

# ROGUE



## User Manual



Model ID: ROGUER1XWASH

**CHAUVET**  
PROFESSIONAL

## Edition Notes

The Rogue R1X Wash User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Rogue R1X Wash as of the release date of this edition.

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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](http://www.chauvetprofessional.com) for the latest version.

Revision	Date	Description
7	08/2025	Added error code information

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## Before You Begin

# 1. Before You Begin

## What Is Included

- Rogue R1X Wash
- Neutrik® powerCon® power cord
- Omega bracket 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
<b>1–512</b>	A range of values
<b>50/60</b>	A set of values of which only one can be chosen
<b>Settings</b>	A menu option not to be modified
<b>&lt;ENTER&gt;</b>	A key to be pressed on the product's control panel

## Symbols

Symbol	Meaning
	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	Pinch point warning. Not following these instructions may result in damage to, or loss of, tools, digits, or limbs.
	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.

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 11.5 ft (3.5 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.
  - Replace the fuse with the same type and rating.
  - 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 20 cm 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.
  - Operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it (adhere to standards for the published IP rating).
- **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.**

## Before You Begin

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### 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.

### Expected LED Lifespan

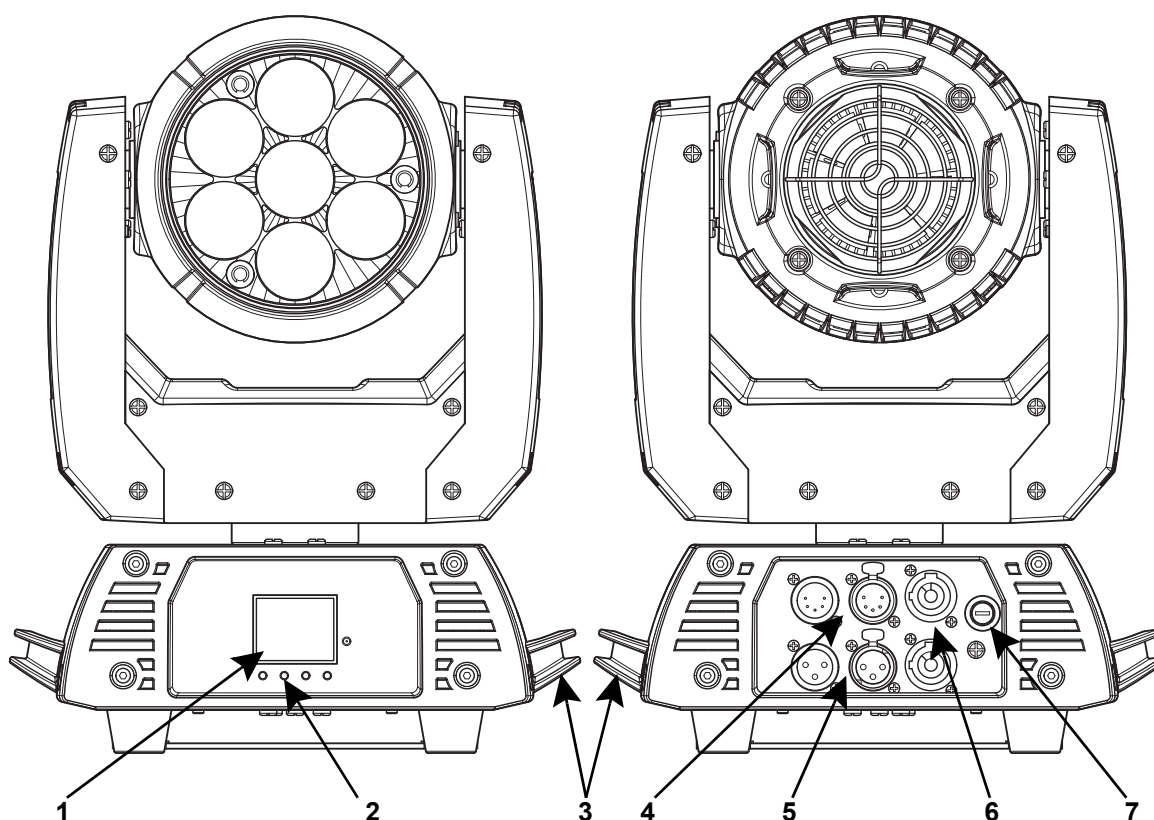
Over time, use and heat will gradually reduce LED brightness. Clustered LEDs produce more heat than single LEDs, contributing to shorter lifespans if always used at full intensity. The average LED lifespan is 40,000 to 50,000 hours. To extend LED lifespan, maintain proper ventilation around the product,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

## 2. Introduction

### Features

- Fully featured RGBW LED yoke wash fixture with zoom
- 16-bit dimming of master dimmer as well as individual colors for smooth control of fades.
- 7 RGBW LEDs, 25 W each
- Unique lens design for excellent color blending
- Fast, smooth pan and tilt movement
- RDM enabled for remote addressing and trouble shooting
- Selectable LED maximum output to match legacy Rogue R1 Washes
- Selectable PWM settings for camera operation
- 6 distinct dimming modes for advanced control
- Omega mounting bracket, fits all Rogue and Maverick fixtures
- Easy-to-read OLED display with simple, effective menu options
- Simple and complex DMX channel profiles for programming versatility

