

Quick Start Guide

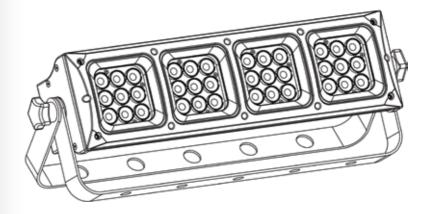




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1. Before you Begin

What is . included

One COLORdashTM Quad

One linking screw

One power cable with plug

One side floor mount

One 6 ft (2 m) power linking cable

One warranty card

One stacking bracket

One Quick Start Guide

About this Guide

This COLORdashTM Quad Quick Start Guide is a condensed version of the COLORdashTM Quad user manual, which users can download from the CHAUVET® Web site (www.chauvetlighting.com).

Unpacking

Immediately upon receiving a fixture, carefully unpack the carton. Check the contents to ensure that all parts are present, and have been received in good condition. If you have detected a problem, refer to the Claims section in the Technical Information chapter of the COLORdash™ Quad user manual for complete instructions on how to make a claim.

Text Conventions

Convention	Meaning	
1~512	A range of values	
50/60	A set of mutually exclusive values in the text	
Claims	A fixture function, a new term, or a section or chapter	
<set></set>	A button to be pressed on the fixture's control panel	
Settings A MODE option		
MODE > Settings	A sequence of MODE options to be followed	
[1~10]	A range of MODE values	
Yes/No	A set of mutually exclusive MODE options	
ON	A value to be entered or selected	

Icons	Icons	Meaning
	<u> </u>	This icon indicates critical installation, configuration or operation information. Failure to comply with this information may render the fixture partially or completely inoperative, damage third-party equipment, or cause harm to the user.
	()	This icon indicates important installation or configuration information. Failure to comply with this information may prevent the fixture from functioning correctly.
		This icon indicates useful, although non-critical information.



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

Safety Notes

Please read the following notes carefully because they include important safety information about the installation, usage and maintenance of this product.



The COLORdash™ Quad has no user serviceable parts inside it. Any reference to servicing this fixture you may find within this guide or the downloaded user manual will only apply to properly CHAUVET® certified technicians. Do not open the housing or attempt any repairs unless you are one of them.



Please refer to all applicable local codes and regulations for proper installation of the $COLORdash^{TM}$ Quad.



Keep this guide and the user manual for future consultation. If you sell the COLORdashTM Quad to another user, make sure that they also receive these documents.

Personal Safety

- · Avoid direct eye exposure to the light source while the fixture is on.
- Always disconnect the COLORdashTM Quad from its power source before servicing.

Mounting and Rigging

- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture.
- Make sure there are no flammable materials close to this product while operating.
- When hanging this fixture, always secure it to a fastening device using a safety chain (not provided).

Power and Wiring

- · Never connect the COLORdashTM Quad to a dimmer pack.
- Make sure this product's housing or cable are not cracked, crimped or damaged.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- Maximum ambient temperature (Ta) is 104° F (40° C). Do not operate the fixture at a higher temperature.
- In case of a serious operating problem, stop using this product immediately!



Expected LED Lifespan

Under normal conditions, the LED's lifespan can be of 40,000 to 50,000 hours. High temperature, like that reached when LEDs are packed in clusters, may reduce this lifespan. To extend the LEDs lifespan expectancy, lower the operational temperature by improving ventilation and reducing the external temperature, as well as limiting the overall projection intensity.

2. Introduction

Fixture at a Glance

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

Features

- 3, 4, 10 or 12 channel DMX 512 LED linear wash light (with ID addressing)
- Operating modes:

3-channel: RGB

4-channel: RGB, dimmer

10-channel: RGB, ID, dimmer, macro, strobe, automatic, custom,

module select

12-channel RGB control of each block

- · RGB color mixing with or without DMX controller
- · 10 built in automated programs via master/slave or DMX
- Program and recall custom programs via master/slave or DMX

Additional Features

- High power, 1 W (350 mA) LEDs
- · Variable fan speed
- · Includes 6.6 ft (2 m) power extension cable
- LCD display with password protection
- Transfer custom programs between fixtures
- Double-bracket yoke doubles as floor stand
- 3 or 5-pin DMX
- Multiple mounting options (linear or array) with included brackets

