □■■□	163	■■■■ □■□□	190	□■■□ ■■□■
2	□■□□ □□□□	29	□□□■ □■□□	56	□□□□ ■■■□	83	□■□□ □□■■	110	■□■□ □■□□	137	□■■□ □■□■	164	■■■■ □□■□	191	□■■□ □■■■
3	□□■□ □□□□	30	□□□■ □□■□	57	□□□□ ■■□■	84	□□■□ ■■□□	111	■□■■ □□■□	138	□■■□ □□■■	165	■■■■ □□□■	192	□■■■ □■■□
4	□□□■ □□□□	31	□□□■ □□□■	58	□□□□ □■■■	85	□□■□ ■□□■□	112	■□■■ □□□■	139	□■□■ ■■□□	166	□■■■ ■■□□	193	□■■■ □■□■
5	□□□□ ■□□□	32	□□□□ ■■□□	59	■□■■ □□□□	86	□□■□ ■□□■	113	■□■□ ■■□□	140	□■□■ ■□■□	167	□■■■ ■□■□	194	□□■■ □□■■
6	□□□□ □■□□	33	□□□□ ■□■□	60	■□■□ ■□□□	87	□□■□ □■■□	114	■□■□ ■□■□	141	□■□■ ■□□■	168	□■■■ ■□□■	195	□□■■ □■■■
7	□□□□ □□■□	34	□□□□ ■□□■	61	■□■□ □■□□	88	□□■□ □■□■	115	■□■□ ■□□■	142	□■□■ □■■□	169	□□■■ ■■■□	196	□□■■ ■□■■
8	□□□□ □□□■	35	□□□□ □■■□	62	■□■□ □□■□	89	□□■□ □□■■	116	■□■□ □■■□	143	□■□■ □■□■	170	□□■■ ■■□■	197	■■■□ ■■□□
9	□□□□ □□□□	36	□□□□ □■□■	63	■□■□ □□□■	90	□□□■ □■■□	117	■□■□ □■□■	144	□■□■ □□■■	171	□□□■ ■■■■	198	■■■■ ■□■□
10	■■□□ □□□□	37	□□□□ □□■■	64	■□□■ ■□□□	91	□□□■ □■□■	118	■□■□ □□■■	145	□■□□ ■■■□	172	■□■■ ■■□□	199	■■■■ ■□□■
11	■□■□ □□□□	38	■■■□ □□□□	65	■□□■ □■□□	92	□□□■ □□■■	119	■□□■ ■■□□	146	□■□□ ■■□■	173	■□■■ ■□■□	200	□■■■ ■■■□
12	■□□■ □□□□	39	■■□■ □□□□	66	■□□■ □□■□	93	□□□□ ■□■■	120	■□□■ ■□■□	147	□■□□ □■■■	174	■□■■ ■□□■	201	□■■■ ■■□■
13	■□□□ ■□□□	40	■■□□ ■□□□	67	■□□■ □□□■	94	■■■■ □□□□	121	■□□■ ■□□■	148	□□■■ ■■□□	175	■□□■ ■■■□	202	□■□■ ■■■■
14	■□□□ □■□□	41	■■□□ □■□□	68	■□□□ ■■□□	95	■■■□ ■□□□	122	■□□■ □■■□	149	□□■■ ■□■□	176	■□□■ ■■□■	203	□□■■ ■■■■
15	■□□□ □□■□	42	■■□□ □□■□	69	■□□□ ■□■□	96	■■■□ □■□□	123	■□□■ □■□■	150	□□■■ ■□□■	177	■■□□ ■■■□	204	■□■■ ■■■□
16	■□□□ □□□■	43	■■□□ □□□■	70	■□□□ ■□□■	97	■■■□ □□■□	124	■□□■ □□■■	151	□□■■ □■■□	178	■■□□ ■■□■	205	■□■■ ■■□■
17	□■■□ □□□□	44	□■■■ □□□□	71	■□□□ □■■□	98	■■■□ □□□■	125	■□□□ ■■■□	152	□□■■ □■□■	179	■■□□ □■■■	206	■□□■ ■■■■
18	□■□■ □□□□	45	□■■□ ■□□□	72	■□□□ □■□■	99	■■□■ ■□□□	126	■□□□ ■■□■	153	□□■■ □□■■	180	■■■□ ■■□□	207	□■□■ ■■■■
19	□■□□ ■□□□	46	□■■□ □■□□	73	■□□□ □□■■	100	■■□■ □■□□	127	■□□□ ■□■■	154	□□■□ ■■■□	181	■■■□ ■□■□	208	■■■■ ■■■□
20	□■□□ □■□□	47	□■■□ □□■□	74	□■□■ ■□□□	101	■■□■ □□■□	128	■□□□ □■■■	155	□□■□ ■■□■	182	■■■□ ■□□■	209	■■■■ ■■□■
21	□■□□ □□■□	48	□■■□ □□□■	75	□■□■ □■□□	102	■■□■ □□□■	129	□■■■ ■□□□	156	□□■□ ■□■■	183	■■■□ □■■□	210	■■■■ ■□■■
22	□■□□ □□□■	49	□□■■ ■□□□	76	□■□■ □□■□	103	■■□□ ■■□□	130	□■■■ □■□□	157	□□■□ □■■■	184	■■■□ □■□■	211	■■■■ □■■■
23	□□■■ □□□□	50	□□■■ □■□□	77	□■□■ □□□■	104	■■□□ ■□■□	131	□■■■ □□■□	158	□□□■ ■■■□	185	■■■□ □□■■	212	■■■□ ■■■■
24	□□■□ ■□□□	51	□□■■ □□■□	78	□■□□ ■■□□	105	■■□□ ■□□■	132	□■■■ □□□■	159	□□□■ ■■□□	186	■■■■ □■□□	213	■■□■ ■■■■
25	□□■□ □■□□	52	□□■■ □□□■	79	□■□□ ■□□■	106	■■□□ □■■□	133	□■■□ ■■□□	160	□□□■ □■■■	187	■■■■ □□■□	214	■□■■ ■■■■
26	□□■□ □□■□	53	□□□■ ■■□□	80	□■□□ ■□□■	107	■■□□ □■□■	134	□■■□ ■□■□	161	□□□□ ■■■■	188	■■■■ □□□■	215	□■■■ ■■■■
27	□□■□ □□□■	54	□□□■ ■□■□	81	□■□□ □■■□	108	■■□□ □□■■	135	□■■□ ■□□■	162	■■■■ ■□□□	189	□■■■ ■■■□	216	■■■■ ■■■■

Cells Macro Chart

Value	Setting	Value	Setting	Value	Setting
000 ⇔ 015	No function	064 ⇔ 065	Macro 25	160 ⇔ 161	Program 13
016 ⇔ 017	Macro 1	066 ⇔ 067	Macro 26	162 ⇔ 163	Program 14
018 ⇔ 019	Macro 2	068 ⇔ 069	Macro 27	164 ⇔ 165	Program 15
020 ⇔ 021	Macro 3	070 ⇔ 071	Macro 28	166 ⇔ 167	Program 16
022 ⇔ 023	Macro 4	072 ⇔ 073	Macro 29	168 ⇔ 169	Program 17
024 ⇔ 025	Macro 5	074 ⇔ 075	Macro 30	170 ⇔ 171	Program 18
026 ⇔ 027	Macro 6	076 ⇔ 077	Macro 31	172 ⇔ 173	Program 19
028 ⇔ 029	Macro 7	078 ⇔ 079	Macro 32	174 ⇔ 175	Program 20
030 ⇔ 031	Macro 8	080 ⇔ 081	Macro 33	176 ⇔ 177	Program 21
032 ⇔ 033	Macro 9	082 ⇔ 083	Macro 34	178 ⇔ 179	Program 22
034 ⇔ 035	Macro 10	084 ⇔ 085	Macro 35	180 ⇔ 181	Program 23
036 ⇔ 037	Macro 11	086 ⇔ 135	Cycle macro 1–35	182 ⇔ 183	Program 24
038 ⇔ 039	Macro 12	136 ⇔ 137	Program 1	184 ⇔ 185	Program 25
040 ⇔ 041	Macro 13	138 ⇔ 139	Program 2	186 ⇔ 187	Program 26
042 ⇔ 043	Macro 14	140 ⇔ 141	Program 3	188 ⇔ 189	Program 27
044 ⇔ 045	Macro 15	142 ⇔ 143	Program 4	190 ⇔ 191	Program 28
046 ⇔ 047	Macro 16	144 ⇔ 145	Program 5	192 ⇔ 193	Program 29
048 ⇔ 049	Macro 17	146 ⇔ 147	Program 6	194 ⇔ 195	Program 30
050 ⇔ 051	Macro 18	148 ⇔ 149	Program 7	196 ⇔ 197	Program 31
052 ⇔ 053	Macro 19	150 ⇔ 151	Program 8	198 ⇔ 199	Program 32
054 ⇔ 055	Macro 20	152 ⇔ 153	Program 9	200 ⇔ 201	Program 33
056 ⇔ 057	Macro 21	154 ⇔ 155	Program 10	202 ⇔ 203	Program 34
058 ⇔ 059	Macro 22	156 ⇔ 157	Program 11	204 ⇔ 205	Program 35
060 ⇔ 061	Macro 23	158 ⇔ 159	Program 12	206 ⇔ 255	Cycle program 1–35
062 ⇔ 063	Macro 24				

DMX Values

Key: **Advanced** = **A**, **Standard** = **S**, **Basic** = **B**, **Basic-High** = **H**, **Basic Raw** = **R**.