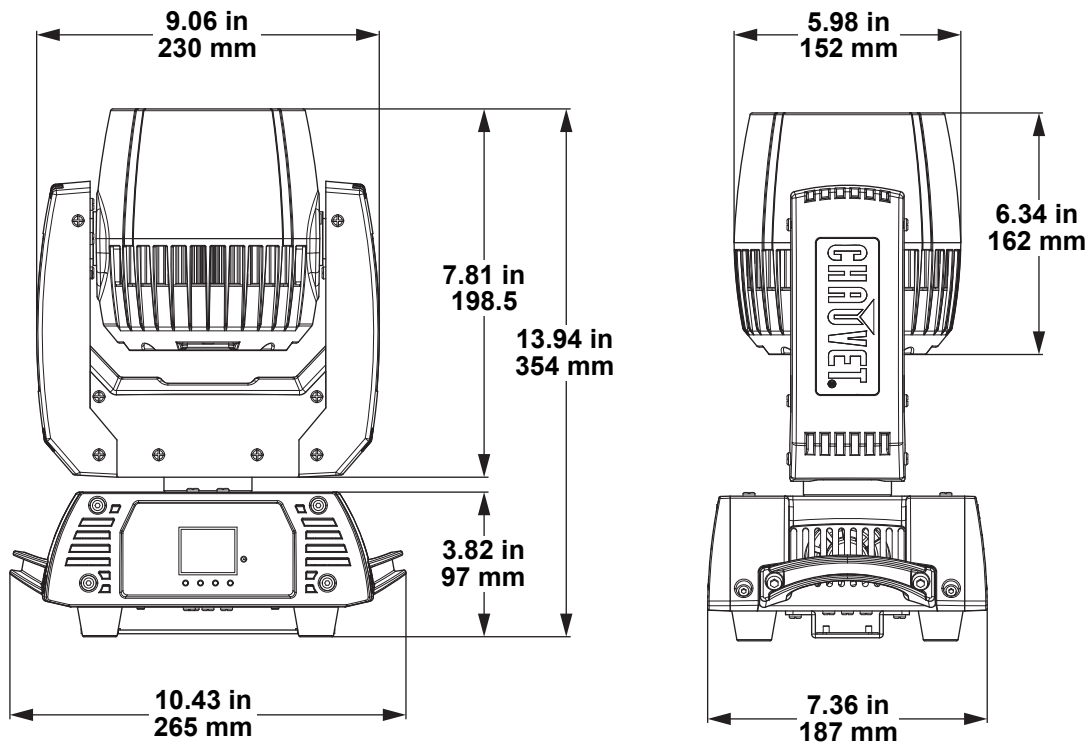
### Product Overview



#	Name	#	Name
1	OLED display	5	3-pin DMX in/out
2	Menu buttons	6	Power in/out
3	Carry handles	7	Fuse holder
4	5-pin DMX in/out		



## Product Dimensions



## 3. Setup

### AC Power

The Rogue R1X Wash 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 Rogue R1X Wash comes with a power input cable terminated with a Neutrik® powerCON® 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

### Fuse Replacement

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

### Power Linking

It is possible to power link Rogue R1X Wash 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
<b>Current Draw</b>	1.6 A	1.33 A	0.738 A	0.66 A	0.629 A

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

### 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 Rogue R1X Wash supports RDM protocol that allows feedback to make changes to menu map options.