Options

- COLORadoTM Controller (COLOR-CON)
- Optical systems 15° (CL20X15), 30° (CLENS3009), 25x6° (installed)

Product Overview 3.2 in 3.2 in 3.2 in 3.2 in 80 mm 80 mm 80 mm 80 mm 126 mm 18.5 in 470 mm 7.0 in 180 mm 20.7 in 525 mm **Power In** DMX In CHADVEL 000 **©** • 💆 🖸 **DMX Out** Fan Power In **Control Panel**

3. Setup

AC Power

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

Make sure that you are connecting the COLORdashTM Quad to the proper voltage, as per the specifications in this guide, the product's manual or on the product's sticker.



Always connect the COLORdash $^{\rm TM}$ Quad to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.

To determine the power requirements for the COLORdashTM Quad see the sticker affixed to the product. Alternatively, you may refer to the *Technical Specifications* chart in the *Technical Information* chapter of this guide.

The listed current rating indicates the maximum current draw during normal operation. Please refer to the *Sizing the Circuit Breakers* section in the *Appendix* chapter of the COLORdashTM Quad user manual.



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

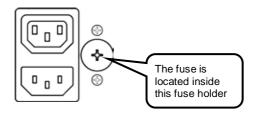


Make sure to disconnect the product's power cord before replacing a blown fuse, and always replace it with a fuse of the same type and rating.

Fuse Replacement

- With a Phillips #2 head screwdriver, unscrew the fuse holder cap from its housing.
- Remove the blown fuse from the fuse holder cap and replace it with a good fuse of the exact same type and rating.
- · Screw the fuse holder cap back in its place and reconnect power.

Fuse Holder Diagram



Power Linking

The COLORdashTM Quad supports power linking for up to 10 other COLORdashTM Quad fixtures at 120 VAC. The COLORdashTM Quad comes with a power input cord and a power linking cord.

Mounting

Read the safety notes at the beginning of this guide and follow their recommendations before mounting this product.

Orientation

You can mount this product in any safe position.

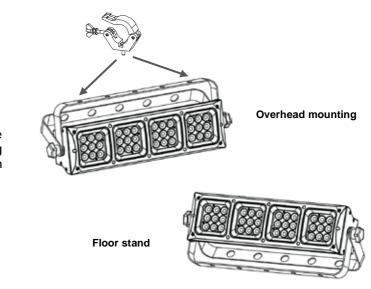
Rigging

CHAUVET® recommends following the general guidelines below when mounting this product.

- When selecting an installation location, consider ease of access to the product for operation, programming adjustments and routine maintenance.
- Always mount this product making sure that there is adequate room around it for ventilation.
- Do not expose this product to extreme temperature changes.
- Maximum ambient temperature (Ta) is 104° F (40° C). Do not operate this product at a higher temperature.
- If mounting this fixture overhead, make sure that the location where
 you are mounting it can support its weight. Please see the *Technical*Specifications section of this guide for the weight requirement of this
 product.

Procedure

This fixture includes a mounting yoke to which you can attach a rigging clamp. You must supply your own "C" or "O" clamp and make sure that the clamp is capable of supporting the weight of this fixture. CHAUVET® recommends using at least two mounting points per fixture.

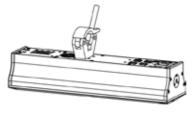


Yoke Mounting Diagram

Clamp Mounting Procedure

Each COLORdashTM Quad has three M10 sockets, one on the back of the unit and one on each side (used for the yoke adjustment knobs). These sockets allow mounting the COLORdashTM Quad by attaching the clamp directly to the housing.

Keep in mind that this way of mounting the $COLORdash^{TM}$ Quad provides limited angle adjustment.



Clamp Mounting Diagrams

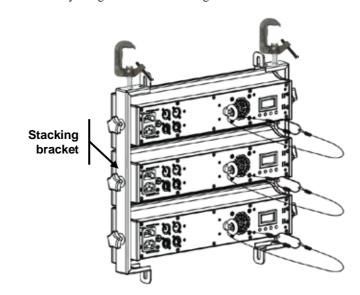
Horizontal Overhead



Vertical Overhead

Vertical Stacking

You may stack vertically up to three COLORdashTM Quad fixtures for a blinder effect by using the included stacking brackets.