A	S	B	H	R	Function	Value	Percent/Setting
1	**1**	**1**	**1**	**1**	**Head 1 Pan**	000 ⇔ 255	0–100%
2	**2**	**2**	**2**	**2**	**Head 1 Fine pan**	000 ⇔ 255	16-bit 0–100%
3	**3**	**3**	**3**	**3**	**Head 1 Tilt**	000 ⇔ 255	0–100%
4	**4**	**4**	**4**	**4**	**Head 1 Fine tilt**	000 ⇔ 255	16-bit 0–100%
5	**5**	**5**	**5**	**5**	**Head 1 Pan/Tilt speed**	000 ⇔ 255	Fast to slow
6	**6**	**6**	**6**	**6**	**Control**	000 ⇔ 255	See the Control Chart
7	**7**	**7**	**7**	**7**	**Head 1 center dimmer**	000 ⇔ 255	0–100%
8	**8**	**8**	**8**	**8**	**Head 1 center fine dimmer**	000 ⇔ 255	16-bit 0–100%
9	**9**	**9**	**9**	**9**	**Head 1 center red**	000 ⇔ 255	0–100%
10	**–**	**–**	**10**	**10**	**Head 1 center fine red**	000 ⇔ 255	16-bit 0–100%
11	**10**	**10**	**11**	**11**	**Head 1 center green**	000 ⇔ 255	0–100%
12	**–**	**–**	**12**	**12**	**Head 1 center fine green**	000 ⇔ 255	16-bit 0–100%
13	**11**	**11**	**13**	**13**	**Head 1 center blue**	000 ⇔ 255	0–100%
14	**–**	**–**	**14**	**14**	**Head 1 center fine blue**	000 ⇔ 255	16-bit 0–100%
15	**12**	**12**	**15**	**15**	**Head 1 center white**	000 ⇔ 255	0–100%
16	**–**	**–**	**16**	**16**	**Head 1 center fine white**	000 ⇔ 255	16-bit 0–100%
17	**13**	**13**	**17**	**17**	**Head 1 center CTC**	000 001 ⇔ 255	No function Color temperature correction, 2700–10000K

A	S	B	H	R	Function	Value	Percent/Setting
–	–	–	18	–	**Head 1 center fine CTC**	000 ⇔ 255	Fine CTC, -29.675–0K
18	14	14	19	18	**Head 1 zoom**	000 ⇔ 255	0–100%
19	15	15	20	19	**Head 1 fine zoom**	000 ⇔ 255	16-bit 0–100%
20	16	16	21	20	**Head 1 center strobe**	000 ⇔ 255	See the Strobe Chart
21	17	17	22	21	**Head 1 center color macro**	000 ⇔ 255	See the Color Macro Chart
22	18	–	–	22	**Head 1 CW cell 1 dimmer**	000 ⇔ 255	0–100%
23	–	–	–	–	**Head 1 CW cell 1 fine dimmer**	000 ⇔ 255	16-bit 0–100%
24	19	–	–	23	**Head 1 WW cell 1 dimmer**	000 ⇔ 255	0–100%
25	–	–	–	–	**Head 1 WW cell 1 fine dimmer**	000 ⇔ 255	16-bit 0–100%
26	–	–	–	–	**Head 1 cell 1 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
27	20	–	–	24	**Head 1 CW cell 2 dimmer**	000 ⇔ 255	0–100%
28	–	–	–	–	**Head 1 CW cell 2 fine dimmer**	000 ⇔ 255	16-bit 0–100%
29	21	–	–	25	**Head 1 WW cell 2 dimmer**	000 ⇔ 255	0–100%
30	–	–	–	–	**Head 1 WW cell 2 fine dimmer**	000 ⇔ 255	16-bit 0–100%
31	–	–	–	–	**Head 1 cell 2 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
32	22	–	–	26	**Head 1 CW cell 3 dimmer**	000 ⇔ 255	0–100%
33	–	–	–	–	**Head 1 CW cell 3 fine dimmer**	000 ⇔ 255	16-bit 0–100%
34	23	–	–	27	**Head 1 WW cell 3 dimmer**	000 ⇔ 255	0–100%
35	–	–	–	–	**Head 1 WW cell 3 fine dimmer**	000 ⇔ 255	16-bit 0–100%
36	–	–	–	–	**Head 1 cell 3 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
37	24	–	–	28	**Head 1 CW cell 4 dimmer**	000 ⇔ 255	0–100%
38	–	–	–	–	**Head 1 CW cell 4 fine dimmer**	000 ⇔ 255	16-bit 0–100%
39	25	–	–	29	**Head 1 WW cell 4 dimmer**	000 ⇔ 255	0–100%
40	–	–	–	–	**Head 1 WW cell 4 fine dimmer**	000 ⇔ 255	16-bit 0–100%
41	–	–	–	–	**Head 1 cell 4 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
42	26	–	–	30	**Head 1 CW cell 5 dimmer**	000 ⇔ 255	0–100%
43	–	–	–	–	**Head 1 CW cell 5 fine dimmer**	000 ⇔ 255	16-bit 0–100%
44	27	–	–	31	**Head 1 WW cell 5 dimmer**	000 ⇔ 255	0–100%
45	–	–	–	–	**Head 1 WW cell 5 fine dimmer**	000 ⇔ 255	16-bit 0–100%
46	–	–	–	–	**Head 1 cell 5 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
47	28	–	–	32	**Head 1 CW cell 6 dimmer**	000 ⇔ 255	0–100%
48	–	–	–	–	**Head 1 CW cell 6 fine dimmer**	000 ⇔ 255	16-bit 0–100%
49	29	–	–	33	**Head 1 WW cell 6 dimmer**	000 ⇔ 255	0–100%
50	–	–	–	–	**Head 1 WW cell 6 fine dimmer**	000 ⇔ 255	16-bit 0–100%
51	–	–	–	–	**Head 1 CW/WW cell 6 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
52	30	–	–	34	**Head 1 CW cell 7 dimmer**	000 ⇔ 255	0–100%
53	–	–	–	–	**Head 1 CW cell 7 fine dimmer**	000 ⇔ 255	16-bit 0–100%
54	31	–	–	35	**Head 1 WW cell 7 dimmer**	000 ⇔ 255	0–100%
55	–	–	–	–	**Head 1 WW cell 7 fine dimmer**	000 ⇔ 255	16-bit 0–100%
56	–	–	–	–	**Head 1 CW/WW cell 7 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
57	32	–	–	36	**Head 1 CW cell 8 dimmer**	000 ⇔ 255	0–100%
58	–	–	–	–	**Head 1 CW cell 8 fine dimmer**	000 ⇔ 255	16-bit 0–100%