### 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

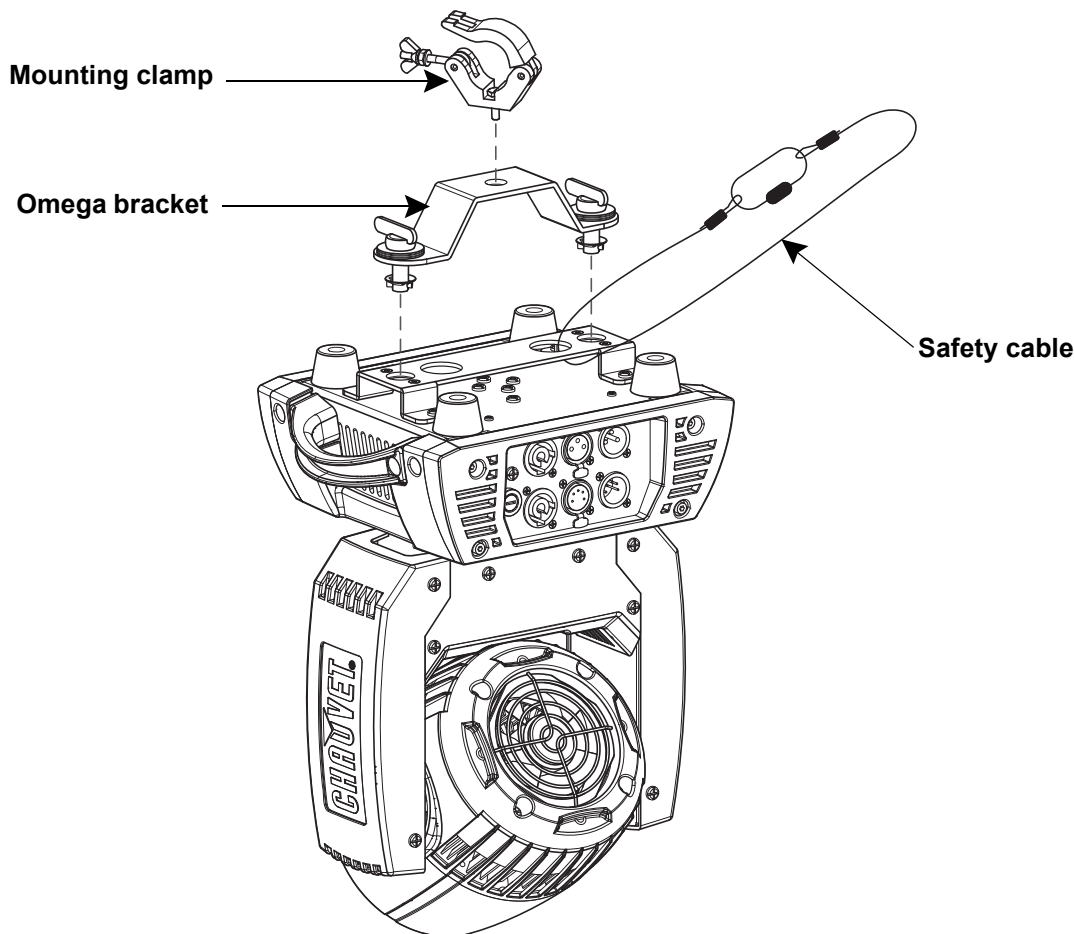
Chauvet recommends using the following general guidelines when mounting this product.

- 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 Rogue R1X Wash comes with an Omega bracket. The user can directly attach a mounting clamp (sold separately) to this Omega bracket. 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



## 4. Operation

### Control Panel Description

Button	Function
<MENU>	Exits from the current menu or function
<UP>	Enables the currently displayed menu or sets the currently selected value in to the current function
<DOWN>	Navigates upward through the menu list or increases the numeric value when in a function
<ENTER>	Navigates downward through the menu list or decreases the numeric value when in a function

### Control Options

Set the Rogue R1X Wash starting address in the 001–512 DMX range. This enables control of up to 24 products in the 21-channel **21CH** personality.

### Programming

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

- To go to the desired main level, press <MENU> repeatedly until the option shows on the display. Press <ENTER> to select. This will take you to the first programming level for that option.
- To select an option or value within the current programming level, press <UP> or <DOWN> until the option shows on the display. Press <ENTER> to select. In this case, if there is another programming level, you will see that first option, or you will see the selected value.
- Press <MENU> repeatedly to exit to the previous main level.

### Menu Map

Refer to the Rogue R1X Wash product page on [www.chauvetprofessional.com](http://www.chauvetprofessional.com) for the latest menu map.

Main Level	Programming Levels		Description
Address	001–512		Sets the starting address
Run Mode	DMX	14CH	Selects the DMX personality
		15CH	
		19CH	
		21CH	
	Auto Test		Auto test all functions
	Manual Test	Pan	Manually control and test all settings through the control panel
		Tilt	
		Dimmer	
		Shutter	
		Red	
		Green	
		Blue	
		White	
		Zoom	
Setup	Pan Reverse	OFF	Normal pan
		ON	Reversed pan
	Tilt Reverse	OFF	Normal tilt
		ON	Reversed tilt
	Pan Angle	540	540° pan range
		360	360° pan range
		180	180° pan range
		230	230° tilt range
	Tilt Angle	180	180° tilt range
		90	90° tilt range

Main Level	Programming Levels				Description
Setup (cont.)	Fans	Auto			Fan speed according to product temperature
		ECO			Quiet mode
		Full			Fan speed set on high
	Display	OFF			Display turns off
		ON			Display stays on
	Screen Rev	OFF			Normal display
		ON			Inverted display
	Dimmer Curve	Linear			Set the dimmer curve
		Square			
		I Squa			
		SCurve			
	Dimmer Speed	Smooth			Smooth dimmer speed
		Fast			Fast dimmer speed
	PWM Option	600Hz			Sets the PWM frequency
		1200Hz			
		2000Hz			
		4000Hz			
		6000Hz			
		15000Hz			
	LED R POWER	050–100			Adjusts LED power levels for matching to legacy Rogue Wash products
	LED G POWER	050–100			
	LED B POWER	050–100			
	LED W POWER	050–100			
	White Mode	On			Calibrates white to 7500K
		Off			Uses maximum output values
		Custom	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
		Color Calibration	On		
Off			Uses maximum output values		
Custom	RED		100–255	Sets red LED maximum value	
	GREEN			Sets green LED maximum value	
	BLUE			Sets blue LED maximum value	
Reset Function	Pan/Tilt	NO		Reset individual functions or all functions from start-up	
		YES			
	Zoom	NO			
		YES			
	All	NO			
		YES			
Factory Set					Reset to factory default settings

Main Level	Programming Levels		Description
Sys Info	System Information	Ver V_	Shows firmware version
		Running Mode ---	Shows current running mode
		DMX Address ---	Shows current starting address
		Temperature ---	Shows current product temperature in °C
		Fixture Time -----	Shows number of hours product has been powered on
		UID: -----	Shows product UID

## DMX Configuration

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

### Control Personalities

To set the control personality:

1. Go to the **Run Mode** main level.
2. Select the **DMX** option.
3. Select the desired personality, from **14CH**, **15CH**, **19CH**, or **21CH**.