Vertical Stacking Diagram



 \bigwedge

When mounting the C COLORdash TM Quad in vertical stack fashion, use a safety loop for each COLORdash TM Batten unit.

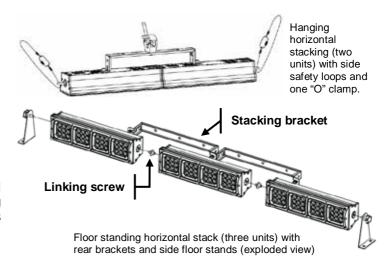
from interfering with the truss.

When mounting the COLORdashTM Quad in vertical stack fashion, always use clamps with long pan bolt to prevent the bracket flanges

Horizontal Stacking You may stack horizontally up to three COLORdashTM Quad fixtures for a strip light effect, useful for runways or cycloramas.

Stacking Procedure

- Remove the yoke that comes with each fixture to make room for the included linking screws.
- In the same location where the bracket attaches, you have to install the linking screws as shown below.
- You may use the included stacking brackets for this configuration, or you could simply attach the clamps directly to each fixture as showed in the previous page.



Horizontal Stacking Diagrams



Floor standing horizontal stack (three units) with rear brackets and side floor stands (assembled)

Lens Replacement

Please refer to the COLORdashTM Quad user manual to learn how to change the product's lenses.

DMX Linking

The COLORdashTM Quad can work with a DMX controller when linked using a regular DMX serial connection.

If you are not familiar with the DMX standard, please download the COLORdashTM Quad user manual and refer to the *DMX Primer* and *DMX Connectivity* sections in the *Appendix* chapter.

DMX Connection

The COLORdashTM Quad uses a regular DMX data connection for its **DMX mode(s) and/or personalities**. Download the COLORdashTM Quad user manual and refer to the *Setup* chapter to learn how to connect this fixture for DMX operation, and the *Operation Instructions* chapter to learn in detail how to configure this fixture for DMX operation.

Master/Slave Connection

The COLORdashTM Quad uses the DMX data connection for its Master/Slave mode. Download the COLORdashTM Quad user manual and refer to the *Setup* chapter to learn how to connect this fixture for Master/Slave operation, and the *Operation Instructions* chapter to learn in detail how to configure this fixture for Master/Slave operation.

COLOR-CON

The COLORdashTM Quad can work with a COLORadoTM Controller (COLOR-CON). In this case, the linking is also through the standard DMX serial connection. Please download the COLOR-CON user manual for a detailed explanation of how to program and use it.

טו Addressing

The COLORdashTM Quad uses the ID Addressing feature to increase the number of addressable fixtures in the same DMX universe. Download the COLORdashTM Quad user manual to learn in detail how to connect this fixture when using ID Addressing.

4. Operation

Control Panel Description

Button	Function		
<mode></mode>	Exits from the current MODE or function		
Enables the currently displayed MODE or sets the currently selected value into the selected function			
<up></up>	Navigates upwards through the MODE list and increases the numeric value when in a function		
<down></down>	Navigates downwards through the MODE list and decreases the numeric value when in a function		

Control Options

You can set the COLORdash™ Quad start address in the 001~512 DMX range. This allows for the control of up to 51 fixtures in the 10-channel STAGE 1 personality. In addition, the ID address system allows you to assign up to 66 fixtures within the same DMX address, thus multiplying the number of fixtures you can control within a single universe. You can access the fixture's ID address system from channel 9 when in the STAGE 1 personality.



To remain within a one-second execution time, you should program no more than 10 fixtures on ID addressing per DMX channel.

Basic Settings

Carry out all the programming procedures indicated below from the control panel. Refer to the *MODE Options* page to learn how the available Mode Options relate to each other. Download the COLORdashTM Quad user manual for more programming instructions.

DMX Personality

- 1) Go to MODE > PERSON and select any DMX personality.
- 2) Make sure to rearrange the DMX addresses of all fixtures in the current DMX universe to avoid address overlapping.

DMX Control Without ID Addressing

- 1) Select the **STAGE 1** personality, as indicated above.
- 2) Go to MODE > RUN and select DMX.
- 3) Go to MODE > DMX and select a starting DMX address (001~512).



The ID Addressing feature is always active in the COLORdashTM Quad. Unintended results may occur if DMX channel 9's value is higher than "0" when in STAGE 1. Make sure to set DMX channel 9 to "0" if using STAGE 1.