A	S	B	H	R	Function	Value	Percent/Setting
59	33	–	–	37	Head 1 WW cell 8 dimmer	000 ⇔ 255	0–100%
60	–	–	–	–	Head 1 WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
61	–	–	–	–	Head 1 CW/WW cell 8 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
62	–	–	–	38	Head 1 CW cells strobe	000 ⇔ 255	See the Strobe Chart
63	–	–	–	–	Head 1 CW cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
64	–	–	–	–	Head 1 CW cells macro	000 ⇔ 255	See the Cells Macro Chart
65	–	–	–	–	Head 1 CW cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
66	–	–	–	–	Head 1 CW cells macro delay	000 ⇔ 255	Fast to slow
67	–	–	–	39	Head 1 WW cells strobe	000 ⇔ 255	See the Strobe Chart
68	–	–	–	–	Head 1 WW cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
69	–	–	–	–	Head 1 WW cells macro	000 ⇔ 255	See the Cells Macro Chart
70	–	–	–	–	Head 1 WW cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
71	–	–	–	–	Head 1 WW cells macro delay	000 ⇔ 255	Fast to slow
–	–	18	23	–	Head 1 cells dimmer	000 ⇔ 255	0–100%
–	–	–	24	–	Head 1 cells fine dimmer	000 ⇔ 255	16-bit 0–100%
–	34	19	25	–	Head 1 cells CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
–	–	–	26	–	Head 1 cells fine CTC	000 ⇔ 255	Fine CTC, -29.675–0K
–	35	20	27	–	Head 1 cells strobe	000 ⇔ 255	See the Strobe Chart
–	36	21	28	–	Head 1 cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
–	37	22	29	–	Head 1 cells macro	000 ⇔ 255	See the Cells Macro Chart
–	38	23	30	–	Head 1 cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
–	39	24	31	–	Head 1 cells macro delay	000 ⇔ 255	Fast to slow
72	40	25	32	40	Head 2 Pan	000 ⇔ 255	0–100%
73	41	26	33	41	Head 2 Fine pan	000 ⇔ 255	16-bit 0–100%
74	42	27	34	42	Head 2 Tilt	000 ⇔ 255	0–100%
75	43	28	35	43	Head 2 Fine tilt	000 ⇔ 255	16-bit 0–100%
76	44	29	36	44	Head 2 Pan/Tilt speed	000 ⇔ 255	Fast to slow
77	45	30	37	45	Reserved	000 ⇔ 255	Reserved for future use
78	46	31	38	46	Head 2 center dimmer	000 ⇔ 255	0–100%
79	47	32	39	47	Head 2 center fine dimmer	000 ⇔ 255	16-bit 0–100%
80	48	33	40	48	Head 2 center red	000 ⇔ 255	0–100%
81	–	–	41	49	Head 2 center fine red	000 ⇔ 255	16-bit 0–100%
82	49	34	42	50	Head 2 center green	000 ⇔ 255	0–100%
83	–	–	43	51	Head 2 center fine green	000 ⇔ 255	16-bit 0–100%
84	50	35	44	52	Head 2 center blue	000 ⇔ 255	0–100%

A	S	B	H	R	Function	Value	Percent/Setting
85	–	–	45	53	Head 2 center fine blue	000 ⇔ 255	16-bit 0–100%
86	51	36	46	54	Head 2 center white	000 ⇔ 255	0–100%
87	–	–	47	55	Head 2 center fine white	000 ⇔ 255	16-bit 0–100%
88	52	37	48	56	Head 2 center CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction, 2700–10000K
–	–	–	49	–	Head 2 center fine CTC	000 ⇔ 255	Fine CTC, -29.675–0K
89	53	38	50	57	Head 2 zoom	000 ⇔ 255	0–100%
90	54	39	51	58	Head 2 fine zoom	000 ⇔ 255	16-bit 0–100%
91	55	40	52	59	Head 2 center strobe	000 ⇔ 255	See the Strobe Chart
92	56	41	53	60	Head 2 center color macro	000 ⇔ 255	See the Color Macro Chart
93	57	–	–	61	Head 2 CW cell 1 dimmer	000 ⇔ 255	0–100%
94	–	–	–	–	Head 2 CW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
95	58	–	–	62	Head 2 WW cell 1 dimmer	000 ⇔ 255	0–100%
96	–	–	–	–	Head 2 WW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
97	–	–	–	–	Head 2 CW/WW cell 1 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
98	59	–	–	63	Head 2 CW cell 2 dimmer	000 ⇔ 255	0–100%
99	–	–	–	–	Head 2 CW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
100	60	–	–	64	Head 2 WW cell 2 dimmer	000 ⇔ 255	0–100%
101	–	–	–	–	Head 2 WW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
102	–	–	–	–	Head 2 CW/WW cell 2 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
103	61	–	–	65	Head 2 CW cell 3 dimmer	000 ⇔ 255	0–100%
104	–	–	–	–	Head 2 CW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
105	62	–	–	66	Head 2 WW cell 3 dimmer	000 ⇔ 255	0–100%
106	–	–	–	–	Head 2 WW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
107	–	–	–	–	Head 2 CW/WW cell 3 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
108	63	–	–	67	Head 2 CW cell 4 dimmer	000 ⇔ 255	0–100%
109	–	–	–	–	Head 2 CW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
110	64	–	–	68	Head 2 WW cell 4 dimmer	000 ⇔ 255	0–100%
111	–	–	–	–	Head 2 WW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
112	–	–	–	–	Head 2 CW/WW cell 4 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
113	65	–	–	69	Head 2 CW cell 5 dimmer	000 ⇔ 255	0–100%
114	–	–	–	–	Head 2 CW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
115	66	–	–	70	Head 2 WW cell 5 dimmer	000 ⇔ 255	0–100%
116	–	–	–	–	Head 2 WW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
117	–	–	–	–	Head 2 CW/WW cell 5 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
118	67	–	–	71	Head 2 CW cell 6 dimmer	000 ⇔ 255	0–100%
119	–	–	–	–	Head 2 CW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
120	68	–	–	72	Head 2 WW cell 6 dimmer	000 ⇔ 255	0–100%
121	–	–	–	–	Head 2 WW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
122	–	–	–	–	Head 2 CW/WW cell 6 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
123	69	–	–	73	Head 2 CW cell 7 dimmer	000 ⇔ 255	0–100%
124	–	–	–	–	Head 2 CW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
125	70	–	–	74	Head 2 WW cell 7 dimmer	000 ⇔ 255	0–100%

A	S	B	H	R	Function	Value	Percent/Setting
126	–	–	–	–	Head 2 WW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
127	–	–	–	–	Head 2 CW/WW cell 7 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
128	71	–	–	75	Head 2 CW cell 8 dimmer	000 ⇔ 255	0–100%
129	–	–	–	–	Head 2 CW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
130	72	–	–	76	Head 2 WW cell 8 dimmer	000 ⇔ 255	0–100%
131	–	–	–	–	Head 2 WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
132	–	–	–	–	Head 2 CW/WW cell 8 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
133	–	–	–	77	Head 2 CW cells strobe	000 ⇔ 255	See the Strobe Chart
134	–	–	–	–	Head 2 CW cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
135	–	–	–	–	Head 2 CW cells macro	000 ⇔ 255	See the Cells Macro Chart
136	–	–	–	–	Head 2 CW cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
137	–	–	–	–	Head 2 CW cells macro delay	000 ⇔ 255	Fast to slow
138	–	–	–	78	Head 2 WW cells strobe	000 ⇔ 255	See the Strobe Chart
139	–	–	–	–	Head 2 WW cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
140	–	–	–	–	Head 2 WW cells macro	000 ⇔ 255	See the Cells Macro Chart
141	–	–	–	–	Head 2 WW cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
142	–	–	–	–	Head 2 WW cells macro delay	000 ⇔ 255	Fast to slow
–	–	42	54	–	Head 2 cells dimmer	000 ⇔ 255	0–100%
–	–	–	55	–	Head 2 cells fine dimmer	000 ⇔ 255	16-bit 0–100%
–	74	43	56	–	Head 2 cells CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
–	–	–	57	–	Head 2 cells fine CTC	000 ⇔ 255	Fine CTC, -29.675–0K
–	75	44	58	–	Head 2 cells strobe	000 ⇔ 255	See the Strobe Chart
–	76	45	59	–	Head 2 cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
–	77	46	60	–	Head 2 cells macro	000 ⇔ 255	See the Cells Macro Chart
–	78	47	61	–	Head 2 cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
–	78	48	62	–	Head 2 cells macro delay	000 ⇔ 255	Fast to slow
143	79	49	63	79	Head 3 Pan	000 ⇔ 255	0–100%
144	80	50	64	80	Head 3 Fine pan	000 ⇔ 255	16-bit 0–100%
145	81	51	65	81	Head 3 Tilt	000 ⇔ 255	0–100%
146	82	52	66	82	Head 3 Fine tilt	000 ⇔ 255	16-bit 0–100%
147	83	53	67	83	Head 3 Pan/Tilt speed	000 ⇔ 255	Fast to slow
148	84	54	68	84	Reserved	000 ⇔ 255	Reserved for future use
149	85	55	69	85	Head 3 center dimmer	000 ⇔ 255	0–100%
150	86	56	70	86	Head 3 center fine dimmer	000 ⇔ 255	16-bit 0–100%