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

### Starting Address

Each product will respond to a unique starting address from the controller. All products with the same starting address will respond in unison. To set the starting address:

1. Go to the **Address** main level.
2. Select the starting address (**001–512**).
  - The highest recommended starting address for **14CH** is **499**.
  - The highest recommended starting address for **15CH** is **498**.
  - The highest recommended starting address for **19CH** is **494**.
  - The highest recommended starting address for **21CH** is **492**.

## Control Channel Assignments and Values

### Color Chart

DMX Value	Percent/Setting	Red Value	Green Value	Blue Value	White Value
000 ⇄ 004	No function	000	000	000	000
005 ⇄ 009	Color 1	000	000	000	255
010 ⇄ 014	Color 2	255	235	052	000
015 ⇄ 019	Color 3	214	134	048	000
020 ⇄ 024	Color 4	255	000	044	000
025 ⇄ 029	Color 5	255	059	113	000
030 ⇄ 034	Color 6	255	138	219	000
035 ⇄ 039	Color 7	226	175	226	000
040 ⇄ 044	Color 8	040	001	255	000
045 ⇄ 049	Color 9	000	000	255	000
050 ⇄ 054	Color 10	000	078	255	000
055 ⇄ 059	Color 11	000	199	255	000
060 ⇄ 064	Color 12	000	255	234	000
065 ⇄ 069	Color 13	149	246	255	000
070 ⇄ 074	Color 14	137	255	227	000
075 ⇄ 079	Color 15	213	220	222	000
080 ⇄ 084	Color 16	219	232	175	000
085 ⇄ 089	Color 17	205	255	199	000
090 ⇄ 094	Color 18	115	255	165	000
095 ⇄ 099	Color 19	006	255	143	000
100 ⇄ 104	Color 20	000	255	094	000
105 ⇄ 109	Color 21	029	255	000	000
110 ⇄ 114	Color 22	032	223	000	000
115 ⇄ 119	Color 23	075	255	000	000
120 ⇄ 124	Color 24	080	232	000	000
125 ⇄ 129	Color 25	108	226	000	000
130 ⇄ 134	Color 26	145	194	000	000
135 ⇄ 139	Color 27	210	255	000	000
140 ⇄ 144	Color 28	225	232	000	000
145 ⇄ 149	Color 29	023	215	000	000
150 ⇄ 154	Color 30	247	214	000	000
155 ⇄ 159	Color 31	255	163	000	000
160 ⇄ 164	Color 32	255	152	000	000
165 ⇄ 169	Color 33	255	108	000	000
170 ⇄ 174	Color 34	255	255	255	255
175 ⇄ 179	No function	000	000	000	000
180 ⇄ 201	Color scroll, fast to slow	Various	Various	Various	Various
202 ⇄ 207	Hold	Various	Various	Various	Various
208 ⇄ 229	Reverse color scroll, fast to slow	Various	Various	Various	Various
230 ⇄ 234	No function	000	000	000	000
235 ⇄ 249	Color snap, fast to slow	Various	Various	Various	Various
250 ⇄ 255	No function	000	000	000	000

## 21CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
8	Strobe	000 ⇔ 019	Off
		020 ⇔ 024	On
		025 ⇔ 064	Strobe, fast to slow
		065 ⇔ 069	On
		070 ⇔ 084	Fast on, slow off (fast to slow)
		085 ⇔ 089	On
		090 ⇔ 104	Slow on, fast off (fast to slow)
		105 ⇔ 109	On
		110 ⇔ 124	Random strobe, fast to slow
		125 ⇔ 129	On
		130 ⇔ 144	Random fast on, slow off (fast to slow)
		145 ⇔ 149	On
		150 ⇔ 164	Random slow on, fast off (fast to slow)
		165 ⇔ 169	On
		170 ⇔ 184	Pulse strobe, fast to slow
		184 ⇔ 189	On
		190 ⇔ 204	Random pulse strobe, fast to slow
		205 ⇔ 209	On
		210 ⇔ 224	Slow on, slow off (fast to slow)
		225 ⇔ 229	On
		230 ⇔ 244	Pulse strobe, fast to slow
		245 ⇔ 255	On
9	Red	000 ⇔ 255	0–100%
10	Fine Red	000 ⇔ 255	Fine control (16-bit)
11	Green	000 ⇔ 255	0–100%
12	Fine Green	000 ⇔ 255	Fine control (16-bit)
13	Blue	000 ⇔ 255	0–100%
14	Fine Blue	000 ⇔ 255	Fine control (16-bit)
15	White	000 ⇔ 255	0–100%
16	Fine White	000 ⇔ 255	Fine control (16-bit)
17	Color	000 ⇔ 255	See the <a href="#">Color Chart</a>
18	Zoom	000 ⇔ 255	0–100%