DMX Control With ID Addressing

- 1) Repeat steps 1 through 3 from *DMX Control Without ID Addressing*.
- 2) Go to MODE > ID and select an ID address (1~66).
- 3) When in **STAGE 1**, channel 9 controls ID addressing.

Basic Settings (Cont.)

Static Colors

- 1) Go to MODE > STATIC
- 2) Select a color or effect (*Red*, *Green*, *Blue* or *Strobe*)
- 3) Repeat for the other colors
- 4) Select a color value ($000\sim255$) or a strobe frequency ($0\sim20$)

- **Auto Play** 1) Go to MODE > AUTO
 - 2) Select a program (AUTO 01~10 or CUSTOM 01~10)



AUTO 01~10 are fully configured programs and you cannot modify them. However, you can edit CUSTOM 01~10 programs (see Edit Custom).

Edit Custom

- 1) Go to MODE > EDIT
- 2) Select a program (*CUSTOM 01~10*)
- 3) Select a scene (SCENE 01~30)
- 4) Select a color (**Red**, **Green**, or **Blue**)
- 5) Configure the color value ($0\sim255$)
- 6) Repeat steps 4 and 5 for the other colors
- 7) Configure the strobe frequency $(0\sim20)$
- 8) Configure the Step and Fade timers (0~255)
- 9) Repeat steps 4 to 8 for the other scenes

Master/Slave

- 1) On the Master fixture, go to MODE > AUTO
- 2) Select a program (AUTO 01~10 or CUSTOM 01~10)
- 3) On the Slave fixtures, go to MODE > RUN and select **SLAVE**



The master fixture becomes Master when in AUTO mode.

The slave fixtures will follow the program played by the Master.

Fan Setting

- 1) Go to MODE > FANS
- 2) Select a setting (*OFF*, *LOW*, *NORMAL*, *HIGH* or *AUTO*)
- a) When in AUTO, the fan speed automatically changes so the fixture's temperature does not exceed 60° F.



- b) When in the other settings, the fan speed follow the predefine
- c) The fixture's controller will override any manual setting if the internal temperature rises to 60° F.

Basic Settings (Cont.)

Upload Customs

- Set all fixtures that are going to receive the upload to SLAVE operation
- 2) Disconnect the fixtures from the DMX controller
- On the fixture whose custom programs you are going to copy, go to MODE > SET and select Upload
- 4) Enter the password and press **<ENTER>**



- a) When the transfer starts, all the fixtures will display yellow.
- b) If the upload is successful, all the fixtures will show green.
- c) If the upload is unsuccessful, the master and/or slave fixtures will show red.

Password

- 1) Go to MODE > LOCK
- 2) Select a setting (On/Off)



The Password is fixed:

<UP>, <DOWN>, <UP> and <DOWN>

Reset

- 1) Go to MODE > SET > Reset
- 2) Enter the password and press **<ENTER>**
- 3) When *RESET* shows, press **<ENTER>**

MODE Options

Main Level	2 nd Level		3 rd Level	Description		
1. STATIC	Red Green Blue		000~255 (0~100%)	User can combine Red, Green and Blue to generate a custom color.		
	Strobe		00~20 (0~20 Hz)	Select a strobing frequency between 0~20 Hz		
	Auto		1~10	Choose from 10 automatic programs		
2. AUTO	Custom		1~10	Choose from 10 programs that be customized under the Edit Custom MODE option		
3. DMX	Addr		001~512	Sets the DMX starting address		
4. RUN	DMX/Slave		N/A	Sets the operating mode for the fixture: to receive signal from a DMX controller (DMX) or to receive signal from the DMX out of another fixture		
	STAGE 1			10-channel (RGB+D+S+M+B+ID)		
5. PERSON	BLOCK		N/A	11-channel (RGB per block)		
J. PERSON	ARC 1		IN/A	3-channel (RGB)		
	ARC 1 + D			4-channel (RGB + D)		
6. ID	1~66		N/A	Assigns the ID address to a fixture		
7. SET	Upload Reset		Upload		Password	Uploads a fixture's custom program to another fixture (same fixture only)
7. 5E1			Password	Resets the fixture to the default, factory settings		
8. LOCK	On/Off		N/A	Turns the password on or off. If set to On , you will have to enter the password each time you power up the fixture.		
0. EDIT	Custom	Scene	Red (000~255) Green (000~255) Blue (000~255)	User can combine Red, Green and Blue to generate a custom color (0~100%)		
9. EDIT	(1~10)	(01~30)	Strobe (00~20)	Selects the strobing frequency (0~20 Hz)		
			Time (000~255)	Defines the step duration (0~100%)		
			Fade (000~255)	Defines the fade duration (0~100%)		
	OFF			It keeps the fans off. However, if the LEDs reach a temperature > 60°, the fans will start automatically, regardless of the fan setting		
10. FANS	LOW		N/A	Adjusts the fans to the quietest speed		
	NORMAL			Adjusts the fans to the medium speed		
	HIGH			Adjusts the fan s to its fastest speed		
	AUTO			Automatically turns on the fans when needed		