A	S	B	H	R	Function	Value	Percent/Setting
151	**87**	**57**	**71**	**87**	**Head 3 center red**	000 ⇔ 255	0–100%
152	**–**	**–**	**72**	**88**	**Head 3 center fine red**	000 ⇔ 255	16-bit 0–100%
153	**88**	**58**	**73**	**89**	**Head 3 center green**	000 ⇔ 255	0–100%
154	**–**	**–**	**74**	**90**	**Head 3 center fine green**	000 ⇔ 255	16-bit 0–100%
155	**89**	**59**	**75**	**91**	**Head 3 center blue**	000 ⇔ 255	0–100%
156	**–**	**–**	**76**	**92**	**Head 3 center fine blue**	000 ⇔ 255	16-bit 0–100%
157	**90**	**60**	**77**	**93**	**Head 3 center white**	000 ⇔ 255	0–100%
158	**–**	**–**	**78**	**94**	**Head 3 center fine white**	000 ⇔ 255	16-bit 0–100%
159	**91**	**61**	**79**	**95**	**Head 3 center CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction, 2700–10000K
–	**–**	**–**	**80**	**–**	**Head 3 center fine CTC**	000 ⇔ 255	Fine CTC, -29.675–0K
160	**92**	**62**	**81**	**96**	**Head 3 zoom**	000 ⇔ 255	0–100%
161	**93**	**63**	**82**	**97**	**Head 3 fine zoom**	000 ⇔ 255	16-bit 0–100%
162	**94**	**64**	**83**	**98**	**Head 3 center strobe**	000 ⇔ 255	See the Strobe Chart
163	**95**	**65**	**84**	**99**	**Head 3 center color macro**	000 ⇔ 255	See the Color Macro Chart
164	**96**	**–**	**–**	**100**	**Head 3 CW cell 1 dimmer**	000 ⇔ 255	0–100%
165	**–**	**–**	**–**	**–**	**Head 3 CW cell 1 fine dimmer**	000 ⇔ 255	16-bit 0–100%
166	**97**	**–**	**–**	**101**	**Head 3 WW cell 1 dimmer**	000 ⇔ 255	0–100%
167	**–**	**–**	**–**	**–**	**Head 3 WW cell 1 fine dimmer**	000 ⇔ 255	16-bit 0–100%
168	**–**	**–**	**–**	**–**	**Head 3 CW/WW cell 1 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
169	**98**	**–**	**–**	**102**	**Head 3 CW cell 2 dimmer**	000 ⇔ 255	0–100%
170	**–**	**–**	**–**	**–**	**Head 3 CW cell 2 fine dimmer**	000 ⇔ 255	16-bit 0–100%
171	**99**	**–**	**–**	**103**	**Head 3 WW cell 2 dimmer**	000 ⇔ 255	0–100%
172	**–**	**–**	**–**	**–**	**Head 3 WW cell 2 fine dimmer**	000 ⇔ 255	16-bit 0–100%
173	**–**	**–**	**–**	**–**	**Head 3 CW/WW cell 2 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
174	**100**	**–**	**–**	**104**	**Head 3 CW cell 3 dimmer**	000 ⇔ 255	0–100%
175	**–**	**–**	**–**	**–**	**Head 3 CW cell 3 fine dimmer**	000 ⇔ 255	16-bit 0–100%
176	**101**	**–**	**–**	**105**	**Head 3 WW cell 3 dimmer**	000 ⇔ 255	0–100%
177	**–**	**–**	**–**	**–**	**Head 3 WW cell 3 fine dimmer**	000 ⇔ 255	16-bit 0–100%
178	**–**	**–**	**–**	**–**	**Head 3 CW/WW cell 3 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
179	**102**	**–**	**–**	**106**	**Head 3 CW cell 4 dimmer**	000 ⇔ 255	0–100%
180	**–**	**–**	**–**	**–**	**Head 3 CW cell 4 fine dimmer**	000 ⇔ 255	16-bit 0–100%
181	**103**	**–**	**–**	**107**	**Head 3 WW cell 4 dimmer**	000 ⇔ 255	0–100%
182	**–**	**–**	**–**	**–**	**Head 3 WW cell 4 fine dimmer**	000 ⇔ 255	16-bit 0–100%
183	**–**	**–**	**–**	**–**	**Head 3 CW/WW cell 4 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
184	**104**	**–**	**–**	**108**	**Head 3 CW cell 5 dimmer**	000 ⇔ 255	0–100%
185	**–**	**–**	**–**	**–**	**Head 3 CW cell 5 fine dimmer**	000 ⇔ 255	16-bit 0–100%
186	**105**	**–**	**–**	**109**	**Head 3 WW cell 5 dimmer**	000 ⇔ 255	0–100%
187	**–**	**–**	**–**	**–**	**Head 3 WW cell 5 fine dimmer**	000 ⇔ 255	16-bit 0–100%
188	**–**	**–**	**–**	**–**	**Head 3 CW/WW cell 5 CTC**	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
189	**106**	**–**	**–**	**110**	**Head 3 CW cell 6 dimmer**	000 ⇔ 255	0–100%
190	**–**	**–**	**–**	**–**	**Head 3 CW cell 6 fine dimmer**	000 ⇔ 255	16-bit 0–100%
191	**107**	**–**	**–**	**111**	**Head 3 WW cell 6 dimmer**	000 ⇔ 255	0–100%
192	**–**	**–**	**–**	**–**	**Head 3 WW cell 6 fine dimmer**	000 ⇔ 255	16-bit 0–100%

A	S	B	H	R	Function	Value	Percent/Setting
193	–	–	–	–	Head 3 CW/WW cell 6 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
194	108	–	–	112	Head 3 CW cell 7 dimmer	000 ⇔ 255	0–100%
195	–	–	–	–	Head 3 CW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
196	109	–	–	113	Head 3 WW cell 7 dimmer	000 ⇔ 255	0–100%
197	–	–	–	–	Head 3 WW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
198	–	–	–	–	Head 3 CW/WW cell 7 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
199	110	–	–	114	Head 3 CW cell 8 dimmer	000 ⇔ 255	0–100%
200	–	–	–	–	Head 3 CW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
201	111	–	–	115	Head 3 WW cell 8 dimmer	000 ⇔ 255	0–100%
202	–	–	–	–	Head 3 WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
203	–	–	–	–	Head 3 CW/WW cell 8 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
204	–	–	–	116	Head 3 CW cells strobe	000 ⇔ 255	See the Strobe Chart
205	–	–	–	–	Head 3 CW cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
206	–	–	–	–	Head 3 CW cells macro	000 ⇔ 255	See the Cells Macro Chart
207	–	–	–	–	Head 3 CW cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
208	–	–	–	–	Head 3 CW cells macro delay	000 ⇔ 255	Fast to slow
209	–	–	–	117	Head 3 WW cells strobe	000 ⇔ 255	See the Strobe Chart
210	–	–	–	–	Head 3 WW cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
211	–	–	–	–	Head 3 WW cells macro	000 ⇔ 255	See the Cells Macro Chart
212	–	–	–	–	Head 3 WW cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
213	–	–	–	–	Head 3 WW cells macro delay	000 ⇔ 255	Fast to slow
–	–	66	85	–	Head 3 cells dimmer	000 ⇔ 255	0–100%
–	–	–	86	–	Head 3 cells fine dimmer	000 ⇔ 255	16-bit 0–100%
–	112	67	87	–	Head 3 cells CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
–	–	–	88	–	Head 3 cells fine CTC	000 ⇔ 255	Fine CTC, -29.675–0K
–	113	68	89	–	Head 3 cells strobe	000 ⇔ 255	See the Strobe Chart
–	114	69	90	–	Head 3 cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
–	115	70	91	–	Head 3 cells macro	000 ⇔ 255	See the Cells Macro Chart
–	116	71	92	–	Head 3 cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
–	117	72	93	–	Head 3 cells macro delay	000 ⇔ 255	Fast to slow
214	118	73	94	118	Head 4 Pan	000 ⇔ 255	0–100%
215	119	74	95	119	Head 4 Fine pan	000 ⇔ 255	16-bit 0–100%
216	120	75	96	120	Head 4 Tilt	000 ⇔ 255	0–100%