Channel	Function	Value	Percent/Setting
19	Movement Macros	000 ⇔ 007	No function
		008 ⇔ 023	Movement macro 1
		024 ⇔ 039	Movement macro 2
		040 ⇔ 055	Movement macro 3
		056 ⇔ 071	Movement macro 4
		072 ⇔ 087	Movement macro 5
		088 ⇔ 103	Movement macro 6
		104 ⇔ 119	Movement macro 7
		120 ⇔ 135	Movement macro 8
		136 ⇔ 151	Movement macro 9
		152 ⇔ 167	Movement macro 10
		168 ⇔ 183	Movement macro 11
		184 ⇔ 199	Movement macro 12
		200 ⇔ 215	Movement macro 13
		216 ⇔ 231	Movement macro 14
		232 ⇔ 247	Movement macro 15
		248 ⇔ 255	Movement macro 16
20	Movement Macro Speed	000 ⇔ 255	Movement macro speed, fast to slow
21	Control (5 second activation delay)	000 ⇔ 009	No function
		010 ⇔ 014	Blackout during pan/tilt
		015 ⇔ 049	No function
		050 ⇔ 054	Pan reset
		055 ⇔ 059	Tilt reset
		060 ⇔ 064	Zoom reset
		065 ⇔ 069	No function
		070 ⇔ 074	Reset all
		075 ⇔ 079	No function
		080 ⇔ 084	Reverse pan and tilt movement
		085 ⇔ 089	Reverse pan movement
		090 ⇔ 094	Reverse tilt movement
		095 ⇔ 099	Normal pan movement
		100 ⇔ 104	Normal tilt movement
		105 ⇔ 109	Normal pan and tilt movement
		110 ⇔ 119	No function
		120 ⇔ 124	Fan ECO mode
		125 ⇔ 129	Fan full speed
		130 ⇔ 134	Fan auto mode
		135 ⇔ 139	Fast dimmer
		140 ⇔ 144	Smooth dimmer
		145 ⇔ 149	Linear dimmer curve
		150 ⇔ 154	Square dimmer curve
		155 ⇔ 159	Inverse square dimmer curve
		160 ⇔ 164	S-curve dimmer curve
		165 ⇔ 169	White mode on
		170 ⇔ 174	White mode off
		175 ⇔ 255	No function

## 19CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
8	Strobe	000 ⇔ 019	Off
		020 ⇔ 024	On
		025 ⇔ 064	Strobe, fast to slow
		065 ⇔ 069	On
		070 ⇔ 084	Fast on, slow off (fast to slow)
		085 ⇔ 089	On
		090 ⇔ 104	Slow on, fast off (fast to slow)
		105 ⇔ 109	On
		110 ⇔ 124	Random strobe, fast to slow
		125 ⇔ 129	On
		130 ⇔ 144	Random fast on, slow off (fast to slow)
		145 ⇔ 149	On
		150 ⇔ 164	Random slow on, fast off (fast to slow)
		165 ⇔ 169	On
		170 ⇔ 184	Pulse strobe, fast to slow
		184 ⇔ 189	On
		190 ⇔ 204	Random pulse strobe, fast to slow
		205 ⇔ 209	On
		210 ⇔ 224	Slow on, slow off (fast to slow)
		225 ⇔ 229	On
		230 ⇔ 244	Pulse strobe, fast to slow
		245 ⇔ 255	On
9	Red	000 ⇔ 255	0–100%
10	Fine Red	000 ⇔ 255	Fine control (16-bit)
11	Green	000 ⇔ 255	0–100%
12	Fine Green	000 ⇔ 255	Fine control (16-bit)
13	Blue	000 ⇔ 255	0–100%
14	Fine Blue	000 ⇔ 255	Fine control (16-bit)
15	White	000 ⇔ 255	0–100%
16	Fine White	000 ⇔ 255	Fine control (16-bit)
17	Color	000 ⇔ 255	See the <a href="#">Color Chart</a>
18	Zoom	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
19	<b>Control</b> (5 second activation delay)	000 ⇔ 009	No function
		010 ⇔ 014	Blackout during pan/tilt
		015 ⇔ 049	No function
		050 ⇔ 054	Pan reset
		055 ⇔ 059	Tilt reset
		060 ⇔ 064	Zoom reset
		065 ⇔ 069	No function
		070 ⇔ 074	Reset all
		075 ⇔ 079	No function
		080 ⇔ 084	Reverse pan and tilt movement
		085 ⇔ 089	Reverse pan movement
		090 ⇔ 094	Reverse tilt movement
		095 ⇔ 099	Normal pan movement
		100 ⇔ 104	Normal tilt movement
		105 ⇔ 109	Normal pan and tilt movement
		110 ⇔ 119	No function
		120 ⇔ 124	Fan ECO mode
		125 ⇔ 129	Fan full speed
		130 ⇔ 134	Fan auto mode
		135 ⇔ 139	Fast dimmer
		140 ⇔ 144	Smooth dimmer
		145 ⇔ 149	Linear dimmer curve
		150 ⇔ 154	Square dimmer curve
		155 ⇔ 159	Inverse square dimmer curve
		160 ⇔ 164	S-curve dimmer curve
		165 ⇔ 169	White mode on
		170 ⇔ 174	White mode off
		175 ⇔ 255	No function

