



Chroma-Q™ Studio Force D Compact



Powerful Daylight White LED Workhorse Fixture

The Chroma-Q™ Studio Force D Compact™ is a powerful 6,100K CCT, daylight white lighting tool that works in perfect harmony with the popular Studio Force range. The Compact is a cost-effective workhorse, specifically designed for TV, film, touring, exhibitions, corporate events and theatre lighting applications. Utilising core LED technology from the Studio Force range, the fixture provides 2,800 lumens in a cost-effective, slim, compact profile, while maintaining colour compatibility with the rest of the range.

Compact Yet Powerful

Despite measuring only 212mm / 8.4" in length, the Studio Force D Compact produces an extreme output of 2,800 lumens – over 60% more white light output than its RGBA colour variant – making it ideal for lighting areas with a very small footprint.

Multi-Purpose Workhorse Fixture

With its rugged external design and IP65 rated casing, the Studio Force D Compact has been designed as a multi-purpose workhorse fixture suitable for numerous entertainment lighting applications - including uplighting, pipe-end shin-busting, backlighting, truss toner and other wash applications.

Fast & Efficient Set-Up

Up to five fixtures can be daisy-chained from each 15-way Compact PSU output, eliminating the need to home-run a cable from each fixture back to the PSU. In addition, up to four fixtures per output can be daisy-chained on a Chroma-Q Color Block PSU (PSU-05B, PSU530).

Cost-Effective Investment

The Studio Force D Compact enables an even wider range of users and budgets to utilise the power of the Studio Force as a creative lighting tool.

Optics & Dimming

The Studio Force D range's camera friendly custom optical design provides a smooth, uniform output, matched by theatrical grade dimming.

Optional City Theatrical Accessories



Egg crate louver



Top hat



Half top hat



Barn door

Full Range Of Accessories

For real versatility and compatibility with existing lighting inventories, the Studio Force D Compact is compatible with City Theatrical top hat, half top hat, egg crate louver and barn door accessories. The accessories also fit other models from the Force Compact range.

The fixture is supplied with a holder for these four optional accessories, as well as interchangeable clear and frosted glass light lenses.

An optional W-DMX wireless accessory for the 15-way PSU is also available.

Full Range Of Creative Tools

Complementing other models in the range, the Studio Force line-up now provides a full choice of creative tools for almost any entertainment application.

Variable white and RGBA colour variants of each model are also available – see the Color Force range.

Other Studio Force D Models



Studio Force V variable white and Color Force RGBA options also available in all models

Key Features

- 6,100K CCT daylight white
- Compact yet powerful – 2,800 lumens from a very small footprint
- IP65 rated*
- Multi-purpose workhorse fixture - suitable for a wide range of applications
- Extremely smooth, uniform wash
- Theatrical grade dimming
- Ideal for TV, film, touring, exhibitions, corporate events and theatre
- Camera-friendly
- Custom optics - ensure a smooth even beam
- Accepts City Theatrical accessories - use with your existing accessories inventory



Studio Force D Compact Technical Specification

Product Code	CHSFCD
Net Dimensions	212mm x 196mm x 152mm / 8.4" x 7.7" x 6"
Net Weight	4 kgs / 8.5 lbs
Shipping Dimensions	267mm x 254mm x 241mm / 10.5" x 10" x 9.5"
Shipping Weight	5.4kgs / 12 lbs
Power & Connections	Daisy-chained power & data connections
Power Supply	External - PSU15
Power Input Rating	48V DC
Power Consumption	60W
Typical Power & Current	Measurements done with all LEDs at max. intensity. Measurements made at nominal voltage. Allow for deviation of +/- 10%

Power Connector In/Out	XLR 4-pin
Data Connectors In/Out	XLR 4-pin
Max Cable Run	~60m / 200ft (PSU to last unit)
Cooling System	Convection
Operating Temperature	0°C to 40°C
Construction	Cast machined aluminium
Colour	Black
Built-In Hardware	Yoke assembly
IP Rating	*IP65
Approvals	CISPR 22:2006/EN55022:2006 & CISPR 24:1997/EN55024:1998, ICES-003:2004, FCC Part 15 Subpart B:2010

Control & Photometric

LEDs Per Engine	1
LEDs Per Engine	28 Cold White
Total LEDs	28
Control Modes (PSU15)	60 channels Dim4x, 15 channels Dim1x, 1 channel Dim1x, 2 channels FxDim, 1 channel Look Select, Master Standalone, Slave Standalone
Dimming Curve	Theatrical
Variable Effects Engine	Yes
Effects Parameters	Intensity effects

Hot Lumen Output (Combined)	2,800 hot lumens @ 6,200K
Optics	Specialised close focus lens
Beam Angle	14° (approx.)
With Optional Frosted Optic	21° (approx.)
Beam Distribution	Asymmetrical direct illumination
CCT	6,200K (+/- 200K)
Colour Gamut	Performance enhanced
CRI	~75 @ 6,200K
Lamp Life	L70 at 50,000 hours

Force Compact 15-Way Power Supply (to suit up to 15 Fixtures)

Product Code	CHCFCPSU15
Net Dimension	412mm x 133mm x 268mm / 16.9" x 5.2" x 10.5"
Net Weight	9.5kg / 21lbs
Power Input Rating	100-120V~, 10A; 200-240V~, 5A; 50-60Hz

Control Protocol	ANSI E1.11 USITT DMX 512-A, Wireless Option
IP Rating	IP20
Approvals	CSA C22. No. 166-M1983: R2008 CAN/CSA-C22.2 No. 60950-1-07 UL 60950-1:2007, EN 60950-1/A1:2010

Accessories

CHCFCTH	***Top Hat For Compact - Black
CHCFCHTH	***Half Top Hat For Compact - Black
CHCFCECL	***Egg Crate Louver For Compact - Black
CHCFCBD	***Barn Door For Compact - Black

CHCFCCL	Clear Glass For Compact (Comes With Fixture)
CHCFCFL	Frosted Glass For Compact (Comes With Fixture)
CHCFCAH	Color Force Accessory Holder (Comes With Fixture)
CHCFCMXOP	W-DMX Wireless Option For PSU-15

*As per IEC60529 ingress protection rating code. ***City Theatrical accessories.

For the latest news and information on the Chroma-Q range, visit www.chroma-q.com