A	S	B	H	R	Function	Value	Percent/Setting
217	121	76	97	121	Head 4 Fine tilt	000 ⇔ 255	16-bit 0–100%
218	122	77	98	122	Head 4 Pan/Tilt speed	000 ⇔ 255	Fast to slow
219	123	78	99	123	Reserved	000 ⇔ 255	Reserved for future use
220	124	79	100	124	Head 4 center dimmer	000 ⇔ 255	0–100%
221	125	80	101	125	Head 4 center fine dimmer	000 ⇔ 255	16-bit 0–100%
222	126	81	102	126	Head 4 center red	000 ⇔ 255	0–100%
223	–	–	103	127	Head 4 center fine red	000 ⇔ 255	16-bit 0–100%
224	127	82	104	128	Head 4 center green	000 ⇔ 255	0–100%
225	–	–	105	129	Head 4 center fine green	000 ⇔ 255	16-bit 0–100%
226	128	83	106	130	Head 4 center blue	000 ⇔ 255	0–100%
227	–	–	107	131	Head 4 center fine blue	000 ⇔ 255	16-bit 0–100%
228	129	84	108	132	Head 4 center white	000 ⇔ 255	0–100%
229	–	–	109	133	Head 4 center fine white	000 ⇔ 255	16-bit 0–100%
230	130	85	110	134	Head 4 center CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction, 2700–10000K
–	–	–	111	–	Head 4 center fine CTC	000 ⇔ 255	Fine CTC, -29.675–0K
231	131	86	112	135	Head 4 zoom	000 ⇔ 255	0–100%
232	132	87	113	136	Head 4 fine zoom	000 ⇔ 255	16-bit 0–100%
233	133	88	114	137	Head 4 center strobe	000 ⇔ 255	See the Strobe Chart
234	134	89	115	138	Head 4 center color macro	000 ⇔ 255	See the Color Macro Chart
235	135	–	–	139	Head 4 CW cell 1 dimmer	000 ⇔ 255	0–100%
236	–	–	–	–	Head 4 CW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
237	136	–	–	140	Head 4 WW cell 1 dimmer	000 ⇔ 255	0–100%
238	–	–	–	–	Head 4 WW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
239	–	–	–	–	Head 4 CW/WW cell 1 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
240	137	–	–	141	Head 4 CW cell 2 dimmer	000 ⇔ 255	0–100%
241	–	–	–	–	Head 4 CW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
242	138	–	–	142	Head 4 WW cell 2 dimmer	000 ⇔ 255	0–100%
243	–	–	–	–	Head 4 WW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
244	–	–	–	–	Head 4 CW/WW cell 2 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
245	139	–	–	143	Head 4 CW cell 3 dimmer	000 ⇔ 255	0–100%
246	–	–	–	–	Head 4 CW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
247	140	–	–	144	Head 4 WW cell 3 dimmer	000 ⇔ 255	0–100%
248	–	–	–	–	Head 4 WW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
249	–	–	–	–	Head 4 CW/WW cell 3 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
250	141	–	–	145	Head 4 CW cell 4 dimmer	000 ⇔ 255	0–100%
251	–	–	–	–	Head 4 CW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
252	142	–	–	146	Head 4 WW cell 4 dimmer	000 ⇔ 255	0–100%
253	–	–	–	–	Head 4 WW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
257	–	–	–	–	Head 4 CW/WW cell 4 CTC	000 ⇔ 009 010 ⇔ 255	No function Color temperature correction presets
255	143	–	–	147	Head 4 CW cell 5 dimmer	000 ⇔ 255	0–100%
256	–	–	–	–	Head 4 CW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
257	144	–	–	148	Head 4 WW cell 5 dimmer	000 ⇔ 255	0–100%
258	–	–	–	–	Head 4 WW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%

A	S	B	H	R	Function	Value	Percent/Setting
259	–	–	–	–	Head 4 CW/WW cell 5 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
260	145	–	–	149	Head 4 CW cell 6 dimmer	000 ⇔ 255	0–100%
261	–	–	–	–	Head 4 CW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
262	146	–	–	150	Head 4 WW cell 6 dimmer	000 ⇔ 255	0–100%
263	–	–	–	–	Head 4 WW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
264	–	–	–	–	Head 4 CW/WW cell 6 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
265	147	–	–	151	Head 4 CW cell 7 dimmer	000 ⇔ 255	0–100%
266	–	–	–	–	Head 4 CW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
267	148	–	–	152	Head 4 WW cell 7 dimmer	000 ⇔ 255	0–100%
268	–	–	–	–	Head 4 WW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
269	–	–	–	–	Head 4 CW/WW cell 7 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
270	149	–	–	153	Head 4 CW cell 8 dimmer	000 ⇔ 255	0–100%
271	–	–	–	–	Head 4 CW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
272	150	–	–	154	Head 4 WW cell 8 dimmer	000 ⇔ 255	0–100%
273	–	–	–	–	Head 4 WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
274	–	–	–	–	Head 4 CW/WW cell 8 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
275	–	–	–	155	Head 4 CW cells strobe	000 ⇔ 255	See the Strobe Chart
276	–	–	–	–	Head 4 CW cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
277	–	–	–	–	Head 4 CW cells macro	000 ⇔ 255	See the Cells Macro Chart
278	–	–	–	–	Head 4 CW cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
279	–	–	–	–	Head 4 CW cells macro delay	000 ⇔ 255	Fast to slow
280	–	–	–	156	Head 4 WW cells strobe	000 ⇔ 255	See the Strobe Chart
281	–	–	–	–	Head 4 WW cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
282	–	–	–	–	Head 4 WW cells macro	000 ⇔ 255	See the Cells Macro Chart
283	–	–	–	–	Head 4 WW cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
284	–	–	–	–	Head 4 WW cells macro delay	000 ⇔ 255	Fast to slow
–	–	90	116	–	Head 4 cells dimmer	000 ⇔ 255	0–100%
–	–	–	117	–	Head 4 cells fine dimmer	000 ⇔ 255	16-bit 0–100%
–	151	91	118	–	Head 4 cells CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
–	–	–	119	–	Head 4 cells fine CTC	000 ⇔ 255	Fine CTC, -29.675–0K
–	152	92	120	–	Head 4 cells strobe	000 ⇔ 255	See the Strobe Chart
–	153	93	121	–	Head 4 cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
–	154	94	122	–	Head 4 cells macro	000 ⇔ 255	See the Cells Macro Chart

A	S	B	H	R	Function	Value	Percent/Setting
–	155	95	123	–	Head 4 cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
–	156	96	124	–	Head 4 cells macro delay	000 ⇔ 255	Fast to slow
285	157	97	125	157	Head 5 Pan	000 ⇔ 255	0–100%
286	158	98	126	158	Head 5 Fine pan	000 ⇔ 255	16-bit 0–100%
287	159	99	127	159	Head 5 Tilt	000 ⇔ 255	0–100%
288	160	100	128	160	Head 5 Fine tilt	000 ⇔ 255	16-bit 0–100%
289	161	101	129	161	Head 5 Pan/Tilt speed	000 ⇔ 255	Fast to slow
290	162	102	130	162	Reserved	000 ⇔ 255	Reserved for future use
291	163	103	131	163	Head 5 center dimmer	000 ⇔ 255	0–100%
292	164	104	132	164	Head 5 center fine dimmer	000 ⇔ 255	16-bit 0–100%
293	165	105	133	165	Head 5 center red	000 ⇔ 255	0–100%
294	–	–	134	166	Head 5 center fine red	000 ⇔ 255	16-bit 0–100%
295	166	106	135	167	Head 5 center green	000 ⇔ 255	0–100%
296	–	–	136	168	Head 5 center fine green	000 ⇔ 255	16-bit 0–100%
297	167	107	137	169	Head 5 center blue	000 ⇔ 255	0–100%
298	–	–	138	170	Head 5 center fine blue	000 ⇔ 255	16-bit 0–100%
299	168	108	139	171	Head 5 center white	000 ⇔ 255	0–100%
300	–	–	140	172	Head 5 center fine white	000 ⇔ 255	16-bit 0–100%
301	169	109	141	173	Head 5 center CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction, 2700–10000K
–	–	–	142	–	Head 5 center fine CTC	000 ⇔ 255	Fine CTC, -29.675–0K
302	170	110	143	174	Head 5 zoom	000 ⇔ 255	0–100%
303	171	111	144	175	Head 5 fine zoom	000 ⇔ 255	16-bit 0–100%
304	172	112	145	176	Head 5 center strobe	000 ⇔ 255	See the Strobe Chart
305	173	113	146	177	Head 5 center color macro	000 ⇔ 255	See the Color Macro Chart
306	174	–	–	178	Head 5 CW cell 1 dimmer	000 ⇔ 255	0–100%
307	–	–	–	–	Head 5 CW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
308	175	–	–	179	Head 5 WW cell 1 dimmer	000 ⇔ 255	0–100%
309	–	–	–	–	Head 5 WW cell 1 fine dimmer	000 ⇔ 255	16-bit 0–100%
310	–	–	–	–	Head 5 CW/WW cell 1 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
311	176	–	–	180	Head 5 CW cell 2 dimmer	000 ⇔ 255	0–100%
312	–	–	–	–	Head 5 CW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
313	177	–	–	181	Head 5 WW cell 2 dimmer	000 ⇔ 255	0–100%
314	–	–	–	–	Head 5 WW cell 2 fine dimmer	000 ⇔ 255	16-bit 0–100%
315	–	–	–	–	Head 5 CW/WW cell 2 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
316	178	–	–	182	Head 5 CW cell 3 dimmer	000 ⇔ 255	0–100%
317	–	–	–	–	Head 5 CW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
318	179	–	–	183	Head 5 WW cell 3 dimmer	000 ⇔ 255	0–100%
319	–	–	–	–	Head 5 WW cell 3 fine dimmer	000 ⇔ 255	16-bit 0–100%
320	–	–	–	–	Head 5 CW/WW cell 3 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
321	180	–	–	184	Head 5 CW cell 4 dimmer	000 ⇔ 255	0–100%
322	–	–	–	–	Head 5 CW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%
323	181	–	–	185	Head 5 WW cell 4 dimmer	000 ⇔ 255	0–100%
324	–	–	–	–	Head 5 WW cell 4 fine dimmer	000 ⇔ 255	16-bit 0–100%