## 15CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Fine Dimmer	000 ⇔ 255	Fine control (16-bit)
8	Strobe	000 ⇔ 019	Off
		020 ⇔ 024	On
		025 ⇔ 064	Strobe, fast to slow
		065 ⇔ 069	On
		070 ⇔ 084	Fast on, slow off (fast to slow)
		085 ⇔ 089	On
		090 ⇔ 104	Slow on, fast off (fast to slow)
		105 ⇔ 109	On
		110 ⇔ 124	Random strobe, fast to slow
		125 ⇔ 129	On
		130 ⇔ 144	Random fast on, slow off (fast to slow)
		145 ⇔ 149	On
		150 ⇔ 164	Random slow on, fast off (fast to slow)
		165 ⇔ 169	On
		170 ⇔ 184	Pulse strobe, fast to slow
		184 ⇔ 189	On
		190 ⇔ 204	Random pulse strobe, fast to slow
9	Red	205 ⇔ 209	On
		210 ⇔ 224	Slow on, slow off (fast to slow)
		225 ⇔ 229	On
		230 ⇔ 244	Pulse strobe, fast to slow
		245 ⇔ 255	On
10	Green	000 ⇔ 255	0–100%
11	Blue	000 ⇔ 255	0–100%
12	White	000 ⇔ 255	0–100%
13	Color	000 ⇔ 255	See the <a href="#">Color Chart</a>
14	Zoom	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
15	<b>Control</b> (5 second activation delay)	000 ⇔ 009	No function
		010 ⇔ 014	Blackout during pan/tilt
		015 ⇔ 049	No function
		050 ⇔ 054	Pan reset
		055 ⇔ 059	Tilt reset
		060 ⇔ 064	Zoom reset
		065 ⇔ 069	No function
		070 ⇔ 074	Reset all
		075 ⇔ 079	No function
		080 ⇔ 084	Reverse pan and tilt movement
		085 ⇔ 089	Reverse pan movement
		090 ⇔ 094	Reverse tilt movement
		095 ⇔ 099	Normal pan movement
		100 ⇔ 104	Normal tilt movement
		105 ⇔ 109	Normal pan and tilt movement
		110 ⇔ 119	No function
		120 ⇔ 124	Fan ECO mode
		125 ⇔ 129	Fan full speed
		130 ⇔ 134	Fan auto mode
		135 ⇔ 139	Fast dimmer
		140 ⇔ 144	Smooth dimmer
		145 ⇔ 149	Linear dimmer curve
		150 ⇔ 154	Square dimmer curve
		155 ⇔ 159	Inverse square dimmer curve
		160 ⇔ 164	S-curve dimmer curve
		165 ⇔ 169	White mode on
		170 ⇔ 174	White mode off
		175 ⇔ 255	No function

## 14CH

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0–100%
2	Fine Pan	000 ⇔ 255	Fine control (16-bit)
3	Tilt	000 ⇔ 255	0–100%
4	Fine Tilt	000 ⇔ 255	Fine control (16-bit)
5	Pan/Tilt Speed	000 ⇔ 255	Fast to slow
6	Dimmer	000 ⇔ 255	0–100%
7	Strobe	000 ⇔ 019	Off
		020 ⇔ 024	On
		025 ⇔ 064	Strobe, fast to slow
		065 ⇔ 069	On
		070 ⇔ 084	Fast on, slow off (fast to slow)
		085 ⇔ 089	On
		090 ⇔ 104	Slow on, fast off (fast to slow)
		105 ⇔ 109	On
		110 ⇔ 124	Random strobe, fast to slow
		125 ⇔ 129	On
		130 ⇔ 144	Random fast on, slow off (fast to slow)
		145 ⇔ 149	On
		150 ⇔ 164	Random slow on, fast off (fast to slow)
		165 ⇔ 169	On
		170 ⇔ 184	Pulse strobe, fast to slow
		184 ⇔ 189	On
		190 ⇔ 204	Random pulse strobe, fast to slow
		205 ⇔ 209	On
		210 ⇔ 224	Slow on, slow off (fast to slow)
		225 ⇔ 229	On
		230 ⇔ 244	Pulse strobe, fast to slow
		245 ⇔ 255	On
8	Red	000 ⇔ 255	0–100%
9	Green	000 ⇔ 255	0–100%
10	Blue	000 ⇔ 255	0–100%
11	White	000 ⇔ 255	0–100%
12	Color	000 ⇔ 255	See the <a href="#">Color Chart</a>
13	Zoom	000 ⇔ 255	0–100%

