Approvals & Disclaimer

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The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Chroma-Q products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent. Chroma-Q sole warranty is that the product will meet the Chroma-Q sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

Chroma-Q reserves the right to change or make alteration to devices and their functionality without notice due to ongoing research and development.

The Chroma-Q Studio Force D / V Compact have been designed specifically for the lighting industry. Regular maintenance should be performed to ensure that the products perform well in the entertainment environment.

If you experience any difficulties with any Chroma-Q products please contact your selling dealer. If your selling dealer is unable to help please contact support@chroma-q.com. If the selling dealer is unable to satisfy your servicing needs, please contact the following for full factory service:

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For further information please visit the Chroma-Q website at www.chroma-com.

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Quick Start Guide

Studio Force™
D Compact / V Compact

Chroma-Q®
BRILLIANT SOLUTIONS

For a full product manual please visit www.chroma-q.com

Software version 1.7

1. Overview

The Chroma-Q® Studio Force D Compact™ fixture consists of a single LED engine with 4 circuits of 7 cold white LEDs for a total of 28 cold white LED.

The Chroma-Q®™ Studio Force V Compact™ fixture consists of a single LED engine with 2 circuits of 7 cold white LEDs and 2 circuits of 7 warm white LEDs for a total of 28 LEDs.

DMX control modes, standalone modes and variable effects engine are available via an external 15-way power supply PSU15 and a 5-way power supply PSU-300.

2. Safety

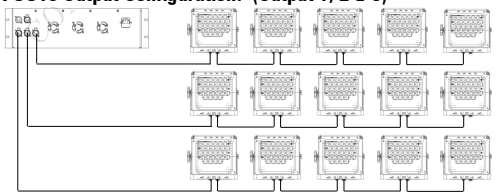
⚠ **Caution**

1. This product is for professional use only. It is NOT intended for domestic or outdoor use.
2. The bright flash of light during power-up and continuous strobe effect may cause epileptic seizure.
3. This product must be used with safety cable.

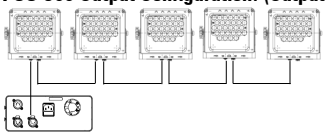
3. Cabling

Connect power and control data from the PSU15 or PSU-300 through the XLR 4-pin cable system. A maximum of 5 daisy-chained Compact fixtures can be connected to a single output of the PSU. The total cable length of each chain must not exceed 60m/ ~200ft, and the cable for each adjacent unit must not exceed 20m.

PSU15 Output Configuration: (Output 1, 2 & 3)



PSU-300 Output Configuration: (Output 1)



4. Mounting

The fixture is equipped with a built-in adjustable mounting bracket for floor, wall and truss mounting applications. The yoke features an added pair of holes for height adjustment. Secure the fixture with a safety bond through the fixing holes of the cast enclosures. (See Studio Force Compact user manual for details.)

5. Orientation & Optical Accessories

The fixture has the "chevron" markings stamped on the front to indicate the side of the fixture that should be adjacent to the wall or cyclorama. (See attached "Installation Guide for details.)

An optional frosted or clear glass lens is included in the package to adjust the light output of the fixtures. An accessory plate is also included to hold and lock in place accessories such as top hats, half top hats, barndoors, egg crate louvres and others. (See attached for details)

6. Control

The Studio Force D / V Compact can be controlled via ANSI E1.11 USITT DMX512-A through the PSU15 and PSU-300 which can be set to operate in the following modes: (Refer to the Studio Force D / V Compact and PSU15 User Manuals for Control Menu details.)

Control Menu:

Home / DMX Address	Sets DMX start address
Control Modes	Operate in various control modes (See following tables)
When DMX is Lost	Set output options when DMX is not detected
Look Store	Internal pre-programmed looks in stand-alone
Wireless	Set wireless control option
System	Switch to Color, Daylight, Varywhite or Phosphor V
Technical	Set frequency and upload LED software
Fan Speed	Set fan speed (PSU15 only)
Reset to Default	Reset to factory settings

Control Mode: System – Daylight

Mode	Display	Group	Ch PSU15	Ch PSU-300	Description
1	Dim4x	Single	60	20	Assigns 1 channel for each LED circuit in every single fixture (4 ch per fixture)
2	Dim1x	Single	15	5	Assigns 1 channel for all LEDs in each single fixture
3	Dim1x	All	1	1	Assigns 1 channel for all LEDs in all fixtures
4	FxDim	All	1	1	Assigns 1 channel for intensity of all LEDs in all fixtures and 1 channel for intensity effects
16	Look sel	All	1	1	Assigns 1 channel to select from the pre-programmed looks in the Look Store
17	Mastr StandAlon				Assigns the unit as the master where standalone options are set
18	Slave StandAlon				Assigns the unit as the slave and follows the control options set on the master unit