A	S	B	H	R	Function	Value	Percent/Setting
325	–	–	–	–	Head 5 CW/WW cell 4 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
326	182	–	–	186	Head 5 CW cell 5 dimmer	000 ⇔ 255	0–100%
327	–	–	–	–	Head 5 CW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
328	183	–	–	187	Head 5 WW cell 5 dimmer	000 ⇔ 255	0–100%
329	–	–	–	–	Head 5 WW cell 5 fine dimmer	000 ⇔ 255	16-bit 0–100%
330	–	–	–	–	Head 5 CW/WW cell 5 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
331	184	–	–	188	Head 5 CW cell 6 dimmer	000 ⇔ 255	0–100%
332	–	–	–	–	Head 5 CW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
333	185	–	–	189	Head 5 WW cell 6 dimmer	000 ⇔ 255	0–100%
334	–	–	–	–	Head 5 WW cell 6 fine dimmer	000 ⇔ 255	16-bit 0–100%
335	–	–	–	–	Head 5 CW/WW cell 6 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
336	186	–	–	190	Head 5 CW cell 7 dimmer	000 ⇔ 255	0–100%
337	–	–	–	–	Head 5 CW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
338	187	–	–	191	Head 5 WW cell 7 dimmer	000 ⇔ 255	0–100%
339	–	–	–	–	Head 5 WW cell 7 fine dimmer	000 ⇔ 255	16-bit 0–100%
340	–	–	–	–	Head 5 CW/WW cell 7 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
341	188	–	–	192	Head 5 CW cell 8 dimmer	000 ⇔ 255	0–100%
342	–	–	–	–	Head 5 CW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
343	189	–	–	193	Head 5 WW cell 8 dimmer	000 ⇔ 255	0–100%
344	–	–	–	–	Head 5 WW cell 8 fine dimmer	000 ⇔ 255	16-bit 0–100%
345	–	–	–	–	Head 5 CW/WW cell 8 CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
346	–	–	–	194	Head 5 CW cells strobe	000 ⇔ 255	See the Strobe Chart
347	–	–	–	–	Head 5 CW cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
348	–	–	–	–	Head 5 CW cells macro	000 ⇔ 255	See the Cells Macro Chart
349	–	–	–	–	Head 5 CW cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
350	–	–	–	–	Head 5 CW cells macro delay	000 ⇔ 255	Fast to slow
351	–	–	–	195	Head 5 WW cells strobe	000 ⇔ 255	See the Strobe Chart
352	–	–	–	–	Head 5 WW cells pattern	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
353	–	–	–	–	Head 5 WW cells macro	000 ⇔ 255	See the Cells Macro Chart
354	–	–	–	–	Head 5 WW cells macro speed	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
355	–	–	–	–	Head 5 WW cells macro delay	000 ⇔ 255	Fast to slow
–	–	114	147	–	Head 5 cells dimmer	000 ⇔ 255	0–100%
–	–	–	148	–	Head 5 cells fine dimmer	000 ⇔ 255	16-bit 0–100%
–	190	115	149	–	Head 5 cells CTC	000 ⇔ 009	No function
						010 ⇔ 255	Color temperature correction presets
–	–	–	150	–	Head 5 cells fine CTC	000 ⇔ 255	Fine CTC, -29.675–0K

A	S	B	H	R	Function	Value	Percent/Setting
–	191	116	151	–	**Head 5 cells strobe**	000 ⇔ 255	See the Strobe Chart
–	192	117	152	–	**Head 5 cells pattern**	000	No function
						001 ⇔ 215	Pattern 1–215
						216 ⇔ 255	Pattern 216
–	193	118	153	–	**Head 5 cells macro**	000 ⇔ 255	See the Cells Macro Chart
–	194	119	154	–	**Head 5 cells macro speed**	000 ⇔ 127	Fast to slow
						128	Stop
						129 ⇔ 255	Slow to fast
–	195	120	155	–	**Head 5 cells macro delay**	000 ⇔ 255	Fast to slow

Test Configuration

Auto Test

To run an automatic test of all functions, go to the **Run Mode** main level and select the **Auto** option.

Manual Test

To manually test any function:

1. Go to the **Run Mode** main level.
2. Select the **Manual Test** option.
3. Select the desired function (**Pan**, **Tilt**, **Pan/Tilt Speed**, **Red**, **Green**, **Blue**, **White**, **Cell Dimmer CW**, **Cell Dimmer WW**, **Center CTC**, **Cell CTC**, **Center Color**, **Cell Pattern**, **Cell Macro**, **Cell Macro Speed**, **Cell Macro Delay**, **Center Dimmer**, **Center Strobe**, **Strobe Cell**, **Zoom**, or **CONTROL**).
4. Set the value (**0–255**).

Settings Configuration

Pan Reverse

To set the direction of the pan function:

1. Go to the **Setup** main level.
2. Select the **Pan Reverse** option.
3. Select from **NO** (normal pan) or **YES** (reverse pan).

Tilt Reverse

To set the direction of the tilt function:

1. Go to the **Setup** main level.
2. Select the **Tilt Reverse** option.
3. Select from **NO** (normal tilt) or **YES** (reverse tilt).

Zoom Reverse

To set the direction of the zoom function:

1. Go to the **Setup** main level.
2. Select the **Zoom Reverse** option.
3. Select from **NO** (normal zoom) or **YES** (reverse zoom).

Screen Reverse

To set the orientation of the display:

1. Go to the **Setup** main level.
2. Select the **Screen Reverse** option.
3. Select from **NO** (normal screen), **YES** (inverted screen), or **AUTO** (detect orientation).

Pan Angle

To set the movement range of the pan function in degrees:

1. Go to the **Setup** main level.
2. Select the **Pan Angle** option.
3. Select the angle range (**60**, **40**, or **20**).

Tilt Angle

To set the movement range of the tilt function in degrees:

1. Go to the **Setup** main level.
2. Select the **Tilt Angle** option.
3. Select the angle range (**190**, **180**, or **60**).

Blackout on Pan/Tilt Movement

To set whether the product will black out on pan and tilt movement:

To set the movement range of the pan function in degrees:

1. Go to the **Setup** main level.
2. Select the **BL. O.P/T Move** option.
3. Select from **NO** (do not black out) or **YES** (black out on pan/tilt movement).

Display Backlight

To set how long the display will stay lit without activity:

1. Go to the **Setup** main level.
2. Select the **Backlight Timer** option.
3. Select from **30S** (30 seconds), **1M** (1 minute), **5M** (5 minutes), or **ON** (always on).

Loss of Data

To select how the product will respond to a loss of the control signal:

1. Go to the **Setup** main level.
2. Select the **Loss of Data** option.
3. Select from **Hold** (continue the last instruction received) or **Blackout** (black out on data loss).

Red Shift

With red shift enabled, the color temperature will warm as the dimmer decreases in imitation of a lamp. To enable or disable the red shift function:

1. Go to the **Red Shift** main level.
2. Select from **On** or **Off**.

Fan Mode

To set the fan mode:

1. Go to the **Setup** main level.
2. Select the **FAN Mode** option.
3. Select the fan mode, from **Auto** (adjusts to product temperature), **Full** (full output), or **ECO** (silent mode).

Color Mixing Mode

To select between additive and subtractive color mixing modes:

1. Go to the **Setup** main level.
2. Select the **C Mixing Mode** option.
3. Select **RGBW** (additive mode: red, green, blue, and white), or **CMY** (subtractive mode: red controls cyan, green controls magenta, blue controls yellow).