DMX Values

STAGE 1

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ර 255	0~100%
	Red	222 (255	0~100%
2	Step Time	000 Ó 255	When CUS. 01-10 in CH. 8 is activated
	Green		0~100%
3	Step Time	000 ර 255	When CUS. 01-10 in CH. 8 is activated
4	Blue	000 Ó 255	0~100%
5	Color Macro + White Balance	000 d 010 011 d 035 036 d 060 061 d 085 086 d 110 111 d 135 136 d 160 161 d 185 186 d 210 211 d 215 216 d 220 221 d 225 226 d 230 231 d 235 236 d 240 241 d 245 246 d 250 251 d 255	No Function Red 100%/ Green Up/ Blue 0% Red Down/ Green 100%/ Blue 09 Red 0%/ Green 100%/ Blue Up Red 0%/ Green Down/Blue 100% Red Up/ Green 0%/Blue 100% Red 100%/ Green 0%/ Blue Down Red 100%/ Green Up/ Blue Up Red Down/ Green Up/ Blue Up Red Down/ Green Up/ Blue Up Red Down/ Green Down/ Blue 100% White 1: 3,200 K White 2: 3,400 K White 3: 4,200 K White 4: 4,900 K White 5: 5,600 K White 6: 5,900 K White 7: 6,500 K White 8: 7,200 K
6	Strobe	000 Ó 009	No Function
7	Fans, Auto + Custom Programs	010 6 255 000 6 010 011 6 020 021 6 030 031 6 040 041 6 050 051 6 060 061 6 070 071 6 080 081 6 100 101 6 110 111 6 120 121 6 130 131 6 140 141 6 150 151 6 160 161 6 170 171 6 180 181 6 190 191 6 200 201 6 210 221 6 220 231 6 240 251 6 255	O-20 Hz Set to display fan setting Fans OFF (hold for 5 seconds) Fans LOW (hold for 5 seconds) Fans NORMAL (hold for 5 seconds) Fans NORMAL (hold for 5 seconds) Fans AUTO (hold for 5 seconds) Auto 1 Auto 2 Auto 3 Auto 4 Auto 5 Auto 6 Auto 7 Auto 8 Auto 10 Custom 1 Custom 2 Custom 3 Custom 4 Custom 5 Custom 6 Custom 6 Custom 9 Custom 9 Custom 9 Custom 9 Custom 10

STAGE 1	
(Cont.)	