Channel	Function	Value	Percent/Setting
14	<b>Control</b> (5 second activation delay)	000 ⇔ 009	No function
		010 ⇔ 014	Blackout during pan/tilt
		015 ⇔ 049	No function
		050 ⇔ 054	Pan reset
		055 ⇔ 059	Tilt reset
		060 ⇔ 064	Zoom reset
		065 ⇔ 069	No function
		070 ⇔ 074	Reset all
		075 ⇔ 079	No function
		080 ⇔ 084	Reverse pan and tilt movement
		085 ⇔ 089	Reverse pan movement
		090 ⇔ 094	Reverse tilt movement
		095 ⇔ 099	Normal pan movement
		100 ⇔ 104	Normal tilt movement
		105 ⇔ 109	Normal pan and tilt movement
		110 ⇔ 119	No function
		120 ⇔ 124	Fan ECO mode
		125 ⇔ 129	Fan full speed
		130 ⇔ 134	Fan auto mode
		135 ⇔ 139	Fast dimmer
		140 ⇔ 144	Smooth dimmer
		145 ⇔ 149	Linear dimmer curve
		150 ⇔ 154	Square dimmer curve
		155 ⇔ 159	Inverse square dimmer curve
		160 ⇔ 164	S-curve dimmer curve
		165 ⇔ 169	White mode on
		170 ⇔ 174	White mode off
		175 ⇔ 255	No function

## **Settings Configuration**

### **Pan Reverse**

To set the orientation of the pan:

1. Go to the **Setup** main level.
2. Select the **Pan Reverse** option.
3. Select from **OFF** (normal pan motion), or **ON** (reversed pan motion).

### **Tilt Reverse**

To set the orientation of the tilt:

1. Go to the **Setup** main level.
2. Select the **Tilt Reverse** option.
3. Select from **OFF** (normal tilt motion), or **ON** (reversed tilt motion).

### **Pan Angle**

To set the maximum angle of the pan:

1. Go to the **Setup** main level.
2. Select the **Pan Angle** option.
3. Select from **540** (540°), **360** (360°), or **180** (180°).

### **Tilt Angle**

To set the maximum angle of the tilt:

1. Go to the **Setup** main level.
2. Select the **Tilt Angle** option.
3. Select from **230** (230°), **180** (180°), or **90** (90°).



## Operation

### Fan Mode

To set the fan speed mode:

1. Go to the **Setup** main level.
2. Select the **Fans** option.
3. Select the fan mode, from **Auto** (fan speed adjusts to product temperature), **ECO** (quiet mode), or **Full** (fan speed at maximum).

### Display Backlight

To set whether an inactive display will turn off:

1. Go to the **Setup** main level.
2. Select the **Display** option.
3. Select **OFF** (turns off when inactive) or **ON** (always on).

### Screen Reverse

To set the orientation of the display:

1. Go to the **Setup** main level.
2. Select the **Screen Rev** option.
3. Select from **OFF** (right-side up) or **ON** (upside-down).

### Dimmer Curve

To set the dimmer curve:

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

### Dimmer Speed

To set the dimmer speed mode:

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

### Pulse-Width Modulation Options

To set the PWM frequency:

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

### LED Power

To adjust the power for each color of LED, so as to match the output to a legacy Rogue Wash product:

1. Go to the **Setup** main level.
2. Select the **LED R POWER** (red), **LED G POWER** (green), **LED B POWER** (blue), or **LED W POWER** (white) option.
3. Increase or decrease the power of the selected color, from **050–100**.



**Match each color of the Rogue R1X Wash one at a time with each individual color of the legacy Rogue Wash product(s). This ensures an equal output and color balance from each product.**

4. Repeat steps 2 and 3 until the output of the Rogue R1X Wash is identical to the output of the legacy Rogue Wash product(s).

### White Mode

To turn the White Mode on or off, or edit the balance of the White Mode:

1. Go to the **Setup** main level.
2. Select the **White Mode** option.
3. Select **On** (to calibrate the color temperature to 7500K), **Off** (to sets all colors to maximum output), or **Custom** (to customize the White Mode).
4. If **Custom** was selected, then select which color to edit, from **RED**, **GREEN**, **BLUE**, or **WHITE**.
5. Increase or decrease the maximum output level of the selected color, from **000–255**.

## Color Calibration

To alter the color calibration settings:

1. Go to the **Setup** main level.
2. Select the **Color Calibration** option.
3. Select the calibration mode, from **On** (Uses factory default settings), **Off** (Sets all colors to maximum output), or **Custom** (To set a custom white balance).
4. If **Custom** was selected, then select which color to edit, from **RED**, **GREEN**, or **BLUE**.
5. Increase or decrease the maximum output level of the selected color, from **100–255**.

## Reset Function

To reset specific functions or the entire product:

1. Go to the **Setup** main level.
2. Select the **Reset Function** option.
3. Select the functions to reset, from **Pan/Tilt**, **Zoom**, or **All**.
4. Select **NO** (to cancel) or **YES** (to reset the selected functions).

## Factory Reset

To reset the product to factory settings:

1. Go to the **Setup** main level.
2. Select the **Factory Set** option.

## Test Mode

### Auto Test

To have the Rogue R1X Wash automatically test all functions one after the other:

1. Go to the **Run Mode** main level.
2. Select the **Auto Test** option.

### Manual Test

To manually test an individual function of the Rogue R1X Wash:

1. Go to the **Run Mode** main level.
2. Select the **Manual Test** option.
3. Select a function to test, from **Pan**, **Tilt**, **Dimmer**, **Shutter**, **Red**, **Green**, **Blue**, **White**, or **Zoom**.
4. Increase or decrease the value of the selected function from **000–255** to test it.