Dimmer Curve

To set the dimmer curve:

1. Go to the **Setup** main level.
2. Select the **Dimmer Curve** option.
3. Select from **Linear**, **Square**, **I Squa**, or **SCurve**.

Dimmer Speed

To set the dimmer speed:

1. Go to the **Setup** main level.
2. Select the **Dimmer Speed** option.
3. Select the dimmer speed from **Smooth** or **Fast**.

Pulse Width Modulation

To set the frequency of the pulse width modulation:

1. Go to the **Setup** main level.
2. Select the **PWM Option** option.
3. Select the PWM frequency, from **600Hz**, **1200Hz**, **2000Hz**, **4000Hz**, **6000Hz**, or **15000Hz**.

Cell Order

To set the order of the cells:

1. Go to the **Setup** main level.
2. Select the **Cell Order** option.
3. Select from **1 > 5** or **5 > 1**.

Calibrated White

To set the white mode:

1. Go to the **Setup** main level.
2. Select the **Calibrated White** option.
3. Select from **ON** (uses the factory-calibrated white balance), **OFF** (uses the maximum white values), or **Custom** (uses the custom white values defined under **White Balance**).

White Balance

To configure the white balance when **Calibrated White** is set to **Custom**:

1. Go to the **Setup** main level.
2. Select the **White Balance** option.
3. Select from **Red**, **Green**, **Blue**, or **White**.
4. Select a value from **000–255**
5. Repeat steps 3–4 until the colors are calibrated as desired.

Preset select

This option saves three different preset menu option configurations. To record and set these presets, follow the instructions below:

1. Go to the **Settings** main level.
2. Select the **Preset Select** option.
3. Select from **Preset A**, **Preset B**, or **Preset C**.
4. The product will reset. Any changes made to the menu options will be saved to this preset.

- Default is **Preset A**. Once changes are made inside **Preset A**, those changes are saved to **Preset A** without having to do anything.
- To create a new preset, highlight and select **Preset Select**. Highlight **Preset B** or **Preset C** and press **<Enter>**. The product will reset automatically. Go back and make the necessary changes in the menu. This will automatically save to the present preset.

Preset sync

To sync all menu presets to other COLORado PXL Curve 5es:

1. Go to the **Settings** main level.
2. Select the **Preset Sync** option.
3. Select **NO** or **YES**.

- **To sync other COLORado PXL Curve 5 products, connect those products via DMX cable.**
- **The product can be in any control mode.**
- **All menu options are transferred, including the DMX address. Only the IP address is not affected in the other products.**

Only connect COLORado PXL Curve 5 products.

Pixel Calibration

To calibrate the each individual red, green, and blue LED:

1. Go to the **Setup** main level.
2. Select the **Pixel calibration** option.
3. Select the LED by color and number, from **R1**, **G1**, **B1**, **R2**, **G2**, **B2**, **R3**, **G3**, **B3**, **R4**, **G4**, **B4**, **R5**, **G5**, or **B5**.
4. Select a value from **000–255**
5. Repeat steps 3–4 until the colors are calibrated as desired.

TV Reset Mode

To set the COLORado PXL Curve 5 to be quieter on startup:

1. Go to the **Setup** main level.
2. Select **TV Reset Mode**.
3. Select **NO** (normal startup calibration) or **YES** (quieter startup calibration).

Tilt Mode

To set the tilt mode:

1. Go to the **Setup** main level.
2. Select the **Tilt Mode** option.
3. Select the tilt mode from **Smooth** or **Fast**.

Reset Function

To reset factory defaults settings for all motors, pan and tilt, zoom, or all functions:

1. Go to the **Setup**main level.
2. Select the **Reset Function** option.
3. Select the function to be reset (**Pan/Tilt**, **Zoom**, or **All**).
4. Select **NO** (do not reset) or **YES** (reset).

Factory Reset

To reset the product to factory default settings:

1. Go to the **Factory Settings** main level.
2. Select **NO** (do not reset) or **YES** (reset).

System Information

All the information about the current status of the COLORado PXL Curve 5 is available through the product's **Information** menu. To view this information, follow the instructions below:

1. Go to the **Sys Info** main level.
2. Choose the desired information from the following:
   - **Firmware Version** – displays the current firmware version
   - **Running Mode** – displays the current running mode
   - **Address** – displays the current starting address
   - **Temperature** – displays the current product temperature in °C
   - **Fixture Time** – displays the number of hours the fixture has been powered on
   - **LED Hours** – displays the total hours the LED has been powered on
   - **ArtNet Info** – displays the current IP address, Subnet Mask, and MAC address
   - **Device UID** – displays the product UID
   - **Fan Information** – displays the speed of the fans

Zero Adjust

The **Zero Adjust** menu provides fine adjustments for the home position of the pan, tilt, and zoom motors, as well as the MAC and RDM addresses.

1. Starting from the home screen, press and hold <**Menu**> until the passcode screen appears.
2. Enter the passcode **2323**.

Pan

To adjust the starting point of the pan motors, do the following:

1. Select from **PAN1–5**.
2. Increase or decrease the starting value, from **000** to **255**.

Tilt

To adjust the starting point of the tilt motors, do the following:

1. Select from **TILT1–5**.
2. Increase or decrease the starting value, from **000** to **255**.

Zoom

To adjust the starting point of the zoom motors, follow the instructions below:

1. Select from **ZOOM1–5**.
2. Increase or decrease the starting value, from **000** to **255**.

MAC Address

To adjust the fourth, fifth, and sixth digit of the MAC address, do the following:

1. Select from **MAC–6**.
2. Increase or decrease the starting value, from **000** to **255**.

RDM Address

To adjust the fourth, fifth, and sixth digit of the RDM address, do the following:

1. Select from **RDM4**–**6**.
2. Increase or decrease the starting value, from **000** to **255**.

Web Server

The COLORado PXL Curve 5 Web Server can be accessed by any computer on the same network as the product. It allows network access to system information, settings such as software updates, control protocol and starting address, color output testing, and the ability to change the Web Server password.

1. Connect the product to a Windows computer with a network cable.
2. On the computer, set the IP address of the new network to have the same first 3 digits as the IP address of the product (See Network Setting).
3. Enter the IP address of the product into the URL bar of a web browser on the computer.
4. Enter both the User Name and Password as **admin** to log in.

Home

The Web Server Home page displays the details of all available control personalities and the technical specifications for the COLORado PXL Curve 5.

Settings

The Web Server Settings page provides options for control. From the drop-down menus, the Protocol, Universe, Start Address, IP Address, Ethernet to DMX, Personality, Dimmer Curve, Dimmer Mode, and PWM Frequency can all be edited. Click **Save Settings** to send the new configuration to the product.

Output

On the Web Server Output page, an output test of the product's LEDs can be performed, by either editing the values of each LED manually (by typing the number or moving the fader), or by selecting a sample color. The page will show the current output color on the bottom left.

Security

The Web Server Security page gives the option to change the password to the connected product's web server. Enter the old password (**admin**, by default) and the new password twice, then click **Save Settings** to change the password.

Error Codes

See the table below for error codes and recommended solutions:

Error Code	Possible Reason	Potential Solution
CPU-A	The display PCB is damaged	Replace the display board
	CPU-A software upload failed	Re-upload the CPU-A software
CPU-B	The Head 1 driver PCB is damaged	Replace the Head 1 driver board
	CPU-B software upload failed	Re-upload the CPU-B software
CPU-C	The Head 2 driver PCB is damaged	Replace the Head 2 driver board
	CPU-C software upload failed	Re-upload the CPU-C software
CPU-D	The Head 3 driver PCB is damaged	Replace the Head 3 driver board
	CPU-D software upload failed	Re-upload the CPU-D software
CPU-E	The Head 4 driver PCB is damaged	Replace the Head 4 driver board
	CPU-E software upload failed	Re-upload the CPU-E software
CPU-F	The Head 5 driver PCB is damaged	Replace the Head 5 driver board
	CPU-F software upload failed	Re-upload the CPU-F software
CPU-G	The Tilt 1 driver PCB is damaged	Replace the Tilt 1 driver board
	CPU-G software upload failed	Re-upload the CPU-G software
CPU-H	The Tilt 2 driver PCB is damaged	Replace the Tilt 2 driver board
	CPU-H software upload failed	Re-upload the CPU-H software
CPU-I	The Tilt 3 driver PCB is damaged	Replace the Tilt 3 driver board
	CPU-I software upload failed	Re-upload the CPU-I software
CPU-J	The Tilt 4 driver PCB is damaged	Replace the Tilt 4 driver board
	CPU-J software upload failed	Re-upload the CPU-J software
CPU-K	The Tilt 5 driver PCB is damaged	Replace the Tilt 5 driver board
	CPU-K software upload failed	Re-upload the CPU-K software
DFAN1	DFAN1 is damaged	Replace DFAN1
	Fan wires have poor connection	Check fan wire connection
DFAN2	DFAN2 is damaged	Replace DFAN2
	Fan wires have poor connection	Check fan wire connection
LFAN1	LFAN1 is damaged	Replace LFAN1
	Fan wires have poor connection	Check fan wire connection
LFAN2	LFAN2 is damaged	Replace LFAN2
	Fan wires have poor connection	Check fan wire connection
LFAN3	LFAN3 is damaged	Replace LFAN3
	Fan wires have poor connection	Check fan wire connection
LFAN4	LFAN4 is damaged	Replace LFAN4
	Fan wires have poor connection	Check fan wire connection
LFAN5	LFAN5 is damaged	Replace LFAN5
	Fan wires have poor connection	Check fan wire connection
LFAN6	LFAN6 is damaged	Replace LFAN6
	Fan wires have poor connection	Check fan wire connection
LFAN7	LFAN7 is damaged	Replace LFAN7
	Fan wires have poor connection	Check fan wire connection
LFAN8	LFAN8 is damaged	Replace LFAN8
	Fan wires have poor connection	Check fan wire connection
LFAN9	LFAN9 is damaged	Replace LFAN9
	Fan wires have poor connection	Check fan wire connection