	Channel	Function	Value	Percent/S	Setting			
8 Auto Speed		000 ර 255	0~100% (When u	sing Auto	program	s)	
			Value	Setting	Value	Setting	Value	Setting
-	9	ID Addressing	000 6 009 010 6 019 020 6 029 030 6 039 040 6 059 060 6 069 070 6 079 080 6 089 090 6 099 110 6 119 120 6 129 130 6 139 140 6 149 150 6 159 160 6 189 190 6 199 200 6 209	All IDs ID 1 ID 2 ID 3 ID 4 ID 5 ID 6 ID 7 ID 8 ID 9 ID 10 ID 11 ID 12 ID 13 ID 14 ID 15 ID 16 ID 17 ID 18 ID 19 ID 10 ID 19 ID 10 ID 19 ID 10 ID 19 ID 20	212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232	ID 23 ID 24 ID 25 ID 26 ID 27 ID 28 ID 29 ID 30 ID 31 ID 32 ID 33 ID 34 ID 35 ID 36 ID 37 ID 38 ID 39 ID 39 ID 41 ID 42 ID 41	235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255	ID 46 ID 47 ID 48 ID 50 ID 51 ID 52 ID 53 ID 55 ID 55 ID 56 ID 57 ID 58 ID 59 ID 60 ID 61 ID 62 ID 63 ID 64 ID 65 ID 65 ID 65 ID 65 ID 65 ID 65 ID 65 ID 66
	11	Block	210 211 000 6 010 011 6 021 022 6 032 033 6 043 044 6 054 055 6 065 066 6 076 077 6 087 088 6 098 099 6 109 121 6 131 132 6 142 143 6 153 154 6 164 165 6 175 176 6 186 187 6 197 198 6 208 209 6 219 220 6 230 231 6 241 242 6 255	ID 21 ID 22 Block 1, E Block 2 Block 3 Block 4 Block 3, E Block 4, E Block 1, E Block 2, E Block 1, E	Block 4 Block 2 Block 3 Block 4 Block 3, I Block 4 Block 3 Block 3 Block 2, I Block 2, I	Block 3 Block 4 Block 4		

BLOCK

Channel	Function	Value	Percent/Setting
1	Block 1 Red	000 ර 255	0~100%
2	Block 1 Green	000 ර 255	0~100%
3	Block 1 Blue	000 ර 255	0~100%
4	Block 2 Red	000 Ó 255	0~100%
5	Block 2 Green	000 ර 255	0~100%
6	Block 2 Blue	000 ර 255	0~100%
7	Block 3 Red	000 ර 255	0~100%
8	Block 3 Green	000 ර 255	0~100%
9	Block 3 Blue	000 ර 255	0~100%
10	Block 4 Red	000 Ó 255	0~100%
11	Block 4 Green	000 ර 255	0~100%
12	Block 4 Blue	000 Ó 255	0~100%

ARC 1

Channel		Function	Value	Percent/Setting
	1	Red	000 Ó 255	0~100%
	2	Green	000 ර 255	0~100%
	3	Blue	000 Ó 255	0~100%

ARC 1 + D

	Channel	Function	Value	Percent/Setting
	1	Dimmer	000 Ó 255	0~100%
	2	Red	000 Ó 255	0~100%
	3	Green	000 Ó 255	0~100%
	4	Blue	000 ර 255	0~100%

5. Technical Information

General Maintenance

Download the COLORdash $^{\rm TM}$ Quad user manual and refer to its *Technical Information* chapter for a description on how to troubleshoot and maintain this fixture



Always dry the external optics and glass surfaces carefully after cleaning them.



Never spin a fan using compressed air.

Repairs

Download the COLORdashTM Quad user manual and refer to its *Technical Information* chapter for a description on how to troubleshoot this fixture.



If you need help troubleshooting your fixture, contact CHAUVET® Technical Support.

Returns Procedure

Download the COLORdashTM Quad user manual and refer to its *Technical Information* chapter for a description on how to return this fixture to CHAUVET®.

Claims

Download the COLORdashTM Quad user manual and refer to its *Technical Information* chapter for a description on how to make a claim regarding this fixture if you received it damaged during shipping. For other claims (missing parts, fixture not working, etc., contact CHAUVET® Technical Support.

Contact Us

World Wide

General Information

CHAUVET® 5200 NW 108th Avenue Sunrise, FL 33351 Voice: (954) 929-1115 Fax: (954) 929-5560 Toll free: (800) 762-1084

Technical Support

Voice: (954) 929-1115 (Press 4) Fax: (954) 929-5560 (Attention: Service)

World Wide Web

www.chauvetlighting.com

Creen Thinking

Technical Specifications

Weight & Dimensions
Length
Width
Height
Weight
Power
Auto-ranging internal power supply
Fuse
Power consumption @ 120 V, 60 Hz
Power consumption@ 230 V, 50 Hz
Inrush current
Power Linking:
Light Source
LED 1 W, 350 mA, 36 (12 Red, 12 Green, 12 Blue) 50,000 hrs
PHOTO OPTIC
Luminance @ 2 m (with included 25° x 6° lens assembly)
Beam Angle
Field Angle 46° x 21°
Temperature
Temperature Cooling Fan cooled (50 x 18 mm 24 V fan)
Cooling
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