Control Mode: System – Varywhite

Mode	Display	Group	Ch PSU15	Ch PSU-300	Description
1	WW/CW	Single	30	10	Assigns 1 channel for Warm White LEDs and 1 channel for Cold White LEDs in every single fixture
2	CTI	Single	30	10	Assigns 1 channel for Color Temperature and 1 channel for Intensity in every single fixture
3	WW/CW	All	2	2	Assigns 2 channels for Warm White and 2 channels for Cold White for all fixtures
4	CTI	All	2	2	Assigns 2 channels for Color Temperature and 2 channels for Cold White for all fixtures
16	Look sel	All	1	1	1 channel to select from the pre-programmed looks in the Look Store
17	Mastr StandAlon				Assigns the unit as the master where standalone options are set
18	Slave StandAlon				Assigns the unit as the slave and follows the control options set on the master unit

Grouping Options:

Grouping options are available for the control of the LEDs in the fixtures:

"Single" grouping allows for the control of the individual LED circuits in every fixture.

"All" grouping allows for the control of all fixtures from all the outputs as one group.

7. Further Information

Please refer to the Chroma-Q Studio Force Compact manual for more detailed information. A copy of the manual can be found at the Chroma-Q website – www.chroma-q.com – under Support.

Studio Force Compact
Optical Accessories Installation Guide

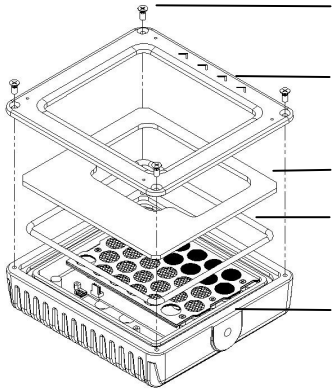
Glass change:

Screws: 4 x M5 flathead screws

Tool: Torque screwdriver with PH #2

Torque: **15 in/lb**

PN: 627-0503



1. Remove the 4 screws
2. Remove the frame
3. Change the glass
4. O-ring must be well placed inside the channel
5. Channel
6. Put back the frame

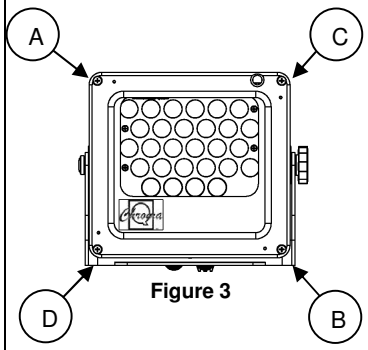
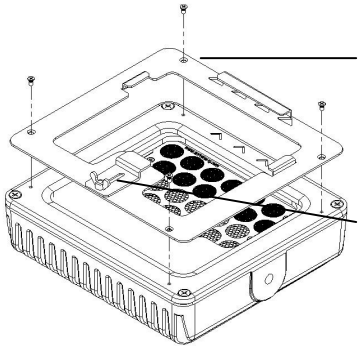


Figure 3

7. Insert halfway the M5 screws in this sequence:
   A – B – C - D. (Fig. 3)
8. Tighten the screws to full torque
   In this sequence: A – B – C – D. (Fig. 3)

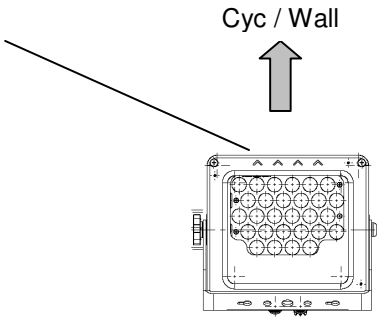
Warning!
Not following the proper procedure and torque requirements will result in a void warranty.

Accessories plate installation:
Screws: 4 x M3 flathead included in package
Tool: Torque screwdriver with PH #1



1. Position the plate to match holes. (Fig. 4)
2. Fasten the plate to the frame.

3. Use the locking plate for adjustments and to fix in place accessories.

Orientation

CHEVRON symbols point to the side that should be adjacent to the cyc or wall.