



# Studio Force D 12

## - Extreme Output Daylight White LED Fixture



### Extreme Output

With an extreme output of 6,000 lumens, the Studio Force D 12 offers 2.5 times the white light output of its RGBA colour variant. The Studio Force D 12 can also be used to extend Studio Force D 48 and 72 LED batten installations.

### Multi-purpose

The Studio Force D 12 is suitable for a wide range of lighting applications, including key-lighting, uplighting, backlighting and wash applications.

Optional accessories include cyc and border light lens, lightbank kit, egg crate louver, top hat, half top hat, barn door, spigot adaptor and diffuser box attachment accessories.

### Colour

The Studio Force D range includes ColorSure™ technology for enhanced consistency across each light engine and when using multiple fixtures.

### Key Features

- 6,100K CCT daylight white
- Extreme output - 6,000 lumens
- Extremely smooth, uniform wash
- Theatrical grade dimming
- Ideal for TV, film, touring, exhibitions, corporate events and theatre
- 300mm / 1ft length ideal for floor, wall or truss mounting
- Camera friendly
- PowerCon input and output for easy daisy chaining of fixtures
- Broad range of accessories available, including lightbank kit and barn door
- Flat end plates for seamless wall-washing
- Built-in power supply
- Hidden quick release fixings
- Rugged extruded aluminium body

Utilising the same core technologies as the innovative Chroma-Q™ Color Force™ 12 multi-purpose LED fixture, the new Studio Force™ D 12 is a 6,100K CCT, daylight white version that is specifically designed for TV, film, touring, exhibitions, corporate events and theatre lighting applications. At only 300mm / 1ft long, the unit is ideal for floor, wall or truss mounting. It also provides an extreme output of 6,000 lumens for evenly washing large areas, complemented by smooth, theatrical grade dimming. A choice of batten lengths are also available.



Lightbank kit +

Cyc and border light lens

Diffuser box attachment\*



Egg crate louver

Top hat

Half top hat

Barn door

Spigot adaptor

### Optics & Dimming

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

### Practical & Mechanical

On the outside, the Studio Force D 12 has been designed to provide maximum versatility and ease of use. The built-in power supply, hidden quick release fixings requiring no tools, and PowerCon and 5-pin DMX connections in and out provide fast deployment and simple cable management.

The Studio Force D range also features stand-alone Master and Slave modes for additional usage possibilities, flat end plates for seamless wall-washing and a rugged extruded aluminium body.



Hidden quick release fixings and flat end plates



PowerCon and 5-pin DMX connections in and out

# Technical Specification

## Studio Force D 12 Specifications

<b>Product Code</b>	CHSFD12NF	<b>Data Connectors In/Out</b>	XLR 5-pin
<b>Dimensions**</b>	335mm x 191mm x 218mm / 13.25" x 7.5" x 8.75"	<b>Control Protocol</b>	ANSI E1.11 DMX-512A, XLR5 in / through
<b>Weight</b>	4kgs / 9lbs	<b>Cooling System</b>	Forced - 1 fan
<b>Shipping Dimensions</b>	432mm x 343mm x 279mm / 17" x 13.5" x 11"	<b>Construction</b>	Black anodised aluminium extrusion
<b>Shipping Weight</b>	6kgs / 13lbs	<b>Colour</b>	Black
<b>Power Input Rating</b>	100-240V AC, 50-60 Hz, 160VA, power factor: better than .97	<b>Built-In Hardware</b>	Quick release lever for tilt adjustment
<b>Typical Power &amp; Current</b>	Measurements done with all LEDs at max. intensity. Measurements made at nominal voltage. Allow for a deviation of +/- 10%	<b>IP Rating</b>	IP20
<b>Power Connector In/Out</b>	PowerCon	<b>Approvals</b>	CISPR 22 :2006/EN55022 :2006 & CISPR 24 :1997/EN55024 :1998, ICES-003 :2004 & FCC Part 15 Subpart B: 2007, CSA C22. No. 166-M1983:R2008 UL 1573:2003; UL 8750

\*\*For exact measurements please refer to the line drawings found in the product specification sheets and manuals on [www.chroma-q.com](http://www.chroma-q.com)

## Control & Photometric

<b>LED Engines</b>	2	<b>Effects Parameters</b>	Intensity Effects
<b>LEDs Per Engine</b>	24 Cold White	<b>Hot Lumen Output</b>	White 6,000 hot lumens
<b>Total LEDs</b>	48	<b>Optics</b>	Specialised close focus lens
<b>Control Modes</b>	8 channels Dim8x 2 channels FxDim 2 channels Dim2x 1 channel Dim1x 1 channel Look Select Master Standalone Slave Standalone Manual	<b>Beam Angle</b>	~23°
<b>Dimming Curve</b>	Theatrical	<b>Beam Angle With Optional Cyc Optic</b>	80 x 30° (approx.)
<b>Variable Effects Engine</b>	Yes	<b>Beam Angle With Optional Border Optic</b>	60° (approx.)
		<b>Beam Distribution</b>	Asymmetrical direct illumination
		<b>CCT</b>	6,100K (+/- 200K)
		<b>Colour Gamut</b>	Performance enhanced
		<b>CRI</b>	≥70
		<b>Lamp Life</b>	L70 at 50,000 hours

## Accessories

<b>CHCFCL12</b>	Cyc Lens For Force 12	<b>CHCFBD12</b>	Barn Door For Force 12
<b>CHCFBL12</b>	Border Light Lens For Force 12	<b>CHCFDBX</b>	Diffuser Box For Force 12
<b>CHCFSA12</b>	Spigot Adaptor For Force 12	<b>CHCFLBA12</b>	Lightbank Adaptor (Speedring) For Force 12
<b>CHCFECL12</b>	Egg Crate Louver For Force 12	<b>CHCFLB12</b>	Lightbank For Force 12
<b>CHCFTH12</b>	Top Hat For Force 12	<b>CHCFLBK-K</b>	Lightbank Kit* For Force 12 (consists of Lightbank Adaptor (Speedring) & Lightbank)
<b>CHCFH12</b>	Half Top Hat For Force 12		

\*Barn door and lens shown are sold as separate accessories. Fixture not included

\*The Lightbank Kit consists of the Lightbank Adaptor (Speedring) & Lightbank. Both items can also be purchased separately. Fixture not included

## Studio Force V Range

All three Studio Force D models are also available as Studio Force V 3,000K - 6,100K CCT variable white versions.

For the most up to date product information, news and downloads, please visit [www.chroma-q.com](http://www.chroma-q.com)