Error Code	Possible Reason	Potential Solution
LFAN10	LFAN10 is damaged	Replace LFAN10
	Fan wires have poor connection	Check fan wire connection
LED1 HOT	LED 1 overheated	Do a factory reset
		Update software
		Check connections
		Check fan functions
LED2 HOT	LED 2 overheated	Do a factory reset
		Update software
		Check connections
		Check fan functions
LED3 HOT	LED 3 overheated	Do a factory reset
		Update software
		Check connections
		Check fan functions
LED4 HOT	LED 4 overheated	Do a factory reset
		Update software
		Check connections
		Check fan functions
LED5 HOT	LED 5 overheated	Do a factory reset
		Update software
		Check connections
		Check fan functions
Thermistor1 Open	Thermistor 1 open	Do a factory reset
		Update software
		Check connection
		Replace thermistor
Thermistor2 Open	Thermistor 2 open	Do a factory reset
		Update software
		Check connection
		Replace thermistor
Thermistor3 Open	Thermistor 3 open	Do a factory reset
		Update software
		Check connection
		Replace thermistor
Thermistor4 Open	Thermistor 4 open	Do a factory reset
		Update software
		Check connection
		Replace thermistor
Thermistor5 Open	Thermistor 5 open	Do a factory reset
		Update software
		Check connection
		Replace thermistor
Thermistor1 Short	Thermistor 1 short	Do a factory reset
		Update software
		Check connection
		Replace thermistor

Error Code	Possible Reason	Potential Solution
Thermistor2 Short	Thermistor 2 short	Do a factory reset
		Update software
		Check connection
		Replace thermistor
Thermistor3 Short	Thermistor 3 short	Do a factory reset
		Update software
		Check connection
		Replace thermistor
Thermistor4 Short	Thermistor 4 short	Do a factory reset
		Update software
		Check connection
		Replace thermistor
Thermistor5 Short	Thermistor 5 short	Do a factory reset
		Update software
		Check connection
		Replace thermistor
X_op1	Pan 1 optocoupler board is damaged	Replace the pan 1 optocoupler board
	Head 1 driver board is damaged	Replace the head 1 driver board
X_op2	Pan 2 optocoupler board is damaged	Replace the pan 2 optocoupler board
	Head 2 driver board is damaged	Replace the head 2 driver board
X_op3	Pan 3 optocoupler board is damaged	Replace the pan 3 optocoupler board
	Head 3 driver board is damaged	Replace the head 3 driver board
X_op4	Pan 4 optocoupler board is damaged	Replace the pan 4 optocoupler board
	Head 4 driver board is damaged	Replace the head 4 driver board
X_op5	Pan 5 optocoupler board is damaged	Replace the pan 5 optocoupler board
	Head 5 driver board is damaged	Replace the head 5 driver board
Y_op1	Tilt 1 optocoupler board is damaged	Replace the tilt 1 optocoupler board
	Tilt 1 driver board is damaged	Replace the tilt 1 driver board
Y_op2	Tilt 2 optocoupler board is damaged	Replace the tilt 2 optocoupler board
	Tilt 2 driver board is damaged	Replace the tilt 2 driver board
Y_op3	Tilt 3 optocoupler board is damaged	Replace the tilt 3 optocoupler board
	Tilt 3 driver board is damaged	Replace the tilt 3 driver board
Y_op4	Tilt 4 optocoupler board is damaged	Replace the tilt 4 optocoupler board
	Tilt 4 driver board is damaged	Replace the tilt 4 driver board
Y_op5	Tilt 5 optocoupler board is damaged	Replace the tilt 5 optocoupler board
	Tilt 5 driver board is damaged	Replace the tilt 5 driver board

5. Maintenance

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/or mechanical wear. To maintain optimum performance and minimize wear, clean each lighting product at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

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 surface/vents.
4. Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
5. Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue.
6. Softly drag any dirt or grime to the outside of the transparent surface.
7. Gently polish the transparent surfaces until they are free of haze and lint.

Always dry the transparent surfaces carefully after cleaning them.

Do not spin the cooling fans with compressed air. Damage may result.

Torque Measurements

To maintain the IP rating when reassembling the product, use the given torque measurements for each of the following screws and bolts:

Fixture Parts	Torque Rating (Nm)	Torque Rating (Kgf.cm)	Torque Rating (lbf.in)
Screws inside feet	1.0	10.1972	8.8507
Base screws around outside (not the feet)	2.0	20.3943	17.7015
Safety cable pass-through	2.0	20.3943	17.7015
Omega bracket holder screws	1.2	12.2366	10.6209
Hex screws around Omega bracket holder	2.0	20.3943	17.7015
Carry handle hex screws	3.5	35.6901	30.9776
Hex screws around display	1.5	15.2957	13.2761
Screws around power and data ports	0.35	3.5690	3.0978
Base GORE® valve	0.6	6.1183	5.3104
Head screws	1.6	16.3155	14.1612
Hex screws holding lens cover	1.6	16.3155	14.1612
Yoke screws	1.0	10.1972	8.8507

Vacuum Test Measurements

Use the IP Tester from Chauvet Professional to ensure the product has been reassembled correctly by following the information below:

Parameters	Values
Method	Positive
Test pressure	2.18 kPa
Test duration	60 seconds
PASS state leak pressure	<0.02 kPa

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
39.33 in (999 mm)	8.86 in (225 mm)	13.50 in (343 mm)	71.4 lb (32.4 kg)

Note: Dimensions in inches are rounded.

Power

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

Parameter	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Consumption	1137 W	1136 W	1105 W	1113 W	1118 W
Operating Current	15.12 A	12.35 A	7.08 A	6.41 A	6.12 A
Resting Consumption	93 W	93 W	90 W	90 W	90 W
Resting Current	0.96 A	0.83 A	0.64 A	0.60 A	0.62 A
Power Linking Current (Products)	12 A (1 product)	12 A (1 product)	12 A 2 products)	12 A 2 products)	12 A 2 products)

Power I/O	U.S./Worldwide	UK/Europe
Power Input Connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power Output Connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power Cable plug	Edison	Local plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	RGBW	5	120 W	4.5 A	50,000 hours
SMD LED	WW	400			50,000 hours
	CW	400			50,000 hours

Photometrics

Color Temperature Range	CRI	TLCI
3200 to 7500 K	46.3	22

Zoom Position	Beam Angle	Field Angle	Cutoff Angle
Spot (8°)	8.3°	10.3°	10.7°
50%	14.7°	24.1°	132.2°
Flood (155.1°)	30.4°	115.8°	155.1°

Zoom Range	Illuminance @ 5 m (Spot)	Illuminance @ 5 m (Flood)	Lumens
8° to 155.1°	18,062 lux	2,166 lux	42,172

Thermal

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

Control

DMX I/O Connector	Art-Net™/sACN I/O Connector	Channel Range
3-pin or 5-pin XLR	Seetronic etherCON IP65	120, 155, 190, or 355

Ordering

Product Name	Item Name	Item Code	UPC Number
COLORado PXL Curve 5	COLORADOPXLCURVE5	08012782	781462231309

UL 1573
CSA C22.2 No. 166
E113093

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Warranty & Returns

For warranty terms and conditions and return information, 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.