## System Information

The information section of the menu displays statistics and the current status of the product's various functions. To view these information sections:

1. Go to the **Sys Info** main level.
2. Select the **System Information** option.

## Offset Mode

The Offset mode provides fine adjustments for the home position of every moving part in the optical path as well as the pan and tilt movements. To adjust these options and prevent borders showing or reduction of the light output:

1. From the main level screen, press and hold **<MENU>** until the passcode screen appears.
2. Enter the passcode: **2323** and press **<ENTER>**.
3. Select the "zero" position to adjust, from **PAN**, **TILT**, or **Zoom**.
4. Adjust the "zero" position for the selected function from **000–255**.

## Operation

### Error Codes

See the table below for error codes and recommended solutions:

Error Code	Possible Reason	Potential Solution
<b>Lamp Hot</b>	Overheated LED	Do a factory reset
		Update software
		Check connections
		Check fan functions
<b>Thermistor Open</b>	Thermistor open	Do a factory reset
		Update software
		Check connection
		Replace thermistor
<b>Thermistor Short</b>	Thermistor short	Do a factory reset
		Update software
		Check connection
		Replace thermistor

## 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.

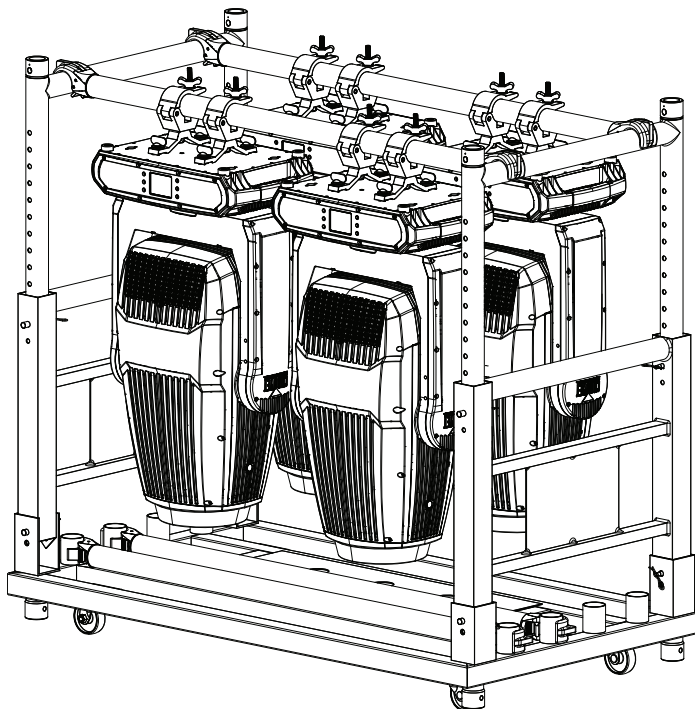


**Always dry the transparent surfaces carefully after cleaning them.**



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

### Transporting on Truss or Racks



**When transporting fixtures in pre-rigged truss and transportation racks, mount fixtures in the vertical position with the lenses facing down and the pan and tilt locks engaged. This is to prevent undue stress on the tilt locks and limit the amount of off-axis bounce on internal components.**

## 6. Technical Specifications

### Dimensions and Weight

Length	Width	Height	Weight
7.36 in (187 mm)	10.43 in (265 mm)	13.94 in (354 mm)	13.6 lb (6.2 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	160 W	157 W	152 W	153 W	153 W
Operating Current	1.6 A	1.33 A	0.738 A	0.660 A	0.629 A
Power linking current (products)	12 A (8 products)	12 A (10 products)	12 A (17 products)	12 A (20 products)	12 A (21 products)
Fuse/Breaker	F 3 A, 250 V	F 3 A, 250 V	F 3 A, 250 V	F 3 A, 250 V	F 3 A, 250 V

Power I/O	U.S./Worldwide	UK/Europe
Power Input Connector	Neutrik® powerCON® A	Neutrik® powerCON® A
Power Output Connector	Neutrik® powerCON® B	Neutrik® powerCON® B
Power Cord plug	Edison (U.S.)	Local Plug

### Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Quad-color RGBW	7	25 W	1.5 A	50,000 hours

### Photometrics

Beam Angle	Field Angle	Zoom Range	Cutoff Angle
7.9° to 35.5°	11.5° to 50.8°	7.9° to 62.7°	19.3° to 62.7°
Illuminance @ 5 m (11°)	Illuminance @ 5 m (50.8°)	Color Temperature Range	
2,872 lux	279 lux	2800 to 10000 K	

### Thermal

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

### DMX

I/O Connector	Channel Range
3 and 5-pin XLR	14, 15, 19 or 21

### Ordering

Product Name	Item Name	Item Code	UPC Number
Rogue R1X Wash	ROGUER1XWASH	08011591	781462219390 _



UL 1573  
CSA C22.2 No. 166  
E113093



## Contact Us

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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](http://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](http://www.chauvetlighting.eu/warranty